APPENDIX B

HRA MODEL OUTPUTS

Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 1585 X: 569973.51 Y: 4215199.79			
T2	T2L3	T4f	0
67.66	10.32	4.52	0.00

MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 1585 X: 569973.51 Y: 4215199.79			
T2	T2L3	T4f	0
5.88E-02	8.97E-03	4.05E-03	0.00E+00

MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Sensitive) - PM 2.5 HARP Rec #: 1585 X: 569973.51 Y: 4215199.79			
T2	T2L3	T4f	0
0.294	0.045	0.020	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 314 X: 570355.74 Y: 4215398.93			
T2	T2L3	T4f	0
0.46	0.07	0.03	0.00

MEI (Worker) - Chronic Hazard Index HARP Rec #: 314 X: 570355.74 Y: 4215398.93			
T2	T2L3	T4f	0
2.26E-02	3.45E-03	1.56E-03	0.00E+00

MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Worker) - PM 2.5 HARP Rec #: 314 X: 570355.74 Y: 4215398.93			
T2	T2L3	T4f	0
0.113	0.017	0.008	0.000

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 285 X: 570282.22 Y: 4215444.01			
T2	T2L3	T4f	0
2.90	0.44	0.19	0.00

MEI (School) - Chronic Hazard Index HARP Rec #: 285 X: 570282.22 Y: 4215444.01			
T2	T2L3	T4f	0
2.81E-02	4.29E-03	1.94E-03	0.00E+00

MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - PM 2.5 HARP Rec #: 285 X: 570282.22 Y: 4215444.01			
T2	T2L3	T4f	0
0.1405	0.0215	0.0097	0.0000

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	569973.51	4215199.79	38.08187492	-122.2021293
Construction	Sensitive	Chronic HI	569973.51	4215199.79	38.08187492	-122.2021293
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	569973.51	4215199.79	38.08187492	-122.2021293
Construction	School	Cancer Risk	570282.22	4215444.01	38.08405186	-122.1985855
Construction	School	Chronic HI	570282.22	4215444.01	38.08405186	-122.1985855
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	570282.22	4215444.01	38.08405186	-122.1985855
Construction	Worker	Cancer Risk	570355.74	4215398.93	38.08363988	-122.1977517
Construction	Worker	Chronic HI	570355.74	4215398.93	38.08363988	-122.1977517
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	570355.74	4215398.93	38.08363988	-122.1977517

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**310**
	Grid 2		
	Grid 3		
	Grid 4		
	Comments	**Receptors on roads or paring lot areas have been removed.**	
Meteorological Dataset			
	Location	**Vallejo**	
	Provided By	**Bay Area AQMD**	
	Years	**2013 - 2017**	
	Elevation (m)	**6**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**Solano**	
	Urban Grouping / Pop	**Y**	**120,749**
	# of Worker Receptors	**2,766**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**26536.4**	
	Ht. of Source (m)	**3.048**	

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**9 - 12**
	Starting Age	**14**
	Age Range	**14 Year Old - 15 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**OEEHA Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**OEEHA Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**

	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		1589	T2L3			T4f		
					6.77E-05			1.03E-05			4.52E-06
					4215199.79						
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	570176.21	4215488.81	1.17E-05	6.12E-06	1.78E-05	1.79E-06	9.31E-07	2.72E-06	8.06E-07	3.83E-07	1.19E-06
2	570192.16	4215484.24	1.32E-05	6.92E-06	2.02E-05	2.02E-06	1.05E-06	3.07E-06	9.12E-07	4.34E-07	1.35E-06
3	570208.67	4215476.96	1.54E-05	8.06E-06	2.35E-05	2.35E-06	1.23E-06	3.58E-06	1.06E-06	5.05E-07	1.57E-06
4	570225.19	4215469.68	1.77E-05	9.28E-06	2.70E-05	2.71E-06	1.41E-06	4.12E-06	1.22E-06	5.81E-07	1.80E-06
5	570241.7	4215462.41	1.96E-05	1.03E-05	2.99E-05	3.00E-06	1.56E-06	4.56E-06	1.35E-06	6.44E-07	2.00E-06
6	570258.22	4215455.13	2.08E-05	1.09E-05	3.18E-05	3.18E-06	1.66E-06	4.84E-06	1.44E-06	6.83E-07	2.12E-06
7	570179.28	4215498.07	1.03E-05	5.41E-06	1.57E-05	1.58E-06	8.23E-07	2.40E-06	7.12E-07	3.39E-07	1.05E-06
8	570161.96	4215500.16	9.33E-06	4.88E-06	1.42E-05	1.43E-06	7.43E-07	2.17E-06	6.43E-07	3.06E-07	9.49E-07
9	570196.19	4215493.39	1.18E-05	6.15E-06	1.79E-05	1.79E-06	9.35E-07	2.73E-06	8.10E-07	3.85E-07	1.20E-06
10	570212.71	4215486.11	1.38E-05	7.21E-06	2.10E-05	2.11E-06	1.10E-06	3.20E-06	9.50E-07	4.52E-07	1.40E-06
11	570229.22	4215478.83	1.59E-05	8.32E-06	2.42E-05	2.43E-06	1.27E-06	3.70E-06	1.10E-06	5.21E-07	1.62E-06
12	570237.48	4215475.19	1.69E-05	8.82E-06	2.57E-05	2.57E-06	1.34E-06	3.91E-06	1.16E-06	5.52E-07	1.71E-06
13	570253.99	4215467.92	1.84E-05	9.63E-06	2.80E-05	2.81E-06	1.46E-06	4.28E-06	1.27E-06	6.03E-07	1.87E-06
14	570183.72	4215507.17	9.34E-06	4.89E-06	1.42E-05	1.43E-06	7.44E-07	2.17E-06	6.44E-07	3.06E-07	9.50E-07
15	570167.23	4215509.17	8.45E-06	4.42E-06	1.29E-05	1.29E-06	6.73E-07	1.96E-06	5.82E-07	2.77E-07	8.59E-07
16	570150.74	4215511.16	7.69E-06	4.02E-06	1.17E-05	1.17E-06	6.12E-07	1.79E-06	5.30E-07	2.52E-07	7.82E-07
17	570200.22	4215502.54	1.06E-05	5.55E-06	1.62E-05	1.62E-06	8.44E-07	2.46E-06	7.31E-07	3.48E-07	1.08E-06
18	570216.74	4215495.26	1.24E-05	6.50E-06	1.89E-05	1.90E-06	9.89E-07	2.89E-06	8.57E-07	4.07E-07	1.26E-06
19	570225	4215491.62	1.34E-05	7.02E-06	2.04E-05	2.05E-06	1.07E-06	3.12E-06	9.25E-07	4.40E-07	1.36E-06
20	570241.51	4215484.35	1.52E-05	7.96E-06	2.32E-05	2.32E-06	1.21E-06	3.53E-06	1.05E-06	4.99E-07	1.55E-06
21	570249.77	4215480.71	1.60E-05	8.37E-06	2.44E-05	2.44E-06	1.27E-06	3.71E-06	1.10E-06	5.24E-07	1.63E-06
22	570266.28	4215473.43	1.72E-05	9.02E-06	2.63E-05	2.63E-06	1.37E-06	4.01E-06	1.19E-06	5.65E-07	1.75E-06
23	570188.06	4215516.29	8.52E-06	4.46E-06	1.30E-05	1.30E-06	6.78E-07	1.98E-06	5.87E-07	2.79E-07	8.67E-07
24	570172.19	4215518.2	7.69E-06	4.02E-06	1.17E-05	1.17E-06	6.12E-07	1.79E-06	5.30E-07	2.52E-07	7.82E-07
25	570156.32	4215520.12	7.04E-06	3.69E-06	1.07E-05	1.08E-06	5.61E-07	1.64E-06	4.85E-07	2.31E-07	7.16E-07
26	570140.45	4215522.04	6.48E-06	3.39E-06	9.87E-06	9.90E-07	5.16E-07	1.51E-06	4.47E-07	2.12E-07	6.59E-07
27	570204.25	4215511.69	9.69E-06	5.07E-06	1.48E-05	1.48E-06	7.71E-07	2.25E-06	6.68E-07	3.18E-07	9.86E-07
28	570220.77	4215504.41	1.13E-05	5.93E-06	1.73E-05	1.73E-06	9.02E-07	2.63E-06	7.81E-07	3.71E-07	1.15E-06
29	570237.29	4215497.14	1.30E-05	6.82E-06	1.99E-05	1.99E-06	1.04E-06	3.03E-06	8.99E-07	4.27E-07	1.33E-06
30	570253.8	4215489.86	1.45E-05	7.60E-06	2.21E-05	2.22E-06	1.16E-06	3.37E-06	1.00E-06	4.76E-07	1.48E-06
31	570262.06	4215486.22	1.52E-05	7.94E-06	2.31E-05	2.32E-06	1.21E-06	3.52E-06	1.05E-06	4.97E-07	1.54E-06
32	570191.37	4215525.53	7.79E-06	4.08E-06	1.19E-05	1.19E-06	6.20E-07	1.81E-06	5.37E-07	2.55E-07	7.92E-07
33	570174.06	4215527.62	6.94E-06	3.63E-06	1.06E-05	1.06E-06	5.52E-07	1.61E-06	4.78E-07	2.27E-07	7.05E-07
34	570156.75	4215529.71	6.33E-06	3.31E-06	9.64E-06	9.67E-07	5.04E-07	1.47E-06	4.36E-07	2.07E-07	6.44E-07
35	570139.43	4215531.8	5.81E-06	3.04E-06	8.86E-06	8.88E-07	4.63E-07	1.35E-06	4.01E-07	1.90E-07	5.91E-07
36	570208.29	4215520.84	8.93E-06	4.67E-06	1.36E-05	1.36E-06	7.10E-07	2.07E-06	6.15E-07	2.92E-07	9.08E-07
37	570216.55	4215517.2	9.64E-06	5.04E-06	1.47E-05	1.47E-06	7.67E-07	2.24E-06	6.64E-07	3.16E-07	9.80E-07
38	570233.06	4215509.93	1.12E-05	5.84E-06	1.70E-05	1.70E-06	8.88E-07	2.59E-06	7.69E-07	3.65E-07	1.13E-06
39	570249.58	4215502.65	1.26E-05	6.60E-06	1.92E-05	1.93E-06	1.00E-06	2.93E-06	8.69E-07	4.13E-07	1.28E-06
40	570266.09	4215495.37	1.39E-05	7.25E-06	2.11E-05	2.12E-06	1.10E-06	3.22E-06	9.55E-07	4.54E-07	1.41E-06
41	570274.35	4215491.73	1.44E-05	7.53E-06	2.19E-05	2.20E-06	1.14E-06	3.34E-06	9.91E-07	4.71E-07	1.46E-06
42	570195.73	4215534.64	7.23E-06	3.78E-06	1.10E-05	1.10E-06	5.75E-07	1.68E-06	4.98E-07	2.37E-07	7.35E-07
43	570179.05	4215536.65	6.49E-06	3.39E-06	9.88E-06	9.90E-07	5.16E-07	1.51E-06	4.47E-07	2.12E-07	6.59E-07
44	570162.38	4215538.66	5.91E-06	3.09E-06	9.00E-06	9.02E-07	4.70E-07	1.37E-06	4.07E-07	1.94E-07	6.01E-07
45	570145.71	4215540.68	5.45E-06	2.85E-06	8.30E-06	8.32E-07	4.34E-07	1.27E-06	3.76E-07	1.79E-07	5.54E-07
46	570212.32	4215529.99	8.24E-06	4.31E-06	1.26E-05	1.26E-06	6.56E-07	1.91E-06	5.68E-07	2.70E-07	8.38E-07
47	570228.84	4215522.72	9.54E-06	4.99E-06	1.45E-05	1.46E-06	7.59E-07	2.22E-06	6.57E-07	3.13E-07	9.70E-07
48	570245.35	4215515.44	1.09E-05	5.71E-06	1.66E-05	1.67E-06	8.69E-07	2.54E-06	7.53E-07	3.58E-07	1.11E-06
49	570261.87	4215508.16	1.22E-05	6.39E-06	1.86E-05	1.86E-06	9.72E-07	2.84E-06	8.41E-07	4.00E-07	1.24E-06
50	570278.38	4215500.88	1.32E-05	6.93E-06	2.02E-05	2.02E-06	1.05E-06	3.08E-06	9.13E-07	4.34E-07	1.35E-06
51	570200.02	4215543.76	6.73E-06	3.52E-06	1.02E-05	1.03E-06	5.35E-07	1.56E-06	4.64E-07	2.20E-07	6.84E-07
52	570183.86	4215545.71	6.08E-06	3.18E-06	9.26E-06	9.28E-07	4.84E-07	1.41E-06	4.19E-07	1.99E-07	6.18E-07
53	570167.7	4215547.66	5.53E-06	2.89E-06	8.42E-06	8.45E-07	4.40E-07	1.28E-06	3.81E-07	1.81E-07	5.62E-07
54	570151.54	4215549.61	5.11E-06	2.68E-06	7.79E-06	7.81E-07	4.07E-07	1.19E-06	3.52E-07	1.67E-07	5.20E-07
55	570135.38	4215551.56	4.75E-06	2.49E-06	7.24E-06	7.26E-07	3.78E-07	1.10E-06	3.27E-07	1.56E-07	4.83E-07
56	570216.35	4215539.14	7.65E-06	4.00E-06	1.17E-05	1.17E-06	6.09E-07	1.78E-06	5.27E-07	2.51E-07	7.78E-07
57	570232.87	4215531.87	8.83E-06	4.62E-06	1.35E-05	1.35E-06	7.03E-07	2.05E-06	6.09E-07	2.89E-07	8.98E-07

58	570241.13	4215528.23	9.44E-06	4.94E-06	1.44E-05	1.44E-06	7.52E-07	2.19E-06	6.51E-07	3.09E-07	9.60E-07
59	570257.64	4215520.95	1.07E-05	5.59E-06	1.63E-05	1.63E-06	8.51E-07	2.48E-06	7.37E-07	3.50E-07	1.09E-06
60	570274.16	4215513.67	1.18E-05	6.17E-06	1.80E-05	1.80E-06	9.38E-07	2.74E-06	8.12E-07	3.86E-07	1.20E-06
61	570203.47	4215552.98	6.25E-06	3.27E-06	9.52E-06	9.54E-07	4.97E-07	1.45E-06	4.31E-07	2.05E-07	6.35E-07
62	570186.16	4215555.07	5.62E-06	2.94E-06	8.56E-06	8.59E-07	4.47E-07	1.31E-06	3.87E-07	1.84E-07	5.72E-07
63	570168.84	4215557.16	5.09E-06	2.66E-06	7.75E-06	7.77E-07	4.05E-07	1.18E-06	3.51E-07	1.67E-07	5.18E-07
64	570151.53	4215559.25	4.69E-06	2.45E-06	7.14E-06	7.16E-07	3.73E-07	1.09E-06	3.23E-07	1.54E-07	4.76E-07
65	570134.22	4215561.34	4.34E-06	2.27E-06	6.61E-06	6.63E-07	3.45E-07	1.01E-06	2.99E-07	1.42E-07	4.41E-07
66	570220.38	4215548.29	7.13E-06	3.73E-06	1.09E-05	1.09E-06	5.67E-07	1.66E-06	4.91E-07	2.34E-07	7.25E-07
67	570228.64	4215544.66	7.67E-06	4.02E-06	1.17E-05	1.17E-06	6.11E-07	1.78E-06	5.29E-07	2.51E-07	7.80E-07
68	570245.16	4215537.38	8.79E-06	4.60E-06	1.34E-05	1.34E-06	7.00E-07	2.04E-06	6.06E-07	2.88E-07	8.94E-07
69	570253.42	4215533.74	9.36E-06	4.90E-06	1.43E-05	1.43E-06	7.45E-07	2.17E-06	6.45E-07	3.07E-07	9.52E-07
70	570269.93	4215526.46	1.04E-05	5.45E-06	1.59E-05	1.59E-06	8.29E-07	2.42E-06	7.18E-07	3.41E-07	1.06E-06
71	570286.45	4215519.18	1.14E-05	5.94E-06	1.73E-05	1.73E-06	9.03E-07	2.64E-06	7.82E-07	3.72E-07	1.15E-06
72	570207.77	4215562.1	5.88E-06	3.08E-06	8.95E-06	8.98E-07	4.68E-07	1.37E-06	4.05E-07	1.93E-07	5.98E-07
73	570190.98	4215564.13	5.31E-06	2.78E-06	8.09E-06	8.11E-07	4.23E-07	1.23E-06	3.66E-07	1.74E-07	5.40E-07
74	570174.19	4215566.15	4.80E-06	2.51E-06	7.32E-06	7.34E-07	3.82E-07	1.12E-06	3.31E-07	1.57E-07	4.88E-07
75	570157.4	4215568.18	4.43E-06	2.32E-06	6.74E-06	6.76E-07	3.52E-07	1.03E-06	3.05E-07	1.45E-07	4.50E-07
76	570140.61	4215570.21	4.11E-06	2.15E-06	6.25E-06	6.27E-07	3.27E-07	9.53E-07	2.83E-07	1.34E-07	4.17E-07
77	570224.42	4215557.45	6.67E-06	3.49E-06	1.02E-05	1.02E-06	5.31E-07	1.55E-06	4.60E-07	2.18E-07	6.78E-07
78	570240.93	4215550.17	7.68E-06	4.02E-06	1.17E-05	1.17E-06	6.11E-07	1.78E-06	5.29E-07	2.51E-07	7.80E-07
79	570257.45	4215542.89	8.72E-06	4.56E-06	1.33E-05	1.33E-06	6.94E-07	2.02E-06	6.01E-07	2.86E-07	8.86E-07
80	570273.96	4215535.61	9.70E-06	5.07E-06	1.48E-05	1.48E-06	7.72E-07	2.25E-06	6.68E-07	3.18E-07	9.86E-07
81	570282.22	4215531.97	1.01E-05	5.31E-06	1.54E-05	1.55E-06	8.07E-07	2.36E-06	6.99E-07	3.32E-07	1.03E-06
82	570211.27	4215571.31	5.52E-06	2.89E-06	8.41E-06	8.43E-07	4.39E-07	1.28E-06	3.80E-07	1.81E-07	5.61E-07
83	570193.44	4215573.47	4.96E-06	2.60E-06	7.56E-06	7.58E-07	3.95E-07	1.15E-06	3.42E-07	1.63E-07	5.04E-07
84	570175.6	4215575.62	4.47E-06	2.34E-06	6.80E-06	6.82E-07	3.55E-07	1.04E-06	3.08E-07	1.46E-07	4.54E-07
85	570157.76	4215577.77	4.09E-06	2.14E-06	6.23E-06	6.25E-07	3.25E-07	9.50E-07	2.82E-07	1.34E-07	4.16E-07
86	570139.92	4215579.93	3.78E-06	1.98E-06	5.76E-06	5.77E-07	3.01E-07	8.78E-07	2.60E-07	1.24E-07	3.84E-07
87	570220.19	4215570.24	5.82E-06	3.05E-06	8.87E-06	8.89E-07	4.63E-07	1.35E-06	4.01E-07	1.91E-07	5.92E-07
88	570236.71	4215562.96	6.70E-06	3.51E-06	1.02E-05	1.02E-06	5.33E-07	1.56E-06	4.62E-07	2.19E-07	6.81E-07
89	570253.22	4215555.68	7.63E-06	3.99E-06	1.16E-05	1.17E-06	6.07E-07	1.77E-06	5.26E-07	2.50E-07	7.76E-07
90	570269.74	4215548.4	8.58E-06	4.49E-06	1.31E-05	1.31E-06	6.83E-07	1.99E-06	5.91E-07	2.81E-07	8.72E-07
91	570286.25	4215541.12	9.45E-06	4.95E-06	1.44E-05	1.44E-06	7.52E-07	2.20E-06	6.51E-07	3.10E-07	9.61E-07
92	570215.57	4215580.43	5.21E-06	2.73E-06	7.94E-06	7.96E-07	4.15E-07	1.21E-06	3.59E-07	1.71E-07	5.30E-07
93	570198.25	4215582.52	4.71E-06	2.46E-06	7.17E-06	7.19E-07	3.75E-07	1.09E-06	3.25E-07	1.54E-07	4.79E-07
94	570180.94	4215584.61	4.26E-06	2.23E-06	6.49E-06	6.51E-07	3.39E-07	9.90E-07	2.94E-07	1.40E-07	4.33E-07
95	570163.63	4215586.7	3.89E-06	2.04E-06	5.93E-06	5.94E-07	3.10E-07	9.04E-07	2.68E-07	1.28E-07	3.96E-07
96	570146.32	4215588.79	3.60E-06	1.88E-06	5.48E-06	5.49E-07	2.86E-07	8.36E-07	2.48E-07	1.18E-07	3.66E-07
97	570129	4215590.88	3.37E-06	1.76E-06	5.13E-06	5.14E-07	2.68E-07	7.82E-07	2.32E-07	1.10E-07	3.42E-07
98	570232.48	4215575.75	5.86E-06	3.06E-06	8.92E-06	8.94E-07	4.66E-07	1.36E-06	4.04E-07	1.92E-07	5.95E-07
99	570249	4215568.47	6.67E-06	3.49E-06	1.02E-05	1.02E-06	5.31E-07	1.55E-06	4.60E-07	2.19E-07	6.78E-07
100	570265.51	4215561.19	7.53E-06	3.94E-06	1.15E-05	1.15E-06	5.99E-07	1.75E-06	5.19E-07	2.47E-07	7.65E-07
101	570282.03	4215553.91	8.39E-06	4.39E-06	1.28E-05	1.28E-06	6.68E-07	1.95E-06	5.78E-07	2.75E-07	8.53E-07
102	570290.29	4215550.28	8.80E-06	4.60E-06	1.34E-05	1.34E-06	7.00E-07	2.04E-06	6.07E-07	2.88E-07	8.95E-07
103	570298.54	4215546.64	9.18E-06	4.80E-06	1.40E-05	1.40E-06	7.31E-07	2.13E-06	6.33E-07	3.01E-07	9.33E-07
104	570219.82	4215589.56	4.91E-06	2.57E-06	7.48E-06	7.50E-07	3.91E-07	1.14E-06	3.38E-07	1.61E-07	4.99E-07
105	570202.95	4215591.59	4.47E-06	2.34E-06	6.80E-06	6.82E-07	3.55E-07	1.04E-06	3.08E-07	1.46E-07	4.54E-07
106	570186.08	4215593.63	4.06E-06	2.12E-06	6.18E-06	6.20E-07	3.23E-07	9.43E-07	2.80E-07	1.33E-07	4.13E-07
107	570169.21	4215595.67	3.71E-06	1.94E-06	5.65E-06	5.66E-07	2.95E-07	8.61E-07	2.55E-07	1.21E-07	3.77E-07
108	570152.35	4215597.7	3.44E-06	1.80E-06	5.23E-06	5.25E-07	2.73E-07	7.98E-07	2.37E-07	1.13E-07	3.49E-07
109	570135.48	4215599.74	3.22E-06	1.68E-06	4.90E-06	4.91E-07	2.56E-07	7.47E-07	2.22E-07	1.05E-07	3.27E-07
110	570236.51	4215584.9	5.44E-06	2.85E-06	8.29E-06	8.31E-07	4.33E-07	1.26E-06	3.75E-07	1.78E-07	5.53E-07
111	570253.03	4215577.62	6.15E-06	3.22E-06	9.37E-06	9.40E-07	4.90E-07	1.43E-06	4.24E-07	2.02E-07	6.26E-07
112	570261.29	4215573.98	6.54E-06	3.42E-06	9.96E-06	9.98E-07	5.20E-07	1.52E-06	4.50E-07	2.14E-07	6.64E-07
113	570277.8	4215566.7	7.35E-06	3.84E-06	1.12E-05	1.12E-06	5.85E-07	1.71E-06	5.06E-07	2.41E-07	7.47E-07
114	570294.32	4215559.43	8.16E-06	4.27E-06	1.24E-05	1.25E-06	6.49E-07	1.90E-06	5.62E-07	2.67E-07	8.30E-07
115	570223.41	4215598.76	4.60E-06	2.40E-06	7.00E-06	7.02E-07	3.66E-07	1.07E-06	3.17E-07	1.51E-07	4.67E-07
116	570205.65	4215600.9	4.19E-06	2.19E-06	6.38E-06	6.40E-07	3.33E-07	9.73E-07	2.89E-07	1.37E-07	4.26E-07
117	570187.9	4215603.05	3.80E-06	1.99E-06	5.79E-06	5.80E-07	3.02E-07	8.83E-07	2.62E-07	1.24E-07	3.86E-07
118	570170.14	4215605.19	3.46E-06	1.81E-06	5.27E-06	5.28E-07	2.75E-07	8.04E-07	2.38E-07	1.13E-07	3.52E-07

119	570161.26	4215606.26	3.33E-06	1.74E-06	5.07E-06	5.08E-07	2.65E-07	7.73E-07	2.29E-07	1.09E-07	3.38E-07
120	570143.5	4215608.41	3.09E-06	1.62E-06	4.71E-06	4.72E-07	2.46E-07	7.18E-07	2.13E-07	1.01E-07	3.14E-07
121	570125.75	4215610.55	2.92E-06	1.53E-06	4.44E-06	4.45E-07	2.32E-07	6.77E-07	2.01E-07	9.55E-08	2.97E-07
122	570232.29	4215597.69	4.77E-06	2.50E-06	7.27E-06	7.29E-07	3.80E-07	1.11E-06	3.29E-07	1.56E-07	4.85E-07
123	570248.8	4215590.41	5.38E-06	2.81E-06	8.19E-06	8.21E-07	4.28E-07	1.25E-06	3.71E-07	1.76E-07	5.47E-07
124	570265.32	4215583.13	5.66E-06	2.96E-06	8.62E-06	8.64E-07	4.50E-07	1.31E-06	3.90E-07	1.85E-07	5.75E-07
125	570281.84	4215575.85	6.80E-06	3.56E-06	1.04E-05	1.04E-06	5.41E-07	1.58E-06	4.68E-07	2.23E-07	6.91E-07
126	570290.09	4215572.22	7.17E-06	3.75E-06	1.09E-05	1.10E-06	5.71E-07	1.67E-06	4.94E-07	2.35E-07	7.29E-07
127	570298.35	4215568.58	7.55E-06	3.95E-06	1.15E-05	1.15E-06	6.01E-07	1.75E-06	5.20E-07	2.47E-07	7.68E-07
128	570227.67	4215607.88	4.30E-06	2.25E-06	6.56E-06	6.57E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.38E-07
129	570210.35	4215609.97	3.98E-06	2.08E-06	6.06E-06	6.07E-07	3.16E-07	9.23E-07	2.74E-07	1.30E-07	4.04E-07
130	570193.04	4215612.07	3.63E-06	1.90E-06	5.53E-06	5.54E-07	2.89E-07	8.43E-07	2.50E-07	1.19E-07	3.69E-07
131	570175.73	4215614.16	3.31E-06	1.73E-06	5.04E-06	5.06E-07	2.64E-07	7.69E-07	2.28E-07	1.08E-07	3.37E-07
132	570158.41	4215616.25	3.07E-06	1.61E-06	4.68E-06	4.69E-07	2.44E-07	7.13E-07	2.12E-07	1.01E-07	3.12E-07
133	570141.1	4215618.34	2.87E-06	1.50E-06	4.37E-06	4.38E-07	2.28E-07	6.67E-07	1.98E-07	9.40E-08	2.92E-07
134	570123.79	4215620.43	2.72E-06	1.42E-06	4.14E-06	4.15E-07	2.16E-07	6.31E-07	1.87E-07	8.91E-08	2.76E-07
135	570244.58	4215603.2	4.74E-06	2.48E-06	7.22E-06	7.24E-07	3.77E-07	1.10E-06	3.27E-07	1.55E-07	4.82E-07
136	570261.1	4215595.92	4.93E-06	2.58E-06	7.50E-06	7.52E-07	3.92E-07	1.14E-06	3.40E-07	1.61E-07	5.01E-07
137	570277.61	4215588.64	5.53E-06	2.89E-06	8.42E-06	8.44E-07	4.40E-07	1.28E-06	3.81E-07	1.81E-07	5.62E-07
138	570294.13	4215581.37	6.26E-06	3.28E-06	9.54E-06	9.57E-07	4.99E-07	1.46E-06	4.32E-07	2.05E-07	6.37E-07
139	570302.38	4215577.73	6.72E-06	3.51E-06	1.02E-05	1.03E-06	5.34E-07	1.56E-06	4.63E-07	2.20E-07	6.83E-07
140	570231.89	4215617.01	4.05E-06	2.12E-06	6.16E-06	6.18E-07	3.22E-07	9.40E-07	2.79E-07	1.33E-07	4.11E-07
141	570214.96	4215619.06	3.77E-06	1.97E-06	5.74E-06	5.76E-07	3.00E-07	8.76E-07	2.60E-07	1.23E-07	3.83E-07
142	570198.03	4215621.1	3.46E-06	1.81E-06	5.27E-06	5.28E-07	2.75E-07	8.03E-07	2.38E-07	1.13E-07	3.52E-07
143	570181.11	4215623.14	3.17E-06	1.66E-06	4.83E-06	4.84E-07	2.52E-07	7.36E-07	2.18E-07	1.04E-07	3.22E-07
144	570164.18	4215625.19	2.93E-06	1.53E-06	4.47E-06	4.48E-07	2.33E-07	6.81E-07	2.02E-07	9.61E-08	2.98E-07
145	570147.25	4215627.23	2.75E-06	1.44E-06	4.18E-06	4.20E-07	2.19E-07	6.38E-07	1.89E-07	9.00E-08	2.79E-07
146	570130.32	4215629.28	2.60E-06	1.36E-06	3.96E-06	3.97E-07	2.07E-07	6.04E-07	1.79E-07	8.52E-08	2.64E-07
147	570248.61	4215612.35	4.15E-06	2.17E-06	6.33E-06	6.34E-07	3.31E-07	9.65E-07	2.86E-07	1.36E-07	4.22E-07
148	570256.87	4215608.71	4.35E-06	2.28E-06	6.63E-06	6.65E-07	3.47E-07	1.01E-06	3.00E-07	1.43E-07	4.43E-07
149	570273.39	4215601.43	4.85E-06	2.54E-06	7.40E-06	7.41E-07	3.86E-07	1.13E-06	3.35E-07	1.59E-07	4.94E-07
150	570289.9	4215594.16	5.45E-06	2.85E-06	8.30E-06	8.32E-07	4.33E-07	1.27E-06	3.75E-07	1.78E-07	5.54E-07
151	570298.16	4215590.52	5.78E-06	3.03E-06	8.81E-06	8.83E-07	4.60E-07	1.34E-06	3.99E-07	1.89E-07	5.88E-07
152	570314.67	4215583.24	6.55E-06	3.43E-06	9.98E-06	1.00E-06	5.22E-07	1.52E-06	4.52E-07	2.15E-07	6.66E-07
153	570235.54	4215626.21	3.81E-06	1.99E-06	5.80E-06	5.82E-07	3.03E-07	8.85E-07	2.63E-07	1.25E-07	3.87E-07
154	570226.69	4215627.28	3.67E-06	1.92E-06	5.60E-06	5.61E-07	2.92E-07	8.53E-07	2.53E-07	1.20E-07	3.74E-07
155	570208.99	4215629.41	3.39E-06	1.77E-06	5.16E-06	5.18E-07	2.70E-07	7.88E-07	2.34E-07	1.11E-07	3.45E-07
156	570191.29	4215631.55	3.10E-06	1.62E-06	4.73E-06	4.74E-07	2.47E-07	7.21E-07	2.14E-07	1.02E-07	3.16E-07
157	570173.6	4215633.69	2.84E-06	1.49E-06	4.33E-06	4.34E-07	2.26E-07	6.61E-07	1.96E-07	9.32E-08	2.89E-07
158	570164.75	4215634.76	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.38E-07	1.89E-07	9.00E-08	2.79E-07
159	570147.05	4215636.89	2.58E-06	1.35E-06	3.92E-06	3.93E-07	2.05E-07	5.98E-07	1.77E-07	8.44E-08	2.62E-07
160	570129.35	4215639.03	2.44E-06	1.28E-06	3.71E-06	3.72E-07	1.94E-07	5.66E-07	1.68E-07	7.99E-08	2.48E-07
161	570252.64	4215621.5	3.90E-06	2.04E-06	5.95E-06	5.96E-07	3.11E-07	9.07E-07	2.69E-07	1.28E-07	3.97E-07
162	570269.16	4215614.22	4.28E-06	2.24E-06	6.52E-06	6.53E-07	3.41E-07	9.94E-07	2.95E-07	1.40E-07	4.35E-07
163	570285.68	4215606.95	4.81E-06	2.52E-06	7.33E-06	7.34E-07	3.83E-07	1.12E-06	3.31E-07	1.58E-07	4.89E-07
164	570302.19	4215599.67	5.43E-06	2.84E-06	8.27E-06	8.29E-07	4.32E-07	1.26E-06	3.74E-07	1.78E-07	5.52E-07
165	570318.71	4215592.39	6.10E-06	3.19E-06	9.30E-06	9.32E-07	4.86E-07	1.42E-06	4.21E-07	2.00E-07	6.21E-07
166	570239.76	4215635.34	3.60E-06	1.89E-06	5.49E-06	5.50E-07	2.87E-07	8.37E-07	2.48E-07	1.18E-07	3.67E-07
167	570222.45	4215637.43	3.36E-06	1.76E-06	5.12E-06	5.13E-07	2.67E-07	7.81E-07	2.32E-07	1.10E-07	3.42E-07
168	570205.14	4215639.52	3.09E-06	1.62E-06	4.71E-06	4.72E-07	2.46E-07	7.18E-07	2.13E-07	1.01E-07	3.14E-07
169	570187.82	4215641.61	2.84E-06	1.49E-06	4.33E-06	4.34E-07	2.26E-07	6.61E-07	1.96E-07	9.32E-08	2.89E-07
170	570170.51	4215643.7	2.63E-06	1.38E-06	4.01E-06	4.02E-07	2.09E-07	6.11E-07	1.81E-07	8.62E-08	2.67E-07
171	570153.2	4215645.79	2.47E-06	1.29E-06	3.77E-06	3.78E-07	1.97E-07	5.74E-07	1.70E-07	8.10E-08	2.51E-07
172	570135.88	4215647.88	2.34E-06	1.22E-06	3.56E-06	3.57E-07	1.86E-07	5.44E-07	1.61E-07	7.67E-08	2.38E-07
173	570118.57	4215649.97	2.23E-06	1.17E-06	3.40E-06	3.41E-07	1.77E-07	5.18E-07	1.54E-07	7.31E-08	2.27E-07
174	570256.68	4215630.65	3.94E-06	2.06E-06	6.01E-06	6.02E-07	3.14E-07	9.16E-07	2.72E-07	1.29E-07	4.01E-07
175	570273.19	4215623.38	4.07E-06	2.13E-06	6.20E-06	6.22E-07	3.24E-07	9.46E-07	2.81E-07	1.33E-07	4.14E-07
176	570281.45	4215619.74	4.29E-06	2.24E-06	6.53E-06	6.54E-07	3.41E-07	9.95E-07	2.95E-07	1.40E-07	4.36E-07
177	570297.97	4215612.46	4.79E-06	2.51E-06	7.30E-06	7.32E-07	3.81E-07	1.11E-06	3.30E-07	1.57E-07	4.87E-07
178	570306.22	4215608.82	5.11E-06	2.67E-06	7.78E-06	7.80E-07	4.06E-07	1.19E-06	3.52E-07	1.67E-07	5.19E-07
179	570314.48	4215605.18	5.42E-06	2.84E-06	8.26E-06	8.28E-07	4.32E-07	1.26E-06	3.74E-07	1.78E-07	5.51E-07

180	570243.96	4215644.47	3.42E-06	1.79E-06	5.20E-06	5.22E-07	2.72E-07	7.94E-07	2.35E-07	1.12E-07	3.47E-07
181	570226.99	4215646.52	3.19E-06	1.67E-06	4.87E-06	4.88E-07	2.54E-07	7.42E-07	2.20E-07	1.05E-07	3.25E-07
182	570210.02	4215648.57	2.95E-06	1.54E-06	4.49E-06	4.50E-07	2.35E-07	6.85E-07	2.03E-07	9.66E-08	3.00E-07
183	570193.04	4215650.62	2.72E-06	1.42E-06	4.15E-06	4.16E-07	2.17E-07	6.32E-07	1.88E-07	8.92E-08	2.77E-07
184	570176.07	4215652.67	2.52E-06	1.32E-06	3.84E-06	3.85E-07	2.01E-07	5.86E-07	1.74E-07	8.26E-08	2.56E-07
185	570159.1	4215654.71	2.37E-06	1.24E-06	3.61E-06	3.62E-07	1.89E-07	5.51E-07	1.64E-07	7.77E-08	2.41E-07
186	570142.12	4215656.76	2.25E-06	1.18E-06	3.42E-06	3.43E-07	1.79E-07	5.22E-07	1.55E-07	7.37E-08	2.29E-07
187	570125.15	4215658.81	2.14E-06	1.12E-06	3.27E-06	3.27E-07	1.71E-07	4.98E-07	1.48E-07	7.02E-08	2.18E-07
188	570260.71	4215639.8	3.73E-06	1.95E-06	5.68E-06	5.69E-07	2.97E-07	8.66E-07	2.57E-07	1.22E-07	3.79E-07
189	570268.97	4215636.17	3.93E-06	2.06E-06	5.99E-06	6.00E-07	3.13E-07	9.13E-07	2.71E-07	1.29E-07	4.00E-07
190	570277.22	4215632.53	3.89E-06	2.04E-06	5.93E-06	5.94E-07	3.10E-07	9.04E-07	2.68E-07	1.28E-07	3.96E-07
191	570293.74	4215625.25	4.30E-06	2.25E-06	6.55E-06	6.57E-07	3.42E-07	9.99E-07	2.96E-07	1.41E-07	4.37E-07
192	570310.26	4215617.97	4.83E-06	2.53E-06	7.35E-06	7.37E-07	3.84E-07	1.12E-06	3.33E-07	1.58E-07	4.91E-07
193	570326.77	4215610.69	5.61E-06	2.94E-06	8.55E-06	8.57E-07	4.47E-07	1.30E-06	3.87E-07	1.84E-07	5.71E-07
194	570247.66	4215653.66	3.24E-06	1.70E-06	4.94E-06	4.95E-07	2.58E-07	7.53E-07	2.23E-07	1.06E-07	3.30E-07
195	570230.01	4215655.79	3.01E-06	1.57E-06	4.59E-06	4.60E-07	2.40E-07	6.99E-07	2.07E-07	9.86E-08	3.06E-07
196	570212.35	4215657.92	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.45E-07	1.91E-07	9.09E-08	2.82E-07
197	570194.7	4215660.05	2.56E-06	1.34E-06	3.91E-06	3.92E-07	2.04E-07	5.96E-07	1.77E-07	8.40E-08	2.61E-07
198	570177.05	4215662.19	2.38E-06	1.24E-06	3.62E-06	3.63E-07	1.89E-07	5.53E-07	1.64E-07	7.79E-08	2.42E-07
199	570159.4	4215664.32	2.24E-06	1.17E-06	3.41E-06	3.42E-07	1.78E-07	5.20E-07	1.54E-07	7.33E-08	2.28E-07
200	570141.74	4215666.45	2.12E-06	1.11E-06	3.23E-06	3.24E-07	1.69E-07	4.93E-07	1.46E-07	6.95E-08	2.16E-07
201	570124.09	4215668.58	2.02E-06	1.06E-06	3.08E-06	3.09E-07	1.61E-07	4.70E-07	1.39E-07	6.63E-08	2.06E-07
202	570264.74	4215648.95	3.53E-06	1.85E-06	5.38E-06	5.39E-07	2.81E-07	8.20E-07	2.43E-07	1.16E-07	3.59E-07
203	570281.26	4215641.68	3.92E-06	2.05E-06	5.97E-06	5.99E-07	3.12E-07	9.11E-07	2.70E-07	1.28E-07	3.99E-07
204	570297.77	4215634.4	4.35E-06	2.27E-06	6.62E-06	6.64E-07	3.46E-07	1.01E-06	2.99E-07	1.42E-07	4.42E-07
205	570314.29	4215627.12	4.80E-06	2.51E-06	7.32E-06	7.33E-07	3.82E-07	1.12E-06	3.31E-07	1.57E-07	4.88E-07
206	570330.8	4215619.84	5.28E-06	2.76E-06	8.04E-06	8.06E-07	4.20E-07	1.23E-06	3.64E-07	1.73E-07	5.36E-07
207	570251.86	4215662.79	3.08E-06	1.61E-06	4.69E-06	4.70E-07	2.45E-07	7.14E-07	2.12E-07	1.01E-07	3.13E-07
208	570234.55	4215664.88	2.86E-06	1.49E-06	4.35E-06	4.36E-07	2.27E-07	6.63E-07	1.97E-07	9.36E-08	2.90E-07
209	570217.23	4215666.97	2.65E-06	1.38E-06	4.03E-06	4.04E-07	2.11E-07	6.15E-07	1.82E-07	8.67E-08	2.69E-07
210	570199.92	4215669.06	2.46E-06	1.28E-06	3.74E-06	3.75E-07	1.95E-07	5.70E-07	1.69E-07	8.04E-08	2.50E-07
211	570182.61	4215671.15	2.29E-06	1.20E-06	3.49E-06	3.49E-07	1.82E-07	5.31E-07	1.58E-07	7.50E-08	2.33E-07
212	570165.29	4215673.24	2.15E-06	1.13E-06	3.28E-06	3.29E-07	1.71E-07	5.00E-07	1.48E-07	7.05E-08	2.19E-07
213	570147.98	4215675.33	2.04E-06	1.07E-06	3.11E-06	3.12E-07	1.63E-07	4.75E-07	1.41E-07	6.70E-08	2.08E-07
214	570130.67	4215677.42	1.95E-06	1.02E-06	2.97E-06	2.98E-07	1.55E-07	4.53E-07	1.34E-07	6.39E-08	1.98E-07
215	570113.36	4215679.51	1.87E-06	9.78E-07	2.85E-06	2.85E-07	1.49E-07	4.34E-07	1.29E-07	6.12E-08	1.90E-07
216	570268.77	4215658.11	3.36E-06	1.76E-06	5.11E-06	5.12E-07	2.67E-07	7.79E-07	2.31E-07	1.10E-07	3.41E-07
217	570277.03	4215654.47	3.53E-06	1.85E-06	5.38E-06	5.39E-07	2.81E-07	8.20E-07	2.43E-07	1.16E-07	3.59E-07
218	570293.55	4215647.19	3.90E-06	2.04E-06	5.95E-06	5.96E-07	3.11E-07	9.07E-07	2.69E-07	1.28E-07	3.97E-07
219	570310.06	4215639.91	4.32E-06	2.26E-06	6.57E-06	6.59E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.39E-07
220	570326.58	4215632.63	4.75E-06	2.48E-06	7.23E-06	7.25E-07	3.78E-07	1.10E-06	3.27E-07	1.56E-07	4.83E-07
221	570256.04	4215671.92	2.91E-06	1.52E-06	4.44E-06	4.45E-07	2.32E-07	6.76E-07	2.01E-07	9.54E-08	2.96E-07
222	570239.03	4215673.98	2.71E-06	1.42E-06	4.13E-06	4.14E-07	2.16E-07	6.29E-07	1.87E-07	8.87E-08	2.75E-07
223	570222.03	4215676.03	2.52E-06	1.32E-06	3.84E-06	3.85E-07	2.01E-07	5.85E-07	1.74E-07	8.26E-08	2.56E-07
224	570205.02	4215678.08	2.35E-06	1.23E-06	3.58E-06	3.59E-07	1.87E-07	5.46E-07	1.62E-07	7.69E-08	2.39E-07
225	570188.01	4215680.14	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.10E-07	1.51E-07	7.20E-08	2.23E-07
226	570171	4215682.19	2.07E-06	1.08E-06	3.15E-06	3.16E-07	1.65E-07	4.80E-07	1.43E-07	6.78E-08	2.10E-07
227	570153.99	4215684.24	1.97E-06	1.03E-06	3.00E-06	3.01E-07	1.57E-07	4.57E-07	1.36E-07	6.45E-08	2.00E-07
228	570136.98	4215686.3	1.88E-06	9.84E-07	2.86E-06	2.87E-07	1.50E-07	4.37E-07	1.30E-07	6.16E-08	1.91E-07
229	570119.97	4215688.35	1.80E-06	9.44E-07	2.75E-06	2.75E-07	1.44E-07	4.19E-07	1.24E-07	5.91E-08	1.83E-07
230	570272.81	4215667.26	3.18E-06	1.66E-06	4.84E-06	4.86E-07	2.53E-07	7.39E-07	2.19E-07	1.04E-07	3.23E-07
231	570281.06	4215663.62	3.35E-06	1.75E-06	5.11E-06	5.12E-07	2.67E-07	7.78E-07	2.31E-07	1.10E-07	3.41E-07
232	570297.58	4215656.34	3.70E-06	1.94E-06	5.64E-06	5.65E-07	2.95E-07	8.60E-07	2.55E-07	1.21E-07	3.76E-07
233	570305.84	4215652.7	3.89E-06	2.03E-06	5.92E-06	5.94E-07	3.09E-07	9.03E-07	2.68E-07	1.27E-07	3.95E-07
234	570314.1	4215649.06	4.08E-06	2.14E-06	6.22E-06	6.23E-07	3.25E-07	9.48E-07	2.81E-07	1.34E-07	4.15E-07
235	570330.61	4215641.78	4.48E-06	2.35E-06	6.83E-06	6.84E-07	3.57E-07	1.04E-06	3.09E-07	1.47E-07	4.56E-07
236	570338.87	4215638.15	4.69E-06	2.45E-06	7.14E-06	7.16E-07	3.73E-07	1.09E-06	3.23E-07	1.54E-07	4.77E-07
237	570259.77	4215681.11	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.38E-07	1.89E-07	9.00E-08	2.79E-07
238	570242.16	4215683.24	2.55E-06	1.33E-06	3.88E-06	3.89E-07	2.03E-07	5.92E-07	1.76E-07	8.35E-08	2.59E-07
239	570224.54	4215685.36	2.37E-06	1.24E-06	3.61E-06	3.62E-07	1.89E-07	5.51E-07	1.63E-07	7.76E-08	2.41E-07
240	570206.92	4215687.49	2.21E-06	1.16E-06	3.37E-06	3.38E-07	1.76E-07	5.14E-07	1.52E-07	7.25E-08	2.25E-07

241	570189.31	4215689.62	2.08E-06	1.09E-06	3.16E-06	3.17E-07	1.65E-07	4.82E-07	1.43E-07	6.80E-08	2.11E-07
242	570171.69	4215691.75	1.96E-06	1.03E-06	2.99E-06	2.99E-07	1.56E-07	4.55E-07	1.35E-07	6.42E-08	1.99E-07
243	570154.07	4215693.87	1.87E-06	9.76E-07	2.84E-06	2.85E-07	1.48E-07	4.33E-07	1.29E-07	6.11E-08	1.90E-07
244	570136.46	4215696	1.78E-06	9.33E-07	2.72E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.84E-08	1.81E-07
245	570118.84	4215698.13	1.71E-06	8.96E-07	2.61E-06	2.61E-07	1.36E-07	3.98E-07	1.18E-07	5.61E-08	1.74E-07
246	570276.84	4215676.41	3.00E-06	1.57E-06	4.58E-06	4.59E-07	2.39E-07	6.98E-07	2.07E-07	9.84E-08	3.06E-07
247	570285.1	4215672.77	3.17E-06	1.66E-06	4.82E-06	4.83E-07	2.52E-07	7.35E-07	2.18E-07	1.04E-07	3.22E-07
248	570293.35	4215669.13	3.33E-06	1.74E-06	5.08E-06	5.09E-07	2.65E-07	7.74E-07	2.30E-07	1.09E-07	3.39E-07
249	570309.87	4215661.85	3.68E-06	1.93E-06	5.61E-06	5.62E-07	2.93E-07	8.56E-07	2.54E-07	1.21E-07	3.74E-07
250	570318.13	4215658.21	3.86E-06	2.02E-06	5.89E-06	5.90E-07	3.08E-07	8.98E-07	2.66E-07	1.27E-07	3.93E-07
251	570334.64	4215650.94	4.23E-06	2.21E-06	6.45E-06	6.46E-07	3.37E-07	9.83E-07	2.92E-07	1.39E-07	4.30E-07
252	570263.96	4215690.24	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.02E-07	1.79E-07	8.49E-08	2.64E-07
253	570246.64	4215692.33	2.41E-06	1.26E-06	3.67E-06	3.68E-07	1.92E-07	5.60E-07	1.66E-07	7.90E-08	2.45E-07
254	570229.33	4215694.42	2.25E-06	1.18E-06	3.42E-06	3.43E-07	1.79E-07	5.22E-07	1.55E-07	7.36E-08	2.29E-07
255	570212.02	4215696.51	2.11E-06	1.10E-06	3.21E-06	3.22E-07	1.68E-07	4.90E-07	1.45E-07	6.91E-08	2.14E-07
256	570194.71	4215698.6	1.99E-06	1.04E-06	3.03E-06	3.04E-07	1.58E-07	4.62E-07	1.37E-07	6.52E-08	2.02E-07
257	570177.39	4215700.69	1.89E-06	9.88E-07	2.88E-06	2.88E-07	1.50E-07	4.39E-07	1.30E-07	6.18E-08	1.92E-07
258	570160.08	4215702.79	1.80E-06	9.41E-07	2.74E-06	2.75E-07	1.43E-07	4.18E-07	1.24E-07	5.89E-08	1.83E-07
259	570142.77	4215704.88	1.72E-06	9.00E-07	2.62E-06	2.63E-07	1.37E-07	3.99E-07	1.19E-07	5.63E-08	1.75E-07
260	570125.45	4215706.97	1.65E-06	8.66E-07	2.52E-06	2.53E-07	1.32E-07	3.84E-07	1.14E-07	5.42E-08	1.68E-07
261	570108.14	4215709.06	1.59E-06	8.34E-07	2.43E-06	2.43E-07	1.27E-07	3.70E-07	1.10E-07	5.22E-08	1.62E-07
262	570280.87	4215685.56	2.83E-06	1.48E-06	4.31E-06	4.32E-07	2.25E-07	6.58E-07	1.95E-07	9.27E-08	2.88E-07
263	570297.39	4215678.28	3.15E-06	1.65E-06	4.79E-06	4.80E-07	2.50E-07	7.31E-07	2.17E-07	1.03E-07	3.20E-07
264	570305.64	4215674.64	3.31E-06	1.73E-06	5.04E-06	5.05E-07	2.63E-07	7.69E-07	2.28E-07	1.08E-07	3.36E-07
265	570322.16	4215667.36	3.65E-06	1.91E-06	5.56E-06	5.57E-07	2.90E-07	8.47E-07	2.51E-07	1.20E-07	3.71E-07
266	570330.42	4215663.73	3.82E-06	2.00E-06	5.82E-06	5.83E-07	3.04E-07	8.87E-07	2.63E-07	1.25E-07	3.88E-07
267	570346.93	4215656.45	4.16E-06	2.18E-06	6.34E-06	6.36E-07	3.31E-07	9.67E-07	2.87E-07	1.36E-07	4.23E-07
268	570267.7	4215699.43	2.44E-06	1.28E-06	3.71E-06	3.72E-07	1.94E-07	5.66E-07	1.68E-07	7.99E-08	2.48E-07
269	570249.81	4215701.59	2.27E-06	1.19E-06	3.45E-06	3.46E-07	1.80E-07	5.27E-07	1.56E-07	7.43E-08	2.31E-07
270	570231.92	4215703.75	2.11E-06	1.11E-06	3.22E-06	3.23E-07	1.68E-07	4.91E-07	1.46E-07	6.92E-08	2.15E-07
271	570222.98	4215704.83	2.05E-06	1.07E-06	3.12E-06	3.13E-07	1.63E-07	4.76E-07	1.41E-07	6.71E-08	2.08E-07
272	570214.03	4215705.91	1.99E-06	1.04E-06	3.03E-06	3.03E-07	1.58E-07	4.62E-07	1.37E-07	6.51E-08	2.02E-07
273	570196.14	4215708.07	1.88E-06	9.86E-07	2.87E-06	2.88E-07	1.50E-07	4.38E-07	1.30E-07	6.17E-08	1.92E-07
274	570178.25	4215710.23	1.80E-06	9.40E-07	2.74E-06	2.74E-07	1.43E-07	4.17E-07	1.24E-07	5.89E-08	1.83E-07
275	570169.31	4215711.31	1.76E-06	9.18E-07	2.67E-06	2.68E-07	1.40E-07	4.08E-07	1.21E-07	5.75E-08	1.78E-07
276	570151.42	4215713.47	1.67E-06	8.76E-07	2.55E-06	2.56E-07	1.33E-07	3.89E-07	1.15E-07	5.49E-08	1.70E-07
277	570133.53	4215715.63	1.61E-06	8.40E-07	2.45E-06	2.45E-07	1.28E-07	3.73E-07	1.11E-07	5.26E-08	1.63E-07
278	570115.63	4215717.79	1.55E-06	8.09E-07	2.36E-06	2.36E-07	1.23E-07	3.59E-07	1.07E-07	5.06E-08	1.57E-07
279	570284.9	4215694.71	2.67E-06	1.40E-06	4.06E-06	4.07E-07	2.12E-07	6.20E-07	1.84E-07	8.74E-08	2.71E-07
280	570293.16	4215691.07	2.81E-06	1.47E-06	4.28E-06	4.29E-07	2.24E-07	6.53E-07	1.94E-07	9.21E-08	2.86E-07
281	570309.68	4215683.79	3.12E-06	1.63E-06	4.75E-06	4.76E-07	2.48E-07	7.25E-07	2.15E-07	1.02E-07	3.17E-07
282	570317.94	4215680.15	3.28E-06	1.72E-06	5.00E-06	5.01E-07	2.61E-07	7.62E-07	2.26E-07	1.08E-07	3.34E-07
283	570334.45	4215672.88	3.60E-06	1.89E-06	5.49E-06	5.50E-07	2.87E-07	8.37E-07	2.48E-07	1.18E-07	3.66E-07
284	570342.71	4215669.24	3.76E-06	1.97E-06	5.73E-06	5.75E-07	3.00E-07	8.74E-07	2.59E-07	1.23E-07	3.83E-07
285	570282.22	4215444.01	2.12E-05	1.11E-05	3.24E-05	3.24E-06	1.69E-06	4.93E-06	1.46E-06	6.96E-07	2.16E-06
286	570275.56	4215450.77	2.07E-05	1.08E-05	3.15E-05	3.16E-06	1.64E-06	4.80E-06	1.42E-06	6.77E-07	2.10E-06
287	570268.91	4215457.52	1.99E-05	1.04E-05	3.03E-05	3.04E-06	1.58E-06	4.62E-06	1.37E-06	6.52E-07	2.02E-06
288	570298.64	4215440.59	2.03E-05	1.06E-05	3.09E-05	3.10E-06	1.61E-06	4.71E-06	1.40E-06	6.64E-07	2.06E-06
289	570292.17	4215447.16	2.00E-05	1.04E-05	3.04E-05	3.05E-06	1.59E-06	4.64E-06	1.38E-06	6.54E-07	2.03E-06
290	570285.7	4215453.73	1.95E-05	1.02E-05	2.97E-05	2.98E-06	1.55E-06	4.54E-06	1.35E-06	6.40E-07	1.99E-06
291	570279.23	4215460.29	1.89E-05	9.91E-06	2.88E-05	2.89E-06	1.51E-06	4.40E-06	1.31E-06	6.20E-07	1.93E-06
292	570272.76	4215466.86	1.82E-05	9.52E-06	2.77E-05	2.78E-06	1.45E-06	4.23E-06	1.25E-06	5.96E-07	1.85E-06
293	570308.28	4215444.05	1.91E-05	1.00E-05	2.91E-05	2.92E-06	1.52E-06	4.44E-06	1.32E-06	6.27E-07	1.94E-06
294	570301.95	4215450.47	1.89E-05	9.87E-06	2.87E-05	2.88E-06	1.50E-06	4.38E-06	1.30E-06	6.18E-07	1.92E-06
295	570295.63	4215456.89	1.85E-05	9.67E-06	2.81E-05	2.82E-06	1.47E-06	4.29E-06	1.27E-06	6.05E-07	1.88E-06
296	570289.3	4215463.31	1.80E-05	9.42E-06	2.74E-05	2.75E-06	1.43E-06	4.18E-06	1.24E-06	5.90E-07	1.83E-06
297	570276.64	4215476.16	1.66E-05	8.68E-06	2.53E-05	2.53E-06	1.32E-06	3.86E-06	1.14E-06	5.44E-07	1.69E-06
298	570322.67	4215442.69	1.82E-05	9.51E-06	2.77E-05	2.77E-06	1.45E-06	4.22E-06	1.25E-06	5.95E-07	1.85E-06
299	570315.77	4215449.7	1.80E-05	9.43E-06	2.75E-05	2.75E-06	1.43E-06	4.19E-06	1.24E-06	5.90E-07	1.83E-06
300	570308.86	4215456.7	1.77E-05	9.29E-06	2.70E-05	2.71E-06	1.41E-06	4.12E-06	1.22E-06	5.81E-07	1.80E-06
301	570301.96	4215463.71	1.73E-05	9.07E-06	2.64E-05	2.65E-06	1.38E-06	4.03E-06	1.19E-06	5.68E-07	1.76E-06

302	570295.06	4215470.71	1.68E-05	8.78E-06	2.56E-05	2.56E-06	1.34E-06	3.90E-06	1.16E-06	5.50E-07	1.71E-06
303	570288.15	4215477.72	1.61E-05	8.42E-06	2.45E-05	2.46E-06	1.28E-06	3.74E-06	1.11E-06	5.27E-07	1.64E-06
304	570281.25	4215484.73	1.53E-05	8.00E-06	2.33E-05	2.33E-06	1.22E-06	3.55E-06	1.05E-06	5.01E-07	1.55E-06
305	570338.95	4215439.41	1.70E-05	8.90E-06	2.59E-05	2.60E-06	1.35E-06	3.95E-06	1.17E-06	5.57E-07	1.73E-06
306	570332.22	4215446.24	1.71E-05	8.96E-06	2.61E-05	2.61E-06	1.36E-06	3.98E-06	1.18E-06	5.61E-07	1.74E-06
307	570325.49	4215453.07	1.71E-05	8.93E-06	2.60E-05	2.61E-06	1.36E-06	3.97E-06	1.18E-06	5.59E-07	1.74E-06
308	570318.76	4215459.9	1.69E-05	8.82E-06	2.57E-05	2.57E-06	1.34E-06	3.92E-06	1.16E-06	5.52E-07	1.71E-06
309	570312.03	4215466.73	1.65E-05	8.65E-06	2.52E-05	2.52E-06	1.32E-06	3.84E-06	1.14E-06	5.41E-07	1.68E-06
310	570305.3	4215473.56	1.61E-05	8.41E-06	2.45E-05	2.46E-06	1.28E-06	3.74E-06	1.11E-06	5.27E-07	1.64E-06
311	570298.57	4215480.39	1.55E-05	8.11E-06	2.36E-05	2.37E-06	1.23E-06	3.60E-06	1.07E-06	5.08E-07	1.58E-06
312	570291.84	4215487.22	1.48E-05	7.75E-06	2.26E-05	2.26E-06	1.18E-06	3.44E-06	1.02E-06	4.85E-07	1.51E-06
313	570285.11	4215494.05	1.41E-05	7.35E-06	2.14E-05	2.15E-06	1.12E-06	3.26E-06	9.68E-07	4.60E-07	1.43E-06
314	570355.74	4215398.93	1.71E-05	8.94E-06	2.60E-05	2.61E-06	1.36E-06	3.97E-06	1.18E-06	5.60E-07	1.74E-06
315	570355.53	4215408.32	1.68E-05	8.77E-06	2.55E-05	2.56E-06	1.33E-06	3.89E-06	1.15E-06	5.49E-07	1.70E-06
316	570355.32	4215417.7	1.65E-05	8.63E-06	2.51E-05	2.52E-06	1.31E-06	3.83E-06	1.14E-06	5.40E-07	1.68E-06
317	570348.3	4215443.16	1.61E-05	8.41E-06	2.45E-05	2.45E-06	1.28E-06	3.73E-06	1.11E-06	5.26E-07	1.63E-06
318	570341.72	4215449.85	1.62E-05	8.47E-06	2.47E-05	2.47E-06	1.29E-06	3.76E-06	1.12E-06	5.30E-07	1.65E-06
319	570335.13	4215456.54	1.62E-05	8.47E-06	2.47E-05	2.47E-06	1.29E-06	3.76E-06	1.12E-06	5.30E-07	1.65E-06
320	570328.54	4215463.22	1.60E-05	8.39E-06	2.44E-05	2.45E-06	1.28E-06	3.73E-06	1.11E-06	5.25E-07	1.63E-06
321	570321.95	4215469.91	1.58E-05	8.25E-06	2.40E-05	2.41E-06	1.25E-06	3.66E-06	1.09E-06	5.17E-07	1.60E-06
322	570315.36	4215476.6	1.54E-05	8.06E-06	2.35E-05	2.35E-06	1.23E-06	3.58E-06	1.06E-06	5.05E-07	1.57E-06
323	570308.77	4215483.28	1.49E-05	7.81E-06	2.28E-05	2.28E-06	1.19E-06	3.47E-06	1.03E-06	4.89E-07	1.52E-06
324	570302.18	4215489.97	1.44E-05	7.51E-06	2.19E-05	2.19E-06	1.14E-06	3.33E-06	9.89E-07	4.70E-07	1.46E-06
325	570295.59	4215496.66	1.37E-05	7.16E-06	2.08E-05	2.09E-06	1.09E-06	3.18E-06	9.43E-07	4.48E-07	1.39E-06
326	570289	4215503.35	1.30E-05	6.79E-06	1.98E-05	1.98E-06	1.03E-06	3.02E-06	8.95E-07	4.25E-07	1.32E-06
327	570365.14	4215394.28	1.63E-05	8.55E-06	2.49E-05	2.50E-06	1.30E-06	3.80E-06	1.13E-06	5.35E-07	1.66E-06
328	570364.93	4215403.5	1.61E-05	8.41E-06	2.45E-05	2.45E-06	1.28E-06	3.73E-06	1.11E-06	5.27E-07	1.63E-06
329	570364.73	4215412.72	1.58E-05	8.29E-06	2.41E-05	2.42E-06	1.26E-06	3.68E-06	1.09E-06	5.19E-07	1.61E-06
330	570357.63	4215446.94	1.52E-05	7.97E-06	2.32E-05	2.33E-06	1.21E-06	3.54E-06	1.05E-06	4.99E-07	1.55E-06
331	570351.16	4215453.51	1.54E-05	8.05E-06	2.34E-05	2.35E-06	1.22E-06	3.57E-06	1.06E-06	5.04E-07	1.56E-06
332	570344.69	4215460.07	1.54E-05	8.06E-06	2.35E-05	2.35E-06	1.23E-06	3.58E-06	1.06E-06	5.05E-07	1.57E-06
333	570338.22	4215466.64	1.53E-05	8.01E-06	2.33E-05	2.34E-06	1.22E-06	3.56E-06	1.06E-06	5.02E-07	1.56E-06
334	570331.75	4215473.21	1.51E-05	7.90E-06	2.30E-05	2.30E-06	1.20E-06	3.51E-06	1.04E-06	4.94E-07	1.53E-06
335	570325.27	4215479.78	1.48E-05	7.73E-06	2.25E-05	2.26E-06	1.18E-06	3.43E-06	1.02E-06	4.84E-07	1.50E-06
336	570318.8	4215486.35	1.44E-05	7.52E-06	2.19E-05	2.20E-06	1.14E-06	3.34E-06	9.91E-07	4.71E-07	1.46E-06
337	570312.33	4215492.91	1.39E-05	7.27E-06	2.12E-05	2.12E-06	1.11E-06	3.23E-06	9.57E-07	4.55E-07	1.41E-06
338	570305.86	4215499.48	1.33E-05	6.97E-06	2.03E-05	2.03E-06	1.06E-06	3.09E-06	9.18E-07	4.36E-07	1.35E-06
339	570299.39	4215506.05	1.27E-05	6.64E-06	1.93E-05	1.94E-06	1.01E-06	2.95E-06	8.75E-07	4.16E-07	1.29E-06
340	570292.92	4215512.62	1.20E-05	6.30E-06	1.83E-05	1.84E-06	9.58E-07	2.79E-06	8.29E-07	3.94E-07	1.22E-06
341	570374.42	4215395.11	1.55E-05	8.11E-06	2.36E-05	2.37E-06	1.23E-06	3.60E-06	1.07E-06	5.08E-07	1.58E-06
342	570374.2	4215404.94	1.53E-05	7.98E-06	2.32E-05	2.33E-06	1.21E-06	3.54E-06	1.05E-06	5.00E-07	1.55E-06
343	570373.98	4215414.77	1.51E-05	7.88E-06	2.29E-05	2.30E-06	1.20E-06	3.50E-06	1.04E-06	4.93E-07	1.53E-06
344	570366.41	4215451.27	1.45E-05	7.59E-06	2.21E-05	2.21E-06	1.15E-06	3.37E-06	9.99E-07	4.75E-07	1.47E-06
345	570359.51	4215458.28	1.47E-05	7.67E-06	2.23E-05	2.24E-06	1.17E-06	3.40E-06	1.01E-06	4.80E-07	1.49E-06
346	570352.6	4215465.29	1.47E-05	7.70E-06	2.24E-05	2.25E-06	1.17E-06	3.42E-06	1.01E-06	4.82E-07	1.50E-06
347	570345.7	4215472.29	1.46E-05	7.63E-06	2.22E-05	2.23E-06	1.16E-06	3.39E-06	1.01E-06	4.78E-07	1.48E-06
348	570338.8	4215479.3	1.44E-05	7.51E-06	2.19E-05	2.19E-06	1.14E-06	3.34E-06	9.90E-07	4.70E-07	1.46E-06
349	570331.9	4215486.3	1.40E-05	7.34E-06	2.14E-05	2.14E-06	1.12E-06	3.26E-06	9.67E-07	4.60E-07	1.43E-06
350	570324.99	4215493.31	1.36E-05	7.13E-06	2.07E-05	2.08E-06	1.08E-06	3.16E-06	9.39E-07	4.46E-07	1.38E-06
351	570318.09	4215500.31	1.31E-05	6.86E-06	2.00E-05	2.00E-06	1.04E-06	3.04E-06	9.03E-07	4.29E-07	1.33E-06
352	570311.19	4215507.32	1.25E-05	6.55E-06	1.91E-05	1.91E-06	9.96E-07	2.91E-06	8.63E-07	4.10E-07	1.27E-06
353	570304.28	4215514.32	1.19E-05	6.22E-06	1.81E-05	1.82E-06	9.46E-07	2.76E-06	8.19E-07	3.89E-07	1.21E-06
354	570297.38	4215521.33	1.12E-05	5.87E-06	1.71E-05	1.71E-06	8.93E-07	2.61E-06	7.73E-07	3.68E-07	1.14E-06
355	570383.83	4215390.31	1.48E-05	7.75E-06	2.26E-05	2.26E-06	1.18E-06	3.44E-06	1.02E-06	4.85E-07	1.51E-06
356	570383.61	4215399.95	1.46E-05	7.66E-06	2.23E-05	2.24E-06	1.17E-06	3.40E-06	1.01E-06	4.80E-07	1.49E-06
357	570383.39	4215409.59	1.45E-05	7.57E-06	2.20E-05	2.21E-06	1.15E-06	3.36E-06	9.97E-07	4.74E-07	1.47E-06
358	570382.74	4215438.52	1.38E-05	7.24E-06	2.11E-05	2.11E-06	1.10E-06	3.21E-06	9.53E-07	4.53E-07	1.41E-06
359	570375.75	4215455.04	1.38E-05	7.23E-06	2.10E-05	2.11E-06	1.10E-06	3.21E-06	9.52E-07	4.53E-07	1.40E-06
360	570368.98	4215461.91	1.40E-05	7.30E-06	2.13E-05	2.13E-06	1.11E-06	3.24E-06	9.62E-07	4.57E-07	1.42E-06
361	570362.21	4215468.78	1.40E-05	7.34E-06	2.14E-05	2.14E-06	1.12E-06	3.26E-06	9.66E-07	4.59E-07	1.43E-06
362	570355.44	4215475.65	1.40E-05	7.31E-06	2.13E-05	2.13E-06	1.11E-06	3.24E-06	9.62E-07	4.58E-07	1.42E-06

363	570348.67	4215482.52	1.38E-05	7.21E-06	2.10E-05	2.11E-06	1.10E-06	3.20E-06	9.50E-07	4.52E-07	1.40E-06
364	570341.9	4215489.39	1.35E-05	7.07E-06	2.06E-05	2.06E-06	1.08E-06	3.14E-06	9.31E-07	4.43E-07	1.37E-06
365	570335.13	4215496.26	1.32E-05	6.89E-06	2.00E-05	2.01E-06	1.05E-06	3.06E-06	9.07E-07	4.31E-07	1.34E-06
366	570328.36	4215503.13	1.27E-05	6.65E-06	1.94E-05	1.94E-06	1.01E-06	2.95E-06	8.76E-07	4.16E-07	1.29E-06
367	570321.59	4215510	1.22E-05	6.38E-06	1.86E-05	1.86E-06	9.70E-07	2.83E-06	8.40E-07	3.99E-07	1.24E-06
368	570314.82	4215516.87	1.16E-05	6.08E-06	1.77E-05	1.78E-06	9.25E-07	2.70E-06	8.01E-07	3.81E-07	1.18E-06
369	570308.05	4215523.74	1.10E-05	5.77E-06	1.68E-05	1.69E-06	8.78E-07	2.56E-06	7.61E-07	3.62E-07	1.12E-06
370	570301.28	4215530.61	1.04E-05	5.47E-06	1.59E-05	1.60E-06	8.31E-07	2.43E-06	7.20E-07	3.42E-07	1.06E-06
371	570393.01	4215395.17	1.40E-05	7.34E-06	2.14E-05	2.14E-06	1.12E-06	3.26E-06	9.66E-07	4.59E-07	1.43E-06
372	570392.8	4215404.66	1.39E-05	7.26E-06	2.11E-05	2.12E-06	1.10E-06	3.22E-06	9.56E-07	4.54E-07	1.41E-06
373	570392.59	4215414.14	1.37E-05	7.18E-06	2.09E-05	2.10E-06	1.09E-06	3.19E-06	9.46E-07	4.50E-07	1.40E-06
374	570391.95	4215442.58	1.32E-05	6.90E-06	2.01E-05	2.01E-06	1.05E-06	3.06E-06	9.09E-07	4.32E-07	1.34E-06
375	570385.08	4215458.82	1.32E-05	6.90E-06	2.01E-05	2.01E-06	1.05E-06	3.06E-06	9.08E-07	4.32E-07	1.34E-06
376	570378.42	4215465.57	1.33E-05	6.97E-06	2.03E-05	2.03E-06	1.06E-06	3.09E-06	9.18E-07	4.36E-07	1.35E-06
377	570371.76	4215472.33	1.34E-05	6.99E-06	2.04E-05	2.04E-06	1.06E-06	3.11E-06	9.21E-07	4.38E-07	1.36E-06
378	570365.11	4215479.08	1.33E-05	6.98E-06	2.03E-05	2.04E-06	1.06E-06	3.10E-06	9.19E-07	4.37E-07	1.36E-06
379	570358.45	4215485.84	1.32E-05	6.92E-06	2.01E-05	2.02E-06	1.05E-06	3.07E-06	9.11E-07	4.33E-07	1.34E-06
380	570351.79	4215492.59	1.30E-05	6.81E-06	1.98E-05	1.99E-06	1.04E-06	3.02E-06	8.97E-07	4.26E-07	1.32E-06
381	570345.14	4215499.35	1.27E-05	6.65E-06	1.93E-05	1.94E-06	1.01E-06	2.95E-06	8.75E-07	4.16E-07	1.29E-06
382	570338.48	4215506.1	1.23E-05	6.44E-06	1.88E-05	1.88E-06	9.80E-07	2.86E-06	8.49E-07	4.04E-07	1.25E-06
383	570331.83	4215512.86	1.19E-05	6.21E-06	1.81E-05	1.81E-06	9.44E-07	2.76E-06	8.17E-07	3.89E-07	1.21E-06
384	570325.17	4215519.62	1.13E-05	5.94E-06	1.73E-05	1.73E-06	9.03E-07	2.64E-06	7.82E-07	3.72E-07	1.15E-06
385	570318.51	4215526.37	1.08E-05	5.66E-06	1.65E-05	1.65E-06	8.60E-07	2.51E-06	7.45E-07	3.54E-07	1.10E-06
386	570311.86	4215533.13	1.03E-05	5.39E-06	1.57E-05	1.57E-06	8.19E-07	2.39E-06	7.10E-07	3.37E-07	1.05E-06
387	570305.2	4215539.88	9.75E-06	5.10E-06	1.49E-05	1.49E-06	7.76E-07	2.27E-06	6.72E-07	3.19E-07	9.92E-07
388	570402.42	4215390.57	1.34E-05	7.02E-06	2.04E-05	2.05E-06	1.07E-06	3.12E-06	9.24E-07	4.39E-07	1.36E-06
389	570402.21	4215399.91	1.33E-05	6.96E-06	2.03E-05	2.03E-06	1.06E-06	3.09E-06	9.17E-07	4.36E-07	1.35E-06
390	570401.99	4215409.25	1.32E-05	6.90E-06	2.01E-05	2.01E-06	1.05E-06	3.06E-06	9.08E-07	4.32E-07	1.34E-06
391	570401.15	4215446.62	1.26E-05	6.58E-06	1.92E-05	1.92E-06	1.00E-06	2.92E-06	8.67E-07	4.12E-07	1.28E-06
392	570394.38	4215462.61	1.26E-05	6.58E-06	1.91E-05	1.92E-06	1.00E-06	2.92E-06	8.66E-07	4.12E-07	1.28E-06
393	570387.83	4215469.27	1.27E-05	6.65E-06	1.94E-05	1.94E-06	1.01E-06	2.95E-06	8.75E-07	4.16E-07	1.29E-06
394	570381.27	4215475.92	1.28E-05	6.68E-06	1.95E-05	1.95E-06	1.02E-06	2.97E-06	8.80E-07	4.18E-07	1.30E-06
395	570374.71	4215482.58	1.28E-05	6.67E-06	1.94E-05	1.95E-06	1.02E-06	2.96E-06	8.79E-07	4.18E-07	1.30E-06
396	570368.15	4215489.24	1.27E-05	6.63E-06	1.93E-05	1.93E-06	1.01E-06	2.94E-06	8.73E-07	4.15E-07	1.29E-06
397	570361.6	4215495.89	1.25E-05	6.54E-06	1.90E-05	1.91E-06	9.95E-07	2.90E-06	8.61E-07	4.09E-07	1.27E-06
398	570355.04	4215502.55	1.23E-05	6.41E-06	1.87E-05	1.87E-06	9.75E-07	2.85E-06	8.45E-07	4.01E-07	1.25E-06
399	570348.48	4215509.2	1.19E-05	6.24E-06	1.82E-05	1.82E-06	9.49E-07	2.77E-06	8.22E-07	3.91E-07	1.21E-06
400	570341.92	4215515.86	1.15E-05	6.03E-06	1.76E-05	1.76E-06	9.18E-07	2.68E-06	7.95E-07	3.78E-07	1.17E-06
401	570335.36	4215522.51	1.11E-05	5.80E-06	1.69E-05	1.69E-06	8.82E-07	2.57E-06	7.64E-07	3.63E-07	1.13E-06
402	570328.81	4215529.17	1.06E-05	5.54E-06	1.61E-05	1.62E-06	8.43E-07	2.46E-06	7.30E-07	3.47E-07	1.08E-06
403	570322.25	4215535.82	1.01E-05	5.29E-06	1.54E-05	1.54E-06	8.05E-07	2.35E-06	6.97E-07	3.31E-07	1.03E-06
404	570315.69	4215542.48	9.61E-06	5.03E-06	1.46E-05	1.47E-06	7.65E-07	2.23E-06	6.63E-07	3.15E-07	9.77E-07
405	570309.13	4215549.13	9.09E-06	4.76E-06	1.38E-05	1.39E-06	7.23E-07	2.11E-06	6.26E-07	2.98E-07	9.24E-07
406	570411.7	4215391.03	1.28E-05	6.69E-06	1.95E-05	1.95E-06	1.02E-06	2.97E-06	8.82E-07	4.19E-07	1.30E-06
407	570411.48	4215400.86	1.27E-05	6.64E-06	1.93E-05	1.94E-06	1.01E-06	2.95E-06	8.75E-07	4.16E-07	1.29E-06
408	570411.26	4215410.69	1.26E-05	6.58E-06	1.92E-05	1.92E-06	1.00E-06	2.92E-06	8.67E-07	4.12E-07	1.28E-06
409	570410.59	4215440.19	1.22E-05	6.38E-06	1.86E-05	1.86E-06	9.70E-07	2.83E-06	8.40E-07	3.99E-07	1.24E-06
410	570410.37	4215450.02	1.20E-05	6.29E-06	1.83E-05	1.84E-06	9.57E-07	2.79E-06	8.29E-07	3.94E-07	1.22E-06
411	570403.25	4215466.86	1.20E-05	6.28E-06	1.83E-05	1.83E-06	9.55E-07	2.79E-06	8.27E-07	3.93E-07	1.22E-06
412	570396.34	4215473.87	1.21E-05	6.34E-06	1.85E-05	1.85E-06	9.64E-07	2.81E-06	8.35E-07	3.97E-07	1.23E-06
413	570389.44	4215480.87	1.22E-05	6.38E-06	1.86E-05	1.86E-06	9.70E-07	2.83E-06	8.40E-07	3.99E-07	1.24E-06
414	570382.54	4215487.88	1.22E-05	6.39E-06	1.86E-05	1.86E-06	9.71E-07	2.84E-06	8.41E-07	4.00E-07	1.24E-06
415	570375.64	4215494.88	1.21E-05	6.34E-06	1.84E-05	1.85E-06	9.64E-07	2.81E-06	8.35E-07	3.97E-07	1.23E-06
416	570368.73	4215501.89	1.19E-05	6.24E-06	1.82E-05	1.82E-06	9.49E-07	2.77E-06	8.22E-07	3.91E-07	1.21E-06
417	570361.83	4215508.89	1.17E-05	6.11E-06	1.78E-05	1.78E-06	9.29E-07	2.71E-06	8.04E-07	3.82E-07	1.19E-06
418	570354.93	4215515.9	1.14E-05	5.94E-06	1.73E-05	1.73E-06	9.04E-07	2.64E-06	7.83E-07	3.72E-07	1.16E-06
419	570348.03	4215522.91	1.10E-05	5.74E-06	1.67E-05	1.67E-06	8.73E-07	2.55E-06	7.56E-07	3.59E-07	1.11E-06
420	570341.12	4215529.91	1.05E-05	5.50E-06	1.60E-05	1.61E-06	8.37E-07	2.44E-06	7.25E-07	3.45E-07	1.07E-06
421	570334.22	4215536.92	1.00E-05	5.26E-06	1.53E-05	1.53E-06	7.99E-07	2.33E-06	6.92E-07	3.29E-07	1.02E-06
422	570327.32	4215543.92	9.55E-06	5.00E-06	1.45E-05	1.46E-06	7.60E-07	2.22E-06	6.58E-07	3.13E-07	9.71E-07
423	570320.41	4215550.93	9.03E-06	4.73E-06	1.38E-05	1.38E-06	7.19E-07	2.10E-06	6.22E-07	2.96E-07	9.18E-07

424	570313.51	4215557.93	8.50E-06	4.45E-06	1.29E-05	1.30E-06	6.76E-07	1.97E-06	5.86E-07	2.78E-07	8.64E-07
425	570421.11	4215386.32	1.22E-05	6.41E-06	1.86E-05	1.87E-06	9.74E-07	2.84E-06	8.44E-07	4.01E-07	1.24E-06
426	570420.89	4215396	1.22E-05	6.38E-06	1.86E-05	1.86E-06	9.70E-07	2.83E-06	8.40E-07	3.99E-07	1.24E-06
427	570420.67	4215405.68	1.21E-05	6.33E-06	1.84E-05	1.85E-06	9.63E-07	2.81E-06	8.34E-07	3.96E-07	1.23E-06
428	570420.45	4215415.36	1.20E-05	6.28E-06	1.83E-05	1.83E-06	9.56E-07	2.79E-06	8.28E-07	3.94E-07	1.22E-06
429	570419.8	4215444.39	1.16E-05	6.08E-06	1.77E-05	1.78E-06	9.25E-07	2.70E-06	8.01E-07	3.81E-07	1.18E-06
430	570419.58	4215454.07	1.15E-05	6.00E-06	1.75E-05	1.75E-06	9.13E-07	2.67E-06	7.91E-07	3.76E-07	1.17E-06
431	570412.56	4215470.65	1.15E-05	5.99E-06	1.74E-05	1.75E-06	9.11E-07	2.66E-06	7.89E-07	3.75E-07	1.16E-06
432	570405.77	4215477.54	1.16E-05	6.05E-06	1.76E-05	1.76E-06	9.20E-07	2.68E-06	7.96E-07	3.79E-07	1.18E-06
433	570398.98	4215484.44	1.16E-05	6.08E-06	1.77E-05	1.78E-06	9.25E-07	2.70E-06	8.01E-07	3.81E-07	1.18E-06
434	570392.18	4215491.34	1.17E-05	6.10E-06	1.77E-05	1.78E-06	9.27E-07	2.71E-06	8.03E-07	3.82E-07	1.18E-06
435	570385.39	4215498.23	1.16E-05	6.08E-06	1.77E-05	1.77E-06	9.24E-07	2.70E-06	8.00E-07	3.80E-07	1.18E-06
436	570378.59	4215505.13	1.15E-05	5.99E-06	1.75E-05	1.75E-06	9.12E-07	2.66E-06	7.90E-07	3.75E-07	1.16E-06
437	570371.8	4215512.02	1.12E-05	5.88E-06	1.71E-05	1.72E-06	8.94E-07	2.61E-06	7.74E-07	3.68E-07	1.14E-06
438	570365	4215518.92	1.10E-05	5.74E-06	1.67E-05	1.67E-06	8.73E-07	2.55E-06	7.56E-07	3.59E-07	1.12E-06
439	570358.21	4215525.82	1.06E-05	5.57E-06	1.62E-05	1.63E-06	8.47E-07	2.47E-06	7.34E-07	3.49E-07	1.08E-06
440	570351.41	4215532.71	1.03E-05	5.37E-06	1.56E-05	1.57E-06	8.18E-07	2.39E-06	7.08E-07	3.37E-07	1.04E-06
441	570344.62	4215539.61	9.84E-06	5.15E-06	1.50E-05	1.50E-06	7.83E-07	2.29E-06	6.78E-07	3.22E-07	1.00E-06
442	570337.82	4215546.51	9.39E-06	4.91E-06	1.43E-05	1.43E-06	7.47E-07	2.18E-06	6.47E-07	3.07E-07	9.54E-07
443	570331.03	4215553.4	8.91E-06	4.66E-06	1.36E-05	1.36E-06	7.09E-07	2.07E-06	6.14E-07	2.92E-07	9.06E-07
444	570324.23	4215560.3	8.42E-06	4.40E-06	1.28E-05	1.29E-06	6.70E-07	1.95E-06	5.80E-07	2.76E-07	8.56E-07
445	570317.44	4215567.19	7.89E-06	4.13E-06	1.20E-05	1.20E-06	6.28E-07	1.83E-06	5.44E-07	2.58E-07	8.02E-07
446	570430.51	4215381.76	1.17E-05	6.12E-06	1.78E-05	1.79E-06	9.31E-07	2.72E-06	8.07E-07	3.83E-07	1.19E-06
447	570430.29	4215391.3	1.17E-05	6.11E-06	1.78E-05	1.78E-06	9.30E-07	2.71E-06	8.05E-07	3.83E-07	1.19E-06
448	570430.08	4215400.85	1.16E-05	6.09E-06	1.77E-05	1.78E-06	9.26E-07	2.70E-06	8.02E-07	3.81E-07	1.18E-06
449	570429.86	4215410.39	1.16E-05	6.05E-06	1.76E-05	1.77E-06	9.21E-07	2.69E-06	7.97E-07	3.79E-07	1.18E-06
450	570429.22	4215439.02	1.12E-05	5.87E-06	1.71E-05	1.71E-06	8.93E-07	2.61E-06	7.74E-07	3.68E-07	1.14E-06
451	570429	4215448.56	1.11E-05	5.81E-06	1.69E-05	1.69E-06	8.83E-07	2.58E-06	7.65E-07	3.64E-07	1.13E-06
452	570428.78	4215458.11	1.10E-05	5.73E-06	1.67E-05	1.67E-06	8.71E-07	2.54E-06	7.55E-07	3.59E-07	1.11E-06
453	570421.87	4215474.45	1.09E-05	5.71E-06	1.66E-05	1.67E-06	8.68E-07	2.53E-06	7.52E-07	3.57E-07	1.11E-06
454	570415.17	4215481.25	1.10E-05	5.77E-06	1.68E-05	1.68E-06	8.77E-07	2.56E-06	7.60E-07	3.61E-07	1.12E-06
455	570408.47	4215488.05	1.11E-05	5.80E-06	1.69E-05	1.69E-06	8.83E-07	2.58E-06	7.65E-07	3.63E-07	1.13E-06
456	570401.77	4215494.85	1.11E-05	5.82E-06	1.69E-05	1.70E-06	8.85E-07	2.58E-06	7.66E-07	3.64E-07	1.13E-06
457	570395.07	4215501.65	1.11E-05	5.80E-06	1.69E-05	1.69E-06	8.82E-07	2.57E-06	7.64E-07	3.63E-07	1.13E-06
458	570388.37	4215508.45	1.10E-05	5.75E-06	1.67E-05	1.68E-06	8.74E-07	2.55E-06	7.57E-07	3.60E-07	1.12E-06
459	570381.67	4215515.25	1.08E-05	5.66E-06	1.65E-05	1.65E-06	8.61E-07	2.51E-06	7.45E-07	3.54E-07	1.10E-06
460	570374.97	4215522.04	1.06E-05	5.54E-06	1.61E-05	1.62E-06	8.42E-07	2.46E-06	7.29E-07	3.47E-07	1.08E-06
461	570368.27	4215528.84	1.03E-05	5.39E-06	1.57E-05	1.57E-06	8.19E-07	2.39E-06	7.10E-07	3.37E-07	1.05E-06
462	570361.57	4215535.64	9.97E-06	5.22E-06	1.52E-05	1.52E-06	7.93E-07	2.32E-06	6.87E-07	3.27E-07	1.01E-06
463	570354.87	4215542.44	9.61E-06	5.03E-06	1.46E-05	1.47E-06	7.65E-07	2.23E-06	6.62E-07	3.15E-07	9.77E-07
464	570348.17	4215549.24	9.20E-06	4.81E-06	1.40E-05	1.40E-06	7.32E-07	2.14E-06	6.34E-07	3.01E-07	9.35E-07
465	570341.47	4215556.04	8.76E-06	4.59E-06	1.34E-05	1.34E-06	6.97E-07	2.04E-06	6.04E-07	2.87E-07	8.91E-07
466	570334.77	4215562.84	8.31E-06	4.35E-06	1.27E-05	1.27E-06	6.61E-07	1.93E-06	5.72E-07	2.72E-07	8.44E-07
467	570328.07	4215569.64	7.82E-06	4.09E-06	1.19E-05	1.19E-06	6.23E-07	1.82E-06	5.39E-07	2.56E-07	7.96E-07
468	570321.37	4215576.44	7.33E-06	3.84E-06	1.12E-05	1.12E-06	5.83E-07	1.70E-06	5.05E-07	2.40E-07	7.45E-07
469	570439.69	4215386.74	1.12E-05	5.85E-06	1.70E-05	1.71E-06	8.90E-07	2.60E-06	7.71E-07	3.66E-07	1.14E-06
470	570439.48	4215396.16	1.12E-05	5.85E-06	1.70E-05	1.71E-06	8.89E-07	2.60E-06	7.70E-07	3.66E-07	1.14E-06
471	570439.27	4215405.59	1.11E-05	5.83E-06	1.70E-05	1.70E-06	8.87E-07	2.59E-06	7.68E-07	3.65E-07	1.13E-06
472	570439.05	4215415.01	1.11E-05	5.79E-06	1.69E-05	1.69E-06	8.80E-07	2.57E-06	7.62E-07	3.62E-07	1.12E-06
473	570438.42	4215443.28	1.07E-05	5.61E-06	1.63E-05	1.64E-06	8.53E-07	2.49E-06	7.39E-07	3.51E-07	1.09E-06
474	570438.2	4215452.7	1.06E-05	5.55E-06	1.61E-05	1.62E-06	8.44E-07	2.46E-06	7.31E-07	3.47E-07	1.08E-06
475	570437.99	4215462.12	1.05E-05	5.47E-06	1.59E-05	1.60E-06	8.32E-07	2.43E-06	7.21E-07	3.43E-07	1.06E-06
476	570431.16	4215478.26	1.04E-05	5.43E-06	1.58E-05	1.59E-06	8.27E-07	2.41E-06	7.16E-07	3.40E-07	1.06E-06
477	570424.55	4215484.97	1.05E-05	5.49E-06	1.60E-05	1.60E-06	8.35E-07	2.44E-06	7.23E-07	3.44E-07	1.07E-06
478	570417.93	4215491.69	1.06E-05	5.53E-06	1.61E-05	1.62E-06	8.42E-07	2.46E-06	7.29E-07	3.46E-07	1.08E-06
479	570411.32	4215498.4	1.06E-05	5.56E-06	1.62E-05	1.62E-06	8.45E-07	2.47E-06	7.32E-07	3.48E-07	1.08E-06
480	570404.7	4215505.11	1.06E-05	5.54E-06	1.61E-05	1.62E-06	8.42E-07	2.46E-06	7.29E-07	3.47E-07	1.08E-06
481	570398.09	4215511.83	1.05E-05	5.50E-06	1.60E-05	1.60E-06	8.36E-07	2.44E-06	7.24E-07	3.44E-07	1.07E-06
482	570391.47	4215518.54	1.04E-05	5.43E-06	1.58E-05	1.58E-06	8.26E-07	2.41E-06	7.15E-07	3.40E-07	1.06E-06
483	570384.86	4215525.25	1.02E-05	5.34E-06	1.55E-05	1.56E-06	8.12E-07	2.37E-06	7.03E-07	3.34E-07	1.04E-06
484	570378.24	4215531.97	9.95E-06	5.20E-06	1.51E-05	1.52E-06	7.91E-07	2.31E-06	6.85E-07	3.26E-07	1.01E-06

485	570371.63	4215538.68	9.66E-06	5.05E-06	1.47E-05	1.47E-06	7.68E-07	2.24E-06	6.65E-07	3.16E-07	9.82E-07
486	570365.01	4215545.4	9.33E-06	4.88E-06	1.42E-05	1.43E-06	7.43E-07	2.17E-06	6.43E-07	3.06E-07	9.49E-07
487	570358.4	4215552.11	8.98E-06	4.70E-06	1.37E-05	1.37E-06	7.15E-07	2.09E-06	6.19E-07	2.94E-07	9.13E-07
488	570351.78	4215558.82	8.59E-06	4.50E-06	1.31E-05	1.31E-06	6.84E-07	2.00E-06	5.92E-07	2.82E-07	8.74E-07
489	570345.17	4215565.54	8.17E-06	4.28E-06	1.24E-05	1.25E-06	6.50E-07	1.90E-06	5.63E-07	2.68E-07	8.31E-07
490	570338.55	4215572.25	7.73E-06	4.05E-06	1.18E-05	1.18E-06	6.16E-07	1.80E-06	5.33E-07	2.53E-07	7.86E-07
491	570331.94	4215578.96	7.28E-06	3.81E-06	1.11E-05	1.11E-06	5.80E-07	1.69E-06	5.02E-07	2.39E-07	7.41E-07
492	570325.32	4215585.68	6.58E-06	3.44E-06	1.00E-05	1.01E-06	5.24E-07	1.53E-06	4.54E-07	2.16E-07	6.69E-07
493	570449.21	4215377.12	1.07E-05	5.61E-06	1.63E-05	1.64E-06	8.53E-07	2.49E-06	7.38E-07	3.51E-07	1.09E-06
494	570448.98	4215386.95	1.07E-05	5.61E-06	1.63E-05	1.64E-06	8.53E-07	2.49E-06	7.39E-07	3.51E-07	1.09E-06
495	570448.76	4215396.78	1.07E-05	5.60E-06	1.63E-05	1.63E-06	8.51E-07	2.49E-06	7.37E-07	3.51E-07	1.09E-06
496	570448.54	4215406.62	1.07E-05	5.58E-06	1.62E-05	1.63E-06	8.49E-07	2.48E-06	7.35E-07	3.49E-07	1.08E-06
497	570448.32	4215416.45	1.06E-05	5.54E-06	1.61E-05	1.62E-06	8.42E-07	2.46E-06	7.30E-07	3.47E-07	1.08E-06
498	570447.65	4215445.95	1.03E-05	5.37E-06	1.56E-05	1.57E-06	8.17E-07	2.38E-06	7.07E-07	3.36E-07	1.04E-06
499	570447.43	4215455.78	1.01E-05	5.30E-06	1.54E-05	1.55E-06	8.07E-07	2.35E-06	6.98E-07	3.32E-07	1.03E-06
500	570447.21	4215465.61	9.99E-06	5.23E-06	1.52E-05	1.53E-06	7.95E-07	2.32E-06	6.88E-07	3.27E-07	1.02E-06
501	570440.09	4215482.45	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
502	570433.18	4215489.45	1.00E-05	5.23E-06	1.52E-05	1.53E-06	7.95E-07	2.32E-06	6.89E-07	3.27E-07	1.02E-06
503	570426.28	4215496.46	1.01E-05	5.27E-06	1.53E-05	1.54E-06	8.02E-07	2.34E-06	6.94E-07	3.30E-07	1.02E-06
504	570419.38	4215503.46	1.01E-05	5.29E-06	1.54E-05	1.54E-06	8.05E-07	2.35E-06	6.97E-07	3.31E-07	1.03E-06
505	570412.47	4215510.47	1.01E-05	5.29E-06	1.54E-05	1.54E-06	8.04E-07	2.35E-06	6.97E-07	3.31E-07	1.03E-06
506	570405.57	4215517.48	1.00E-05	5.25E-06	1.53E-05	1.53E-06	7.98E-07	2.33E-06	6.91E-07	3.28E-07	1.02E-06
507	570398.67	4215524.48	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
508	570391.77	4215531.49	9.71E-06	5.08E-06	1.48E-05	1.48E-06	7.73E-07	2.26E-06	6.69E-07	3.18E-07	9.87E-07
509	570384.86	4215538.49	9.47E-06	4.96E-06	1.44E-05	1.45E-06	7.54E-07	2.20E-06	6.53E-07	3.10E-07	9.63E-07
510	570377.96	4215545.5	9.18E-06	4.80E-06	1.40E-05	1.40E-06	7.31E-07	2.13E-06	6.33E-07	3.01E-07	9.34E-07
511	570371.06	4215552.5	8.86E-06	4.64E-06	1.35E-05	1.35E-06	7.05E-07	2.06E-06	6.11E-07	2.90E-07	9.01E-07
512	570364.16	4215559.51	8.51E-06	4.45E-06	1.30E-05	1.30E-06	6.77E-07	1.98E-06	5.86E-07	2.79E-07	8.65E-07
513	570357.25	4215566.51	8.13E-06	4.25E-06	1.24E-05	1.24E-06	6.47E-07	1.89E-06	5.60E-07	2.66E-07	8.26E-07
514	570350.35	4215573.52	7.71E-06	4.04E-06	1.17E-05	1.18E-06	6.14E-07	1.79E-06	5.32E-07	2.53E-07	7.84E-07
515	570343.45	4215580.53	7.28E-06	3.81E-06	1.11E-05	1.11E-06	5.80E-07	1.69E-06	5.02E-07	2.39E-07	7.40E-07
516	570336.54	4215587.53	6.84E-06	3.58E-06	1.04E-05	1.04E-06	5.44E-07	1.59E-06	4.72E-07	2.24E-07	6.96E-07
517	570329.64	4215594.54	6.41E-06	3.35E-06	9.76E-06	9.78E-07	5.10E-07	1.49E-06	4.41E-07	2.10E-07	6.51E-07
518	570458.61	4215372.61	1.03E-05	5.40E-06	1.57E-05	1.57E-06	8.21E-07	2.40E-06	7.11E-07	3.38E-07	1.05E-06
519	570458.39	4215382.31	1.03E-05	5.38E-06	1.57E-05	1.57E-06	8.19E-07	2.39E-06	7.09E-07	3.37E-07	1.05E-06
520	570458.17	4215392.01	1.03E-05	5.37E-06	1.56E-05	1.57E-06	8.17E-07	2.38E-06	7.07E-07	3.36E-07	1.04E-06
521	570457.95	4215401.72	1.02E-05	5.34E-06	1.56E-05	1.56E-06	8.13E-07	2.37E-06	7.04E-07	3.35E-07	1.04E-06
522	570457.73	4215411.42	1.02E-05	5.31E-06	1.55E-05	1.55E-06	8.08E-07	2.36E-06	7.00E-07	3.33E-07	1.03E-06
523	570457.07	4215440.53	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
524	570456.85	4215450.23	9.79E-06	5.12E-06	1.49E-05	1.49E-06	7.79E-07	2.27E-06	6.74E-07	3.21E-07	9.95E-07
525	570456.64	4215459.93	9.66E-06	5.05E-06	1.47E-05	1.47E-06	7.68E-07	2.24E-06	6.65E-07	3.16E-07	9.82E-07
526	570456.42	4215469.64	9.50E-06	4.97E-06	1.45E-05	1.45E-06	7.56E-07	2.21E-06	6.54E-07	3.11E-07	9.66E-07
527	570449.39	4215486.25	9.42E-06	4.93E-06	1.43E-05	1.44E-06	7.50E-07	2.19E-06	6.49E-07	3.09E-07	9.58E-07
528	570442.57	4215493.17	9.52E-06	4.98E-06	1.45E-05	1.45E-06	7.57E-07	2.21E-06	6.56E-07	3.12E-07	9.68E-07
529	570435.76	4215500.08	9.58E-06	5.01E-06	1.46E-05	1.46E-06	7.63E-07	2.23E-06	6.60E-07	3.14E-07	9.74E-07
530	570428.95	4215506.99	9.62E-06	5.03E-06	1.47E-05	1.47E-06	7.66E-07	2.24E-06	6.63E-07	3.15E-07	9.78E-07
531	570422.14	4215513.91	9.63E-06	5.04E-06	1.47E-05	1.47E-06	7.67E-07	2.24E-06	6.64E-07	3.16E-07	9.79E-07
532	570415.33	4215520.82	9.61E-06	5.03E-06	1.46E-05	1.47E-06	7.64E-07	2.23E-06	6.62E-07	3.15E-07	9.77E-07
533	570408.51	4215527.73	9.50E-06	4.97E-06	1.45E-05	1.45E-06	7.56E-07	2.21E-06	6.55E-07	3.11E-07	9.66E-07
534	570401.7	4215534.65	9.34E-06	4.89E-06	1.42E-05	1.43E-06	7.43E-07	2.17E-06	6.44E-07	3.06E-07	9.50E-07
535	570394.89	4215541.56	9.14E-06	4.78E-06	1.39E-05	1.39E-06	7.27E-07	2.12E-06	6.30E-07	2.99E-07	9.29E-07
536	570388.08	4215548.47	8.89E-06	4.65E-06	1.35E-05	1.36E-06	7.08E-07	2.07E-06	6.13E-07	2.91E-07	9.04E-07
537	570381.27	4215555.39	8.61E-06	4.50E-06	1.31E-05	1.31E-06	6.85E-07	2.00E-06	5.93E-07	2.82E-07	8.75E-07
538	570374.45	4215562.3	8.29E-06	4.34E-06	1.26E-05	1.27E-06	6.60E-07	1.93E-06	5.71E-07	2.72E-07	8.43E-07
539	570367.64	4215569.21	7.95E-06	4.16E-06	1.21E-05	1.21E-06	6.33E-07	1.85E-06	5.48E-07	2.60E-07	8.08E-07
540	570360.83	4215576.13	7.59E-06	3.97E-06	1.16E-05	1.16E-06	6.04E-07	1.76E-06	5.23E-07	2.49E-07	7.71E-07
541	570354.02	4215583.04	7.20E-06	3.77E-06	1.10E-05	1.10E-06	5.73E-07	1.67E-06	4.96E-07	2.36E-07	7.32E-07
542	570347.21	4215589.95	6.80E-06	3.56E-06	1.04E-05	1.04E-06	5.41E-07	1.58E-06	4.69E-07	2.23E-07	6.91E-07
543	570340.4	4215596.87	6.40E-06	3.35E-06	9.75E-06	9.77E-07	5.09E-07	1.49E-06	4.41E-07	2.10E-07	6.50E-07
544	570333.58	4215603.78	6.00E-06	3.14E-06	9.14E-06	9.16E-07	4.77E-07	1.39E-06	4.13E-07	1.97E-07	6.10E-07
545	570468	4215368.2	9.93E-06	5.20E-06	1.51E-05	1.52E-06	7.90E-07	2.31E-06	6.84E-07	3.25E-07	1.01E-06

546	570467.79	4215377.78	9.91E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.83E-07	3.25E-07	1.01E-06
547	570467.57	4215387.37	9.87E-06	5.16E-06	1.50E-05	1.51E-06	7.85E-07	2.29E-06	6.80E-07	3.23E-07	1.00E-06
548	570467.35	4215396.96	9.81E-06	5.13E-06	1.49E-05	1.50E-06	7.81E-07	2.28E-06	6.76E-07	3.21E-07	9.98E-07
549	570467.14	4215406.54	9.74E-06	5.10E-06	1.48E-05	1.49E-06	7.75E-07	2.26E-06	6.71E-07	3.19E-07	9.90E-07
550	570466.92	4215416.13	9.69E-06	5.07E-06	1.48E-05	1.48E-06	7.71E-07	2.25E-06	6.68E-07	3.18E-07	9.86E-07
551	570466.27	4215444.89	9.45E-06	4.95E-06	1.44E-05	1.44E-06	7.52E-07	2.20E-06	6.52E-07	3.10E-07	9.61E-07
552	570466.06	4215454.48	9.34E-06	4.89E-06	1.42E-05	1.43E-06	7.43E-07	2.17E-06	6.43E-07	3.06E-07	9.49E-07
553	570465.84	4215464.06	9.21E-06	4.82E-06	1.40E-05	1.41E-06	7.33E-07	2.14E-06	6.34E-07	3.02E-07	9.36E-07
554	570465.62	4215473.65	9.04E-06	4.73E-06	1.38E-05	1.38E-06	7.19E-07	2.10E-06	6.23E-07	2.96E-07	9.19E-07
555	570458.68	4215490.07	8.96E-06	4.69E-06	1.36E-05	1.37E-06	7.13E-07	2.08E-06	6.17E-07	2.93E-07	9.11E-07
556	570451.95	4215496.9	9.05E-06	4.73E-06	1.38E-05	1.38E-06	7.20E-07	2.10E-06	6.24E-07	2.96E-07	9.20E-07
557	570445.22	4215503.73	9.12E-06	4.77E-06	1.39E-05	1.39E-06	7.26E-07	2.12E-06	6.29E-07	2.99E-07	9.27E-07
558	570438.49	4215510.56	9.16E-06	4.79E-06	1.40E-05	1.40E-06	7.29E-07	2.13E-06	6.31E-07	3.00E-07	9.32E-07
559	570431.76	4215517.39	9.18E-06	4.80E-06	1.40E-05	1.40E-06	7.30E-07	2.13E-06	6.32E-07	3.01E-07	9.33E-07
560	570425.03	4215524.22	9.16E-06	4.79E-06	1.40E-05	1.40E-06	7.29E-07	2.13E-06	6.31E-07	3.00E-07	9.31E-07
561	570418.3	4215531.05	9.10E-06	4.76E-06	1.39E-05	1.39E-06	7.24E-07	2.11E-06	6.27E-07	2.98E-07	9.25E-07
562	570411.57	4215537.88	8.99E-06	4.70E-06	1.37E-05	1.37E-06	7.15E-07	2.09E-06	6.19E-07	2.94E-07	9.14E-07
563	570404.84	4215544.71	8.81E-06	4.61E-06	1.34E-05	1.35E-06	7.01E-07	2.05E-06	6.07E-07	2.89E-07	8.96E-07
564	570398.11	4215551.54	8.60E-06	4.50E-06	1.31E-05	1.31E-06	6.84E-07	2.00E-06	5.93E-07	2.82E-07	8.74E-07
565	570391.38	4215558.37	8.35E-06	4.37E-06	1.27E-05	1.27E-06	6.64E-07	1.94E-06	5.75E-07	2.73E-07	8.49E-07
566	570384.65	4215565.2	8.07E-06	4.22E-06	1.23E-05	1.23E-06	6.42E-07	1.87E-06	5.56E-07	2.64E-07	8.20E-07
567	570377.92	4215572.03	7.76E-06	4.06E-06	1.18E-05	1.18E-06	6.18E-07	1.80E-06	5.35E-07	2.54E-07	7.89E-07
568	570371.18	4215578.86	7.44E-06	3.89E-06	1.13E-05	1.14E-06	5.92E-07	1.73E-06	5.12E-07	2.44E-07	7.56E-07
569	570364.45	4215585.69	7.10E-06	3.71E-06	1.08E-05	1.08E-06	5.65E-07	1.65E-06	4.89E-07	2.32E-07	7.21E-07
570	570357.72	4215592.52	6.73E-06	3.52E-06	1.03E-05	1.03E-06	5.36E-07	1.56E-06	4.64E-07	2.21E-07	6.85E-07
571	570350.99	4215599.35	6.36E-06	3.33E-06	9.69E-06	9.72E-07	5.06E-07	1.48E-06	4.39E-07	2.08E-07	6.47E-07
572	570344.26	4215606.18	5.99E-06	3.14E-06	9.13E-06	9.15E-07	4.77E-07	1.39E-06	4.13E-07	1.96E-07	6.09E-07
573	570337.53	4215613.01	5.63E-06	2.95E-06	8.57E-06	8.60E-07	4.48E-07	1.31E-06	3.88E-07	1.84E-07	5.72E-07
574	570477.4	4215363.88	9.56E-06	5.00E-06	1.46E-05	1.46E-06	7.61E-07	2.22E-06	6.59E-07	3.13E-07	9.72E-07
575	570477.18	4215373.36	9.55E-06	5.00E-06	1.45E-05	1.46E-06	7.60E-07	2.22E-06	6.58E-07	3.13E-07	9.71E-07
576	570476.97	4215382.84	9.51E-06	4.98E-06	1.45E-05	1.45E-06	7.57E-07	2.21E-06	6.56E-07	3.12E-07	9.67E-07
577	570476.76	4215392.32	9.46E-06	4.95E-06	1.44E-05	1.44E-06	7.53E-07	2.20E-06	6.52E-07	3.10E-07	9.61E-07
578	570476.54	4215401.8	9.39E-06	4.91E-06	1.43E-05	1.43E-06	7.47E-07	2.18E-06	6.47E-07	3.07E-07	9.54E-07
579	570476.33	4215411.28	9.33E-06	4.88E-06	1.42E-05	1.42E-06	7.42E-07	2.17E-06	6.43E-07	3.06E-07	9.48E-07
580	570475.69	4215439.73	9.14E-06	4.78E-06	1.39E-05	1.40E-06	7.27E-07	2.12E-06	6.30E-07	2.99E-07	9.29E-07
581	570475.47	4215449.21	9.04E-06	4.73E-06	1.38E-05	1.38E-06	7.19E-07	2.10E-06	6.23E-07	2.96E-07	9.19E-07
582	570475.26	4215458.69	8.92E-06	4.67E-06	1.36E-05	1.36E-06	7.10E-07	2.07E-06	6.14E-07	2.92E-07	9.07E-07
583	570475.04	4215468.17	8.78E-06	4.59E-06	1.34E-05	1.34E-06	6.99E-07	2.04E-06	6.05E-07	2.88E-07	8.93E-07
584	570474.83	4215477.65	8.61E-06	4.51E-06	1.31E-05	1.32E-06	6.86E-07	2.00E-06	5.94E-07	2.82E-07	8.76E-07
585	570467.96	4215493.89	8.53E-06	4.46E-06	1.30E-05	1.30E-06	6.79E-07	1.98E-06	5.88E-07	2.79E-07	8.67E-07
586	570461.3	4215500.64	8.60E-06	4.50E-06	1.31E-05	1.31E-06	6.85E-07	2.00E-06	5.93E-07	2.82E-07	8.75E-07
587	570454.65	4215507.4	8.67E-06	4.53E-06	1.32E-05	1.32E-06	6.90E-07	2.01E-06	5.97E-07	2.84E-07	8.81E-07
588	570447.99	4215514.15	8.72E-06	4.56E-06	1.33E-05	1.33E-06	6.94E-07	2.03E-06	6.01E-07	2.86E-07	8.86E-07
589	570441.34	4215520.91	8.75E-06	4.58E-06	1.33E-05	1.34E-06	6.96E-07	2.03E-06	6.03E-07	2.87E-07	8.89E-07
590	570434.68	4215527.66	8.74E-06	4.57E-06	1.33E-05	1.33E-06	6.95E-07	2.03E-06	6.02E-07	2.86E-07	8.88E-07
591	570428.02	4215534.42	8.69E-06	4.54E-06	1.32E-05	1.33E-06	6.91E-07	2.02E-06	5.99E-07	2.85E-07	8.83E-07
592	570421.37	4215541.18	8.61E-06	4.50E-06	1.31E-05	1.31E-06	6.85E-07	2.00E-06	5.93E-07	2.82E-07	8.75E-07
593	570414.71	4215547.93	8.49E-06	4.44E-06	1.29E-05	1.30E-06	6.76E-07	1.97E-06	5.85E-07	2.78E-07	8.63E-07
594	570408.05	4215554.69	8.31E-06	4.35E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.73E-07	2.72E-07	8.45E-07
595	570401.4	4215561.44	8.09E-06	4.23E-06	1.23E-05	1.23E-06	6.44E-07	1.88E-06	5.57E-07	2.65E-07	8.22E-07
596	570394.74	4215568.2	7.83E-06	4.10E-06	1.19E-05	1.20E-06	6.23E-07	1.82E-06	5.40E-07	2.57E-07	7.96E-07
597	570388.09	4215574.95	7.56E-06	3.96E-06	1.15E-05	1.15E-06	6.02E-07	1.76E-06	5.21E-07	2.48E-07	7.69E-07
598	570381.43	4215581.71	7.27E-06	3.80E-06	1.11E-05	1.11E-06	5.79E-07	1.69E-06	5.01E-07	2.38E-07	7.39E-07
599	570374.77	4215588.46	6.96E-06	3.64E-06	1.06E-05	1.06E-06	5.54E-07	1.62E-06	4.80E-07	2.28E-07	7.08E-07
600	570368.12	4215595.22	6.64E-06	3.47E-06	1.01E-05	1.01E-06	5.28E-07	1.54E-06	4.57E-07	2.17E-07	6.75E-07
601	570361.46	4215601.97	6.30E-06	3.30E-06	9.60E-06	9.63E-07	5.02E-07	1.46E-06	4.34E-07	2.07E-07	6.41E-07
602	570354.81	4215608.73	5.97E-06	3.12E-06	9.09E-06	9.11E-07	4.75E-07	1.39E-06	4.11E-07	1.95E-07	6.06E-07
603	570348.15	4215615.48	5.63E-06	2.94E-06	8.57E-06	8.59E-07	4.48E-07	1.31E-06	3.88E-07	1.84E-07	5.72E-07
604	570341.49	4215622.24	5.29E-06	2.77E-06	8.06E-06	8.08E-07	4.21E-07	1.23E-06	3.65E-07	1.73E-07	5.38E-07
605	570486.71	4215363.21	9.20E-06	4.81E-06	1.40E-05	1.40E-06	7.32E-07	2.14E-06	6.34E-07	3.01E-07	9.35E-07
606	570486.49	4215373.04	9.19E-06	4.81E-06	1.40E-05	1.40E-06	7.31E-07	2.13E-06	6.33E-07	3.01E-07	9.34E-07

607	570486.27	4215382.87	9.16E-06	4.79E-06	1.40E-05	1.40E-06	7.29E-07	2.13E-06	6.31E-07	3.00E-07	9.32E-07
608	570486.04	4215392.71	9.12E-06	4.77E-06	1.39E-05	1.39E-06	7.25E-07	2.12E-06	6.28E-07	2.99E-07	9.27E-07
609	570485.82	4215402.54	9.05E-06	4.74E-06	1.38E-05	1.38E-06	7.20E-07	2.10E-06	6.24E-07	2.97E-07	9.20E-07
610	570485.6	4215412.37	9.00E-06	4.71E-06	1.37E-05	1.37E-06	7.16E-07	2.09E-06	6.20E-07	2.95E-07	9.15E-07
611	570484.94	4215441.87	8.78E-06	4.60E-06	1.34E-05	1.34E-06	6.99E-07	2.04E-06	6.05E-07	2.88E-07	8.93E-07
612	570484.71	4215451.7	8.68E-06	4.54E-06	1.32E-05	1.33E-06	6.91E-07	2.02E-06	5.98E-07	2.84E-07	8.82E-07
613	570484.49	4215461.53	8.56E-06	4.48E-06	1.30E-05	1.31E-06	6.81E-07	1.99E-06	5.90E-07	2.80E-07	8.70E-07
614	570484.27	4215471.37	8.42E-06	4.40E-06	1.28E-05	1.29E-06	6.70E-07	1.95E-06	5.80E-07	2.76E-07	8.56E-07
615	570484.05	4215481.2	8.25E-06	4.32E-06	1.26E-05	1.26E-06	6.57E-07	1.92E-06	5.69E-07	2.70E-07	8.39E-07
616	570476.92	4215498.04	8.14E-06	4.26E-06	1.24E-05	1.24E-06	6.48E-07	1.89E-06	5.61E-07	2.67E-07	8.27E-07
617	570470.02	4215505.04	8.19E-06	4.29E-06	1.25E-05	1.25E-06	6.52E-07	1.90E-06	5.64E-07	2.68E-07	8.33E-07
618	570463.12	4215512.05	8.25E-06	4.31E-06	1.26E-05	1.26E-06	6.56E-07	1.92E-06	5.68E-07	2.70E-07	8.38E-07
619	570456.22	4215519.05	8.29E-06	4.34E-06	1.26E-05	1.27E-06	6.60E-07	1.93E-06	5.71E-07	2.72E-07	8.43E-07
620	570449.31	4215526.06	8.32E-06	4.36E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.74E-07	2.73E-07	8.46E-07
621	570442.41	4215533.06	8.32E-06	4.35E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.73E-07	2.73E-07	8.46E-07
622	570435.51	4215540.07	8.27E-06	4.33E-06	1.26E-05	1.26E-06	6.58E-07	1.92E-06	5.70E-07	2.71E-07	8.41E-07
623	570428.6	4215547.07	8.19E-06	4.29E-06	1.25E-05	1.25E-06	6.52E-07	1.90E-06	5.65E-07	2.68E-07	8.33E-07
624	570421.7	4215554.08	8.09E-06	4.23E-06	1.23E-05	1.23E-06	6.43E-07	1.88E-06	5.57E-07	2.65E-07	8.22E-07
625	570414.8	4215561.08	7.93E-06	4.15E-06	1.21E-05	1.21E-06	6.31E-07	1.84E-06	5.47E-07	2.60E-07	8.06E-07
626	570407.9	4215568.09	7.71E-06	4.03E-06	1.17E-05	1.18E-06	6.14E-07	1.79E-06	5.31E-07	2.53E-07	7.84E-07
627	570400.99	4215575.1	7.46E-06	3.90E-06	1.14E-05	1.14E-06	5.94E-07	1.73E-06	5.14E-07	2.44E-07	7.59E-07
628	570394.09	4215582.1	7.20E-06	3.77E-06	1.10E-05	1.10E-06	5.73E-07	1.67E-06	4.96E-07	2.36E-07	7.32E-07
629	570387.19	4215589.11	6.91E-06	3.62E-06	1.05E-05	1.06E-06	5.50E-07	1.61E-06	4.76E-07	2.26E-07	7.03E-07
630	570380.29	4215596.11	6.61E-06	3.46E-06	1.01E-05	1.01E-06	5.26E-07	1.53E-06	4.55E-07	2.16E-07	6.72E-07
631	570373.38	4215603.12	6.29E-06	3.29E-06	9.58E-06	9.61E-07	5.01E-07	1.46E-06	4.34E-07	2.06E-07	6.40E-07
632	570366.48	4215610.12	5.97E-06	3.12E-06	9.09E-06	9.11E-07	4.75E-07	1.39E-06	4.11E-07	1.96E-07	6.07E-07
633	570359.58	4215617.13	5.64E-06	2.95E-06	8.59E-06	8.62E-07	4.49E-07	1.31E-06	3.89E-07	1.85E-07	5.74E-07
634	570352.67	4215624.13	5.32E-06	2.78E-06	8.10E-06	8.12E-07	4.23E-07	1.23E-06	3.66E-07	1.74E-07	5.41E-07
635	570345.77	4215631.14	5.00E-06	2.62E-06	7.61E-06	7.63E-07	3.98E-07	1.16E-06	3.44E-07	1.64E-07	5.08E-07
636	570496.11	4215358.84	8.85E-06	4.63E-06	1.35E-05	1.35E-06	7.05E-07	2.06E-06	6.10E-07	2.90E-07	9.00E-07
637	570495.89	4215368.56	8.86E-06	4.63E-06	1.35E-05	1.35E-06	7.05E-07	2.06E-06	6.10E-07	2.90E-07	9.00E-07
638	570495.67	4215378.28	8.84E-06	4.63E-06	1.35E-05	1.35E-06	7.04E-07	2.05E-06	6.09E-07	2.90E-07	8.99E-07
639	570495.45	4215388	8.81E-06	4.61E-06	1.34E-05	1.35E-06	7.01E-07	2.05E-06	6.07E-07	2.89E-07	8.96E-07
640	570495.23	4215397.72	8.77E-06	4.59E-06	1.34E-05	1.34E-06	6.98E-07	2.04E-06	6.04E-07	2.87E-07	8.92E-07
641	570495.01	4215407.44	8.72E-06	4.56E-06	1.33E-05	1.33E-06	6.94E-07	2.02E-06	6.01E-07	2.86E-07	8.86E-07
642	570494.79	4215417.16	8.66E-06	4.53E-06	1.32E-05	1.32E-06	6.89E-07	2.01E-06	5.97E-07	2.84E-07	8.81E-07
643	570494.13	4215446.32	8.42E-06	4.41E-06	1.28E-05	1.29E-06	6.70E-07	1.96E-06	5.80E-07	2.76E-07	8.56E-07
644	570493.91	4215456.04	8.32E-06	4.35E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.73E-07	2.73E-07	8.46E-07
645	570493.69	4215465.76	8.20E-06	4.29E-06	1.25E-05	1.25E-06	6.53E-07	1.91E-06	5.65E-07	2.69E-07	8.34E-07
646	570493.47	4215475.49	8.06E-06	4.22E-06	1.23E-05	1.23E-06	6.41E-07	1.87E-06	5.55E-07	2.64E-07	8.19E-07
647	570493.26	4215485.21	7.90E-06	4.14E-06	1.20E-05	1.21E-06	6.29E-07	1.84E-06	5.45E-07	2.59E-07	8.04E-07
648	570486.21	4215501.85	7.79E-06	4.08E-06	1.19E-05	1.19E-06	6.20E-07	1.81E-06	5.37E-07	2.55E-07	7.92E-07
649	570479.39	4215508.78	7.82E-06	4.09E-06	1.19E-05	1.19E-06	6.23E-07	1.82E-06	5.39E-07	2.56E-07	7.95E-07
650	570472.56	4215515.7	7.85E-06	4.10E-06	1.19E-05	1.20E-06	6.24E-07	1.82E-06	5.41E-07	2.57E-07	7.98E-07
651	570465.74	4215522.63	7.88E-06	4.12E-06	1.20E-05	1.20E-06	6.27E-07	1.83E-06	5.43E-07	2.58E-07	8.01E-07
652	570458.91	4215529.56	7.91E-06	4.14E-06	1.20E-05	1.21E-06	6.29E-07	1.84E-06	5.45E-07	2.59E-07	8.04E-07
653	570452.09	4215536.48	7.91E-06	4.14E-06	1.21E-05	1.21E-06	6.30E-07	1.84E-06	5.45E-07	2.59E-07	8.04E-07
654	570445.27	4215543.41	7.89E-06	4.13E-06	1.20E-05	1.21E-06	6.28E-07	1.83E-06	5.44E-07	2.59E-07	8.03E-07
655	570438.44	4215550.33	7.84E-06	4.10E-06	1.19E-05	1.20E-06	6.24E-07	1.82E-06	5.40E-07	2.57E-07	7.97E-07
656	570431.62	4215557.26	7.75E-06	4.05E-06	1.18E-05	1.18E-06	6.16E-07	1.80E-06	5.34E-07	2.54E-07	7.87E-07
657	570424.79	4215564.19	7.61E-06	3.98E-06	1.16E-05	1.16E-06	6.06E-07	1.77E-06	5.25E-07	2.49E-07	7.74E-07
658	570417.97	4215571.11	7.45E-06	3.90E-06	1.13E-05	1.14E-06	5.93E-07	1.73E-06	5.13E-07	2.44E-07	7.57E-07
659	570411.14	4215578.04	7.25E-06	3.79E-06	1.10E-05	1.11E-06	5.77E-07	1.68E-06	4.99E-07	2.37E-07	7.37E-07
660	570404.32	4215584.96	7.01E-06	3.67E-06	1.07E-05	1.07E-06	5.58E-07	1.63E-06	4.83E-07	2.30E-07	7.13E-07
661	570397.5	4215591.89	6.75E-06	3.53E-06	1.03E-05	1.03E-06	5.37E-07	1.57E-06	4.65E-07	2.21E-07	6.86E-07
662	570390.67	4215598.82	6.48E-06	3.39E-06	9.87E-06	9.89E-07	5.16E-07	1.50E-06	4.46E-07	2.12E-07	6.59E-07
663	570383.85	4215605.74	6.20E-06	3.24E-06	9.44E-06	9.46E-07	4.93E-07	1.44E-06	4.27E-07	2.03E-07	6.30E-07
664	570377.02	4215612.67	5.90E-06	3.09E-06	8.99E-06	9.01E-07	4.70E-07	1.37E-06	4.07E-07	1.93E-07	6.00E-07
665	570370.2	4215619.59	5.60E-06	2.93E-06	8.53E-06	8.55E-07	4.45E-07	1.30E-06	3.86E-07	1.83E-07	5.69E-07
666	570363.37	4215626.52	5.29E-06	2.77E-06	8.06E-06	8.08E-07	4.21E-07	1.23E-06	3.65E-07	1.73E-07	5.38E-07
667	570356.55	4215633.44	4.99E-06	2.61E-06	7.61E-06	7.62E-07	3.97E-07	1.16E-06	3.44E-07	1.64E-07	5.08E-07

668	570349.73	4215640.37	4.70E-06	2.46E-06	7.16E-06	7.18E-07	3.74E-07	1.09E-06	3.24E-07	1.54E-07	4.78E-07
669	570505.5	4215354.54	8.53E-06	4.46E-06	1.30E-05	1.30E-06	6.78E-07	1.98E-06	5.88E-07	2.79E-07	8.67E-07
670	570505.28	4215364.16	8.54E-06	4.47E-06	1.30E-05	1.30E-06	6.79E-07	1.98E-06	5.88E-07	2.80E-07	8.68E-07
671	570505.07	4215373.78	8.53E-06	4.46E-06	1.30E-05	1.30E-06	6.79E-07	1.98E-06	5.88E-07	2.80E-07	8.68E-07
672	570504.85	4215383.4	8.52E-06	4.46E-06	1.30E-05	1.30E-06	6.78E-07	1.98E-06	5.87E-07	2.79E-07	8.66E-07
673	570504.63	4215393.02	8.49E-06	4.44E-06	1.29E-05	1.30E-06	6.76E-07	1.97E-06	5.85E-07	2.78E-07	8.63E-07
674	570504.42	4215402.64	8.45E-06	4.42E-06	1.29E-05	1.29E-06	6.73E-07	1.96E-06	5.82E-07	2.77E-07	8.59E-07
675	570504.2	4215412.26	8.40E-06	4.39E-06	1.28E-05	1.28E-06	6.68E-07	1.95E-06	5.79E-07	2.75E-07	8.54E-07
676	570503.55	4215441.11	8.17E-06	4.27E-06	1.24E-05	1.25E-06	6.50E-07	1.90E-06	5.63E-07	2.68E-07	8.31E-07
677	570503.33	4215450.73	8.08E-06	4.23E-06	1.23E-05	1.23E-06	6.43E-07	1.88E-06	5.57E-07	2.65E-07	8.22E-07
678	570503.11	4215460.35	7.98E-06	4.18E-06	1.22E-05	1.22E-06	6.35E-07	1.85E-06	5.50E-07	2.61E-07	8.11E-07
679	570502.9	4215469.97	7.86E-06	4.11E-06	1.20E-05	1.20E-06	6.26E-07	1.83E-06	5.42E-07	2.58E-07	7.99E-07
680	570502.68	4215479.59	7.72E-06	4.04E-06	1.18E-05	1.18E-06	6.15E-07	1.79E-06	5.32E-07	2.53E-07	7.85E-07
681	570502.46	4215489.2	7.57E-06	3.96E-06	1.15E-05	1.16E-06	6.03E-07	1.76E-06	5.22E-07	2.48E-07	7.70E-07
682	570495.49	4215505.68	7.46E-06	3.91E-06	1.14E-05	1.14E-06	5.94E-07	1.73E-06	5.14E-07	2.45E-07	7.59E-07
683	570488.74	4215512.53	7.50E-06	3.92E-06	1.14E-05	1.14E-06	5.97E-07	1.74E-06	5.17E-07	2.46E-07	7.62E-07
684	570481.99	4215519.38	7.51E-06	3.93E-06	1.14E-05	1.15E-06	5.98E-07	1.74E-06	5.18E-07	2.46E-07	7.64E-07
685	570475.23	4215526.24	7.51E-06	3.93E-06	1.14E-05	1.15E-06	5.97E-07	1.74E-06	5.17E-07	2.46E-07	7.63E-07
686	570468.48	4215533.09	7.52E-06	3.93E-06	1.15E-05	1.15E-06	5.98E-07	1.75E-06	5.18E-07	2.46E-07	7.64E-07
687	570461.73	4215539.94	7.52E-06	3.94E-06	1.15E-05	1.15E-06	5.99E-07	1.75E-06	5.18E-07	2.46E-07	7.65E-07
688	570454.98	4215546.8	7.51E-06	3.93E-06	1.14E-05	1.15E-06	5.98E-07	1.74E-06	5.18E-07	2.46E-07	7.64E-07
689	570448.22	4215553.65	7.48E-06	3.91E-06	1.14E-05	1.14E-06	5.95E-07	1.74E-06	5.15E-07	2.45E-07	7.60E-07
690	570441.47	4215560.5	7.41E-06	3.88E-06	1.13E-05	1.13E-06	5.90E-07	1.72E-06	5.11E-07	2.43E-07	7.54E-07
691	570434.72	4215567.36	7.30E-06	3.82E-06	1.11E-05	1.12E-06	5.81E-07	1.70E-06	5.03E-07	2.39E-07	7.42E-07
692	570427.97	4215574.21	7.17E-06	3.75E-06	1.09E-05	1.09E-06	5.70E-07	1.66E-06	4.94E-07	2.35E-07	7.28E-07
693	570421.21	4215581.06	7.00E-06	3.66E-06	1.07E-05	1.07E-06	5.57E-07	1.63E-06	4.83E-07	2.29E-07	7.12E-07
694	570414.46	4215587.92	6.81E-06	3.56E-06	1.04E-05	1.04E-06	5.42E-07	1.58E-06	4.70E-07	2.23E-07	6.93E-07
695	570407.71	4215594.77	6.58E-06	3.44E-06	1.00E-05	1.00E-06	5.24E-07	1.53E-06	4.53E-07	2.16E-07	6.69E-07
696	570400.96	4215601.62	6.33E-06	3.31E-06	9.65E-06	9.67E-07	5.04E-07	1.47E-06	4.37E-07	2.08E-07	6.44E-07
697	570394.2	4215608.47	6.08E-06	3.18E-06	9.26E-06	9.28E-07	4.84E-07	1.41E-06	4.19E-07	1.99E-07	6.18E-07
698	570387.45	4215615.33	5.82E-06	3.04E-06	8.86E-06	8.88E-07	4.63E-07	1.35E-06	4.01E-07	1.91E-07	5.91E-07
699	570380.7	4215622.18	5.54E-06	2.90E-06	8.43E-06	8.46E-07	4.41E-07	1.29E-06	3.82E-07	1.81E-07	5.63E-07
700	570373.94	4215629.03	5.25E-06	2.75E-06	8.00E-06	8.02E-07	4.18E-07	1.22E-06	3.62E-07	1.72E-07	5.34E-07
701	570367.19	4215635.89	4.97E-06	2.60E-06	7.57E-06	7.59E-07	3.96E-07	1.15E-06	3.43E-07	1.63E-07	5.05E-07
702	570360.44	4215642.74	4.70E-06	2.46E-06	7.15E-06	7.17E-07	3.74E-07	1.09E-06	3.24E-07	1.54E-07	4.77E-07
703	570353.69	4215649.59	4.43E-06	2.32E-06	6.74E-06	6.76E-07	3.52E-07	1.03E-06	3.05E-07	1.45E-07	4.50E-07
704	570514.89	4215350.32	8.21E-06	4.30E-06	1.25E-05	1.25E-06	6.54E-07	1.91E-06	5.66E-07	2.69E-07	8.35E-07
705	570514.68	4215359.84	8.23E-06	4.31E-06	1.25E-05	1.26E-06	6.55E-07	1.91E-06	5.67E-07	2.70E-07	8.37E-07
706	570514.46	4215369.37	8.23E-06	4.31E-06	1.25E-05	1.26E-06	6.55E-07	1.91E-06	5.67E-07	2.70E-07	8.37E-07
707	570514.25	4215378.89	8.23E-06	4.31E-06	1.25E-05	1.26E-06	6.55E-07	1.91E-06	5.67E-07	2.70E-07	8.37E-07
708	570514.03	4215388.42	8.21E-06	4.30E-06	1.25E-05	1.25E-06	6.53E-07	1.91E-06	5.66E-07	2.69E-07	8.35E-07
709	570513.82	4215397.94	8.18E-06	4.28E-06	1.25E-05	1.25E-06	6.51E-07	1.90E-06	5.64E-07	2.68E-07	8.32E-07
710	570513.6	4215407.47	8.14E-06	4.26E-06	1.24E-05	1.24E-06	6.48E-07	1.89E-06	5.61E-07	2.67E-07	8.28E-07
711	570513.39	4215416.99	8.09E-06	4.23E-06	1.23E-05	1.24E-06	6.44E-07	1.88E-06	5.57E-07	2.65E-07	8.23E-07
712	570512.74	4215445.57	7.87E-06	4.12E-06	1.20E-05	1.20E-06	6.27E-07	1.83E-06	5.43E-07	2.58E-07	8.00E-07
713	570512.53	4215455.09	7.78E-06	4.07E-06	1.19E-05	1.19E-06	6.19E-07	1.81E-06	5.36E-07	2.55E-07	7.91E-07
714	570512.31	4215464.62	7.68E-06	4.02E-06	1.17E-05	1.17E-06	6.11E-07	1.78E-06	5.30E-07	2.52E-07	7.81E-07
715	570512.1	4215474.14	7.57E-06	3.96E-06	1.15E-05	1.16E-06	6.02E-07	1.76E-06	5.22E-07	2.48E-07	7.69E-07
716	570511.88	4215483.67	7.44E-06	3.89E-06	1.13E-05	1.14E-06	5.92E-07	1.73E-06	5.13E-07	2.44E-07	7.57E-07
717	570511.67	4215493.2	7.30E-06	3.82E-06	1.11E-05	1.12E-06	5.81E-07	1.70E-06	5.03E-07	2.39E-07	7.43E-07
718	570504.77	4215509.51	7.17E-06	3.75E-06	1.09E-05	1.09E-06	5.70E-07	1.66E-06	4.94E-07	2.35E-07	7.29E-07
719	570498.08	4215516.29	7.19E-06	3.76E-06	1.10E-05	1.10E-06	5.72E-07	1.67E-06	4.96E-07	2.36E-07	7.31E-07
720	570491.39	4215523.08	7.21E-06	3.77E-06	1.10E-05	1.10E-06	5.73E-07	1.67E-06	4.97E-07	2.36E-07	7.33E-07
721	570484.71	4215529.87	7.21E-06	3.77E-06	1.10E-05	1.10E-06	5.73E-07	1.67E-06	4.97E-07	2.36E-07	7.33E-07
722	570478.02	4215536.65	7.19E-06	3.76E-06	1.09E-05	1.10E-06	5.72E-07	1.67E-06	4.95E-07	2.35E-07	7.31E-07
723	570471.33	4215543.44	7.16E-06	3.75E-06	1.09E-05	1.09E-06	5.70E-07	1.66E-06	4.93E-07	2.35E-07	7.28E-07
724	570464.65	4215550.23	7.15E-06	3.74E-06	1.09E-05	1.09E-06	5.69E-07	1.66E-06	4.93E-07	2.34E-07	7.27E-07
725	570457.96	4215557.01	7.13E-06	3.73E-06	1.09E-05	1.09E-06	5.67E-07	1.65E-06	4.91E-07	2.33E-07	7.24E-07
726	570451.27	4215563.8	7.08E-06	3.70E-06	1.08E-05	1.08E-06	5.63E-07	1.64E-06	4.88E-07	2.32E-07	7.19E-07
727	570444.58	4215570.59	7.00E-06	3.66E-06	1.07E-05	1.07E-06	5.57E-07	1.63E-06	4.82E-07	2.29E-07	7.12E-07
728	570437.9	4215577.37	6.89E-06	3.60E-06	1.05E-05	1.05E-06	5.48E-07	1.60E-06	4.75E-07	2.26E-07	7.00E-07

729	570431.21	4215584.16	6.75E-06	3.53E-06	1.03E-05	1.03E-06	5.37E-07	1.57E-06	4.65E-07	2.21E-07	6.86E-07
730	570424.52	4215590.95	6.58E-06	3.44E-06	1.00E-05	1.00E-06	5.24E-07	1.53E-06	4.54E-07	2.16E-07	6.69E-07
731	570417.84	4215597.73	6.39E-06	3.34E-06	9.74E-06	9.76E-07	5.09E-07	1.48E-06	4.41E-07	2.09E-07	6.50E-07
732	570411.15	4215604.52	6.18E-06	3.23E-06	9.42E-06	9.44E-07	4.92E-07	1.44E-06	4.26E-07	2.02E-07	6.28E-07
733	570404.46	4215611.31	5.95E-06	3.11E-06	9.06E-06	9.08E-07	4.73E-07	1.38E-06	4.10E-07	1.95E-07	6.05E-07
734	570397.78	4215618.09	5.71E-06	2.99E-06	8.69E-06	8.72E-07	4.54E-07	1.33E-06	3.93E-07	1.87E-07	5.80E-07
735	570391.09	4215624.88	5.45E-06	2.85E-06	8.31E-06	8.33E-07	4.34E-07	1.27E-06	3.76E-07	1.79E-07	5.55E-07
736	570384.4	4215631.67	5.20E-06	2.72E-06	7.92E-06	7.94E-07	4.14E-07	1.21E-06	3.58E-07	1.70E-07	5.29E-07
737	570377.71	4215638.45	4.94E-06	2.58E-06	7.52E-06	7.54E-07	3.93E-07	1.15E-06	3.40E-07	1.62E-07	5.02E-07
738	570371.03	4215645.24	4.68E-06	2.45E-06	7.12E-06	7.14E-07	3.72E-07	1.09E-06	3.22E-07	1.53E-07	4.75E-07
739	570364.34	4215652.03	4.42E-06	2.31E-06	6.73E-06	6.75E-07	3.52E-07	1.03E-06	3.04E-07	1.45E-07	4.49E-07
740	570357.65	4215658.81	4.17E-06	2.18E-06	6.35E-06	6.36E-07	3.32E-07	9.68E-07	2.87E-07	1.37E-07	4.24E-07
741	569937.09	4214979.91	2.94E-06	1.54E-06	4.48E-06	4.49E-07	2.34E-07	6.83E-07	2.03E-07	9.63E-08	2.99E-07
742	569941.77	4214988.41	3.15E-06	1.65E-06	4.80E-06	4.81E-07	2.51E-07	7.31E-07	2.17E-07	1.03E-07	3.20E-07
743	569895.61	4214925.21	2.12E-06	1.11E-06	3.24E-06	3.24E-07	1.69E-07	4.94E-07	1.46E-07	6.96E-08	2.16E-07
744	569900.28	4214933.71	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.11E-07	1.51E-07	7.20E-08	2.23E-07
745	569904.96	4214942.22	2.29E-06	1.20E-06	3.48E-06	3.49E-07	1.82E-07	5.31E-07	1.58E-07	7.49E-08	2.32E-07
746	569909.63	4214950.72	2.39E-06	1.25E-06	3.64E-06	3.65E-07	1.90E-07	5.55E-07	1.65E-07	7.83E-08	2.43E-07
747	569914.31	4214959.22	2.52E-06	1.32E-06	3.83E-06	3.84E-07	2.00E-07	5.84E-07	1.73E-07	8.24E-08	2.56E-07
748	569918.98	4214967.72	2.67E-06	1.40E-06	4.07E-06	4.08E-07	2.12E-07	6.20E-07	1.84E-07	8.75E-08	2.71E-07
749	569923.66	4214976.22	2.84E-06	1.49E-06	4.33E-06	4.34E-07	2.26E-07	6.60E-07	1.96E-07	9.31E-08	2.89E-07
750	569928.33	4214984.73	3.03E-06	1.59E-06	4.62E-06	4.63E-07	2.41E-07	7.05E-07	2.09E-07	9.94E-08	3.09E-07
751	569933.01	4214993.23	3.26E-06	1.71E-06	4.96E-06	4.98E-07	2.59E-07	7.57E-07	2.25E-07	1.07E-07	3.31E-07
752	569877.5	4214913.03	2.04E-06	1.07E-06	3.11E-06	3.12E-07	1.63E-07	4.75E-07	1.41E-07	6.70E-08	2.08E-07
753	569882.17	4214921.53	2.10E-06	1.10E-06	3.20E-06	3.21E-07	1.67E-07	4.88E-07	1.45E-07	6.88E-08	2.14E-07
754	569886.85	4214930.03	2.17E-06	1.13E-06	3.30E-06	3.31E-07	1.73E-07	5.04E-07	1.49E-07	7.10E-08	2.20E-07
755	569891.52	4214938.53	2.25E-06	1.18E-06	3.42E-06	3.43E-07	1.79E-07	5.22E-07	1.55E-07	7.36E-08	2.28E-07
756	569896.19	4214947.03	2.34E-06	1.22E-06	3.56E-06	3.57E-07	1.86E-07	5.44E-07	1.61E-07	7.67E-08	2.38E-07
757	569900.87	4214955.54	2.45E-06	1.28E-06	3.73E-06	3.74E-07	1.95E-07	5.69E-07	1.69E-07	8.03E-08	2.49E-07
758	569905.54	4214964.04	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.03E-07	1.79E-07	8.50E-08	2.64E-07
759	569910.22	4214972.54	2.76E-06	1.44E-06	4.20E-06	4.21E-07	2.19E-07	6.40E-07	1.90E-07	9.03E-08	2.80E-07
760	569914.89	4214981.04	2.94E-06	1.54E-06	4.47E-06	4.48E-07	2.34E-07	6.82E-07	2.02E-07	9.62E-08	2.98E-07
761	569919.57	4214989.54	3.14E-06	1.64E-06	4.79E-06	4.80E-07	2.50E-07	7.30E-07	2.17E-07	1.03E-07	3.19E-07
762	569924.24	4214998.05	3.38E-06	1.77E-06	5.15E-06	5.17E-07	2.69E-07	7.86E-07	2.33E-07	1.11E-07	3.44E-07
763	569928.92	4215006.55	3.66E-06	1.91E-06	5.57E-06	5.58E-07	2.91E-07	8.49E-07	2.52E-07	1.20E-07	3.72E-07
764	569868.73	4214917.84	2.08E-06	1.09E-06	3.18E-06	3.18E-07	1.66E-07	4.84E-07	1.44E-07	6.83E-08	2.12E-07
765	569873.41	4214926.35	2.14E-06	1.12E-06	3.27E-06	3.27E-07	1.71E-07	4.98E-07	1.48E-07	7.02E-08	2.18E-07
766	569878.08	4214934.85	2.21E-06	1.16E-06	3.37E-06	3.38E-07	1.76E-07	5.14E-07	1.53E-07	7.25E-08	2.25E-07
767	569882.76	4214943.35	2.30E-06	1.20E-06	3.50E-06	3.51E-07	1.83E-07	5.34E-07	1.58E-07	7.53E-08	2.34E-07
768	569887.43	4214951.85	2.40E-06	1.26E-06	3.65E-06	3.66E-07	1.91E-07	5.57E-07	1.65E-07	7.86E-08	2.44E-07
769	569892.11	4214960.35	2.53E-06	1.32E-06	3.85E-06	3.86E-07	2.01E-07	5.87E-07	1.74E-07	8.28E-08	2.57E-07
770	569896.78	4214968.86	2.68E-06	1.40E-06	4.08E-06	4.09E-07	2.13E-07	6.22E-07	1.85E-07	8.78E-08	2.72E-07
771	569901.46	4214977.36	2.85E-06	1.49E-06	4.34E-06	4.35E-07	2.27E-07	6.62E-07	1.96E-07	9.33E-08	2.90E-07
772	569906.13	4214985.86	3.04E-06	1.59E-06	4.62E-06	4.63E-07	2.42E-07	7.05E-07	2.09E-07	9.94E-08	3.09E-07
773	569910.81	4214994.36	3.26E-06	1.71E-06	4.97E-06	4.98E-07	2.59E-07	7.57E-07	2.25E-07	1.07E-07	3.32E-07
774	569915.48	4215002.86	3.52E-06	1.84E-06	5.36E-06	5.37E-07	2.80E-07	8.17E-07	2.42E-07	1.15E-07	3.57E-07
775	569920.15	4215011.37	3.81E-06	1.99E-06	5.80E-06	5.81E-07	3.03E-07	8.84E-07	2.62E-07	1.25E-07	3.87E-07
776	569859.97	4214922.66	2.13E-06	1.11E-06	3.25E-06	3.25E-07	1.70E-07	4.95E-07	1.47E-07	6.98E-08	2.17E-07
777	569864.65	4214931.16	2.19E-06	1.15E-06	3.34E-06	3.34E-07	1.74E-07	5.09E-07	1.51E-07	7.17E-08	2.23E-07
778	569869.32	4214939.67	2.26E-06	1.18E-06	3.45E-06	3.46E-07	1.80E-07	5.26E-07	1.56E-07	7.41E-08	2.30E-07
779	569873.99	4214948.17	2.35E-06	1.23E-06	3.58E-06	3.59E-07	1.87E-07	5.47E-07	1.62E-07	7.71E-08	2.39E-07
780	569878.67	4214956.67	2.46E-06	1.29E-06	3.75E-06	3.76E-07	1.96E-07	5.72E-07	1.70E-07	8.07E-08	2.51E-07
781	569883.34	4214965.17	2.61E-06	1.36E-06	3.97E-06	3.98E-07	2.08E-07	6.06E-07	1.80E-07	8.54E-08	2.65E-07
782	569888.02	4214973.67	2.77E-06	1.45E-06	4.22E-06	4.23E-07	2.20E-07	6.43E-07	1.91E-07	9.07E-08	2.81E-07
783	569892.69	4214982.18	2.95E-06	1.54E-06	4.49E-06	4.50E-07	2.34E-07	6.84E-07	2.03E-07	9.65E-08	3.00E-07
784	569897.37	4214990.68	3.15E-06	1.65E-06	4.80E-06	4.81E-07	2.51E-07	7.31E-07	2.17E-07	1.03E-07	3.20E-07
785	569902.04	4214999.18	3.39E-06	1.77E-06	5.16E-06	5.17E-07	2.70E-07	7.87E-07	2.33E-07	1.11E-07	3.44E-07
786	569906.72	4215007.68	3.66E-06	1.91E-06	5.57E-06	5.59E-07	2.91E-07	8.50E-07	2.52E-07	1.20E-07	3.72E-07
787	569911.39	4215016.18	3.97E-06	2.08E-06	6.04E-06	6.06E-07	3.16E-07	9.21E-07	2.73E-07	1.30E-07	4.03E-07
788	569851.21	4214927.48	2.18E-06	1.14E-06	3.32E-06	3.32E-07	1.73E-07	5.06E-07	1.50E-07	7.13E-08	2.21E-07
789	569855.88	4214935.98	2.24E-06	1.17E-06	3.41E-06	3.42E-07	1.78E-07	5.20E-07	1.54E-07	7.33E-08	2.28E-07

790	569860.56	4214944.48	2.32E-06	1.21E-06	3.53E-06	3.54E-07	1.84E-07	5.38E-07	1.60E-07	7.59E-08	2.36E-07
791	569865.23	4214952.99	2.42E-06	1.26E-06	3.68E-06	3.69E-07	1.92E-07	5.61E-07	1.67E-07	7.91E-08	2.46E-07
792	569869.91	4214961.49	2.54E-06	1.33E-06	3.87E-06	3.88E-07	2.02E-07	5.91E-07	1.75E-07	8.33E-08	2.59E-07
793	569874.58	4214969.99	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.26E-07	1.86E-07	8.82E-08	2.74E-07
794	569879.26	4214978.49	2.86E-06	1.50E-06	4.36E-06	4.37E-07	2.28E-07	6.65E-07	1.97E-07	9.37E-08	2.91E-07
795	569883.93	4214986.99	3.05E-06	1.59E-06	4.64E-06	4.65E-07	2.42E-07	7.07E-07	2.10E-07	9.98E-08	3.10E-07
796	569888.6	4214995.5	3.27E-06	1.71E-06	4.98E-06	4.99E-07	2.60E-07	7.60E-07	2.25E-07	1.07E-07	3.33E-07
797	569893.28	4215004	3.52E-06	1.84E-06	5.37E-06	5.38E-07	2.80E-07	8.18E-07	2.43E-07	1.15E-07	3.58E-07
798	569897.95	4215012.5	3.81E-06	1.99E-06	5.80E-06	5.82E-07	3.03E-07	8.85E-07	2.62E-07	1.25E-07	3.87E-07
799	569902.63	4215021	4.13E-06	2.16E-06	6.30E-06	6.31E-07	3.29E-07	9.60E-07	2.85E-07	1.35E-07	4.20E-07
800	569842.45	4214932.3	2.22E-06	1.16E-06	3.38E-06	3.39E-07	1.77E-07	5.16E-07	1.53E-07	7.27E-08	2.26E-07
801	569847.12	4214940.8	2.29E-06	1.20E-06	3.48E-06	3.49E-07	1.82E-07	5.31E-07	1.58E-07	7.49E-08	2.33E-07
802	569851.79	4214949.3	2.37E-06	1.24E-06	3.62E-06	3.62E-07	1.89E-07	5.51E-07	1.64E-07	7.78E-08	2.41E-07
803	569856.47	4214957.8	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.98E-07	5.77E-07	1.71E-07	8.14E-08	2.53E-07
804	569861.14	4214966.31	2.63E-06	1.37E-06	4.00E-06	4.01E-07	2.09E-07	6.10E-07	1.81E-07	8.60E-08	2.67E-07
805	569865.82	4214974.81	2.78E-06	1.46E-06	4.24E-06	4.25E-07	2.21E-07	6.46E-07	1.92E-07	9.11E-08	2.83E-07
806	569870.49	4214983.31	2.96E-06	1.55E-06	4.50E-06	4.51E-07	2.35E-07	6.87E-07	2.04E-07	9.68E-08	3.01E-07
807	569875.17	4214991.81	3.16E-06	1.65E-06	4.81E-06	4.82E-07	2.51E-07	7.34E-07	2.18E-07	1.03E-07	3.21E-07
808	569879.84	4215000.31	3.40E-06	1.78E-06	5.17E-06	5.19E-07	2.70E-07	7.89E-07	2.34E-07	1.11E-07	3.45E-07
809	569884.52	4215008.82	3.66E-06	1.92E-06	5.58E-06	5.60E-07	2.92E-07	8.51E-07	2.53E-07	1.20E-07	3.73E-07
810	569889.19	4215017.32	3.97E-06	2.08E-06	6.04E-06	6.06E-07	3.16E-07	9.21E-07	2.73E-07	1.30E-07	4.03E-07
811	569893.87	4215025.82	4.31E-06	2.25E-06	6.56E-06	6.58E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.38E-07
812	569833.68	4214937.12	2.27E-06	1.19E-06	3.45E-06	3.46E-07	1.80E-07	5.27E-07	1.56E-07	7.43E-08	2.31E-07
813	569838.36	4214945.62	2.34E-06	1.22E-06	3.57E-06	3.57E-07	1.86E-07	5.44E-07	1.61E-07	7.67E-08	2.38E-07
814	569843.03	4214954.12	2.43E-06	1.27E-06	3.71E-06	3.72E-07	1.94E-07	5.65E-07	1.68E-07	7.97E-08	2.47E-07
815	569847.71	4214962.62	2.56E-06	1.34E-06	3.90E-06	3.91E-07	2.04E-07	5.95E-07	1.76E-07	8.39E-08	2.60E-07
816	569852.38	4214971.12	2.71E-06	1.42E-06	4.12E-06	4.13E-07	2.15E-07	6.29E-07	1.87E-07	8.87E-08	2.75E-07
817	569857.06	4214979.63	2.87E-06	1.50E-06	4.37E-06	4.38E-07	2.28E-07	6.67E-07	1.98E-07	9.41E-08	2.92E-07
818	569861.73	4214988.13	3.05E-06	1.60E-06	4.65E-06	4.66E-07	2.43E-07	7.10E-07	2.11E-07	1.00E-07	3.11E-07
819	569866.4	4214996.63	3.28E-06	1.71E-06	4.99E-06	5.00E-07	2.61E-07	7.61E-07	2.26E-07	1.07E-07	3.33E-07
820	569871.08	4215005.13	3.53E-06	1.85E-06	5.37E-06	5.39E-07	2.81E-07	8.19E-07	2.43E-07	1.16E-07	3.59E-07
821	569875.75	4215013.63	3.81E-06	1.99E-06	5.80E-06	5.82E-07	3.03E-07	8.85E-07	2.62E-07	1.25E-07	3.87E-07
822	569880.43	4215022.14	4.13E-06	2.16E-06	6.29E-06	6.30E-07	3.28E-07	9.58E-07	2.84E-07	1.35E-07	4.20E-07
823	569885.1	4215030.64	4.49E-06	2.35E-06	6.83E-06	6.85E-07	3.57E-07	1.04E-06	3.09E-07	1.47E-07	4.56E-07
824	569941.2	4215132.66	2.70E-05	1.41E-05	4.11E-05	4.12E-06	2.15E-06	6.27E-06	1.86E-06	8.84E-07	2.74E-06
825	569945.87	4215141.16	3.01E-05	1.58E-05	4.59E-05	4.60E-06	2.40E-06	6.99E-06	2.07E-06	9.86E-07	3.06E-06
826	569950.55	4215149.66	3.31E-05	1.73E-05	5.05E-05	5.06E-06	2.64E-06	7.70E-06	2.28E-06	1.09E-06	3.37E-06
827	569824.92	4214941.93	2.32E-06	1.21E-06	3.53E-06	3.54E-07	1.84E-07	5.38E-07	1.60E-07	7.59E-08	2.36E-07
828	569829.59	4214950.44	2.40E-06	1.25E-06	3.65E-06	3.66E-07	1.91E-07	5.57E-07	1.65E-07	7.86E-08	2.44E-07
829	569834.27	4214958.94	2.51E-06	1.31E-06	3.82E-06	3.83E-07	1.99E-07	5.82E-07	1.73E-07	8.21E-08	2.55E-07
830	569838.94	4214967.44	2.64E-06	1.38E-06	4.02E-06	4.03E-07	2.10E-07	6.13E-07	1.82E-07	8.65E-08	2.68E-07
831	569843.62	4214975.94	2.79E-06	1.46E-06	4.25E-06	4.26E-07	2.22E-07	6.48E-07	1.92E-07	9.14E-08	2.84E-07
832	569848.29	4214984.44	2.96E-06	1.55E-06	4.51E-06	4.52E-07	2.36E-07	6.87E-07	2.04E-07	9.70E-08	3.01E-07
833	569852.97	4214992.95	3.16E-06	1.65E-06	4.82E-06	4.83E-07	2.52E-07	7.35E-07	2.18E-07	1.04E-07	3.22E-07
834	569857.64	4215001.45	3.40E-06	1.78E-06	5.17E-06	5.19E-07	2.70E-07	7.89E-07	2.34E-07	1.11E-07	3.45E-07
835	569862.32	4215009.95	3.66E-06	1.91E-06	5.57E-06	5.59E-07	2.91E-07	8.50E-07	2.52E-07	1.20E-07	3.72E-07
836	569866.99	4215018.45	3.96E-06	2.07E-06	6.02E-06	6.04E-07	3.15E-07	9.19E-07	2.73E-07	1.30E-07	4.02E-07
837	569871.67	4215026.95	4.29E-06	2.24E-06	6.53E-06	6.54E-07	3.41E-07	9.95E-07	2.95E-07	1.40E-07	4.36E-07
838	569876.34	4215035.46	4.66E-06	2.44E-06	7.10E-06	7.12E-07	3.71E-07	1.08E-06	3.21E-07	1.53E-07	4.74E-07
839	569927.76	4215128.98	2.33E-05	1.22E-05	3.55E-05	3.56E-06	1.86E-06	5.42E-06	1.61E-06	7.64E-07	2.37E-06
840	569932.44	4215137.48	2.60E-05	1.36E-05	3.96E-05	3.97E-06	2.07E-06	6.04E-06	1.79E-06	8.52E-07	2.64E-06
841	569937.11	4215145.98	2.86E-05	1.50E-05	4.36E-05	4.37E-06	2.28E-06	6.65E-06	1.97E-06	9.38E-07	2.91E-06
842	569941.78	4215154.48	3.12E-05	1.63E-05	4.76E-05	4.77E-06	2.48E-06	7.25E-06	2.15E-06	1.02E-06	3.17E-06
843	569816.16	4214946.75	2.37E-06	1.24E-06	3.61E-06	3.62E-07	1.88E-07	5.50E-07	1.63E-07	7.76E-08	2.41E-07
844	569820.83	4214955.25	2.46E-06	1.29E-06	3.74E-06	3.75E-07	1.96E-07	5.71E-07	1.69E-07	8.05E-08	2.50E-07
845	569825.51	4214963.76	2.58E-06	1.35E-06	3.93E-06	3.94E-07	2.05E-07	5.99E-07	1.78E-07	8.45E-08	2.62E-07
846	569830.18	4214972.26	2.72E-06	1.42E-06	4.14E-06	4.15E-07	2.16E-07	6.32E-07	1.87E-07	8.91E-08	2.76E-07
847	569834.86	4214980.76	2.88E-06	1.50E-06	4.38E-06	4.39E-07	2.29E-07	6.68E-07	1.98E-07	9.42E-08	2.92E-07
848	569839.53	4214989.26	3.06E-06	1.60E-06	4.66E-06	4.67E-07	2.43E-07	7.10E-07	2.11E-07	1.00E-07	3.11E-07
849	569844.2	4214997.76	3.27E-06	1.71E-06	4.98E-06	5.00E-07	2.60E-07	7.60E-07	2.26E-07	1.07E-07	3.33E-07
850	569848.88	4215006.27	3.52E-06	1.84E-06	5.36E-06	5.37E-07	2.80E-07	8.17E-07	2.42E-07	1.15E-07	3.58E-07

851	569853.55	4215014.77	3.79E-06	1.99E-06	5.78E-06	5.79E-07	3.02E-07	8.81E-07	2.61E-07	1.24E-07	3.86E-07
852	569858.23	4215023.27	4.10E-06	2.14E-06	6.24E-06	6.26E-07	3.26E-07	9.52E-07	2.82E-07	1.34E-07	4.17E-07
853	569862.9	4215031.77	4.44E-06	2.32E-06	6.77E-06	6.78E-07	3.53E-07	1.03E-06	3.06E-07	1.46E-07	4.52E-07
854	569914.32	4215125.29	1.94E-05	1.01E-05	2.95E-05	2.96E-06	1.54E-06	4.50E-06	1.34E-06	6.35E-07	1.97E-06
855	569919	4215133.79	2.28E-05	1.19E-05	3.48E-05	3.49E-06	1.82E-06	5.30E-06	1.57E-06	7.48E-07	2.32E-06
856	569923.67	4215142.3	2.49E-05	1.30E-05	3.79E-05	3.80E-06	1.98E-06	5.79E-06	1.72E-06	8.16E-07	2.53E-06
857	569928.35	4215150.8	2.72E-05	1.42E-05	4.15E-05	4.16E-06	2.17E-06	6.32E-06	1.88E-06	8.92E-07	2.77E-06
858	569933.02	4215159.3	2.94E-05	1.54E-05	4.48E-05	4.49E-06	2.34E-06	6.83E-06	2.03E-06	9.64E-07	2.99E-06
859	569802.72	4214943.07	2.35E-06	1.23E-06	3.58E-06	3.59E-07	1.87E-07	5.46E-07	1.62E-07	7.70E-08	2.39E-07
860	569807.39	4214951.57	2.43E-06	1.27E-06	3.70E-06	3.70E-07	1.93E-07	5.64E-07	1.67E-07	7.95E-08	2.47E-07
861	569812.07	4214960.07	2.53E-06	1.32E-06	3.85E-06	3.86E-07	2.01E-07	5.87E-07	1.74E-07	8.28E-08	2.57E-07
862	569816.74	4214968.57	2.65E-06	1.39E-06	4.04E-06	4.05E-07	2.11E-07	6.16E-07	1.83E-07	8.69E-08	2.70E-07
863	569821.42	4214977.08	2.80E-06	1.46E-06	4.26E-06	4.27E-07	2.23E-07	6.50E-07	1.93E-07	9.17E-08	2.84E-07
864	569826.09	4214985.58	2.96E-06	1.55E-06	4.51E-06	4.52E-07	2.36E-07	6.87E-07	2.04E-07	9.70E-08	3.01E-07
865	569830.77	4214994.08	3.16E-06	1.65E-06	4.81E-06	4.82E-07	2.51E-07	7.33E-07	2.18E-07	1.03E-07	3.21E-07
866	569835.44	4215002.58	3.38E-06	1.77E-06	5.15E-06	5.17E-07	2.69E-07	7.86E-07	2.33E-07	1.11E-07	3.44E-07
867	569840.12	4215011.08	3.64E-06	1.90E-06	5.54E-06	5.56E-07	2.90E-07	8.45E-07	2.51E-07	1.19E-07	3.70E-07
868	569844.79	4215019.59	3.93E-06	2.05E-06	5.98E-06	5.99E-07	3.12E-07	9.12E-07	2.70E-07	1.29E-07	3.99E-07
869	569849.47	4215028.09	4.24E-06	2.22E-06	6.46E-06	6.47E-07	3.37E-07	9.85E-07	2.92E-07	1.39E-07	4.31E-07
870	569854.14	4215036.59	4.59E-06	2.40E-06	7.00E-06	7.01E-07	3.66E-07	1.07E-06	3.17E-07	1.50E-07	4.67E-07
871	569905.56	4215130.11	1.92E-05	1.00E-05	2.92E-05	2.93E-06	1.53E-06	4.46E-06	1.32E-06	6.29E-07	1.95E-06
872	569910.24	4215138.61	2.22E-05	1.16E-05	3.38E-05	3.39E-06	1.76E-06	5.15E-06	1.53E-06	7.26E-07	2.25E-06
873	569914.91	4215147.11	2.39E-05	1.25E-05	3.63E-05	3.64E-06	1.90E-06	5.54E-06	1.64E-06	7.81E-07	2.43E-06
874	569919.58	4215155.62	2.59E-05	1.35E-05	3.94E-05	3.95E-06	2.06E-06	6.02E-06	1.78E-06	8.48E-07	2.63E-06
875	569924.26	4215164.12	2.78E-05	1.45E-05	4.23E-05	4.24E-06	2.21E-06	6.45E-06	1.91E-06	9.09E-07	2.82E-06
876	569792.9	4214938.94	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.86E-07	5.42E-07	1.61E-07	7.65E-08	2.37E-07
877	569793.96	4214947.89	2.41E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.59E-07	1.66E-07	7.88E-08	2.45E-07
878	569798.63	4214956.39	2.49E-06	1.30E-06	3.79E-06	3.80E-07	1.98E-07	5.78E-07	1.71E-07	8.15E-08	2.53E-07
879	569803.31	4214964.89	2.60E-06	1.36E-06	3.96E-06	3.97E-07	2.07E-07	6.04E-07	1.79E-07	8.52E-08	2.64E-07
880	569807.98	4214973.39	2.73E-06	1.43E-06	4.16E-06	4.17E-07	2.17E-07	6.34E-07	1.88E-07	8.94E-08	2.78E-07
881	569812.66	4214981.89	2.88E-06	1.50E-06	4.38E-06	4.39E-07	2.29E-07	6.68E-07	1.98E-07	9.42E-08	2.92E-07
882	569817.33	4214990.4	3.05E-06	1.60E-06	4.65E-06	4.66E-07	2.43E-07	7.09E-07	2.10E-07	9.99E-08	3.10E-07
883	569822	4214998.9	3.26E-06	1.70E-06	4.96E-06	4.98E-07	2.59E-07	7.57E-07	2.25E-07	1.07E-07	3.31E-07
884	569826.68	4215007.4	3.49E-06	1.83E-06	5.32E-06	5.33E-07	2.78E-07	8.11E-07	2.41E-07	1.14E-07	3.55E-07
885	569831.35	4215015.9	3.76E-06	1.97E-06	5.72E-06	5.74E-07	2.99E-07	8.73E-07	2.59E-07	1.23E-07	3.82E-07
886	569836.03	4215024.4	4.05E-06	2.12E-06	6.16E-06	6.18E-07	3.22E-07	9.40E-07	2.79E-07	1.33E-07	4.11E-07
887	569840.7	4215032.91	4.37E-06	2.29E-06	6.66E-06	6.67E-07	3.48E-07	1.02E-06	3.01E-07	1.43E-07	4.44E-07
888	569896.8	4215134.93	1.90E-05	9.94E-06	2.89E-05	2.90E-06	1.51E-06	4.41E-06	1.31E-06	6.23E-07	1.93E-06
889	569901.47	4215143.43	2.14E-05	1.12E-05	3.27E-05	3.27E-06	1.71E-06	4.98E-06	1.48E-06	7.02E-07	2.18E-06
890	569906.15	4215151.93	2.29E-05	1.20E-05	3.48E-05	3.49E-06	1.82E-06	5.31E-06	1.58E-06	7.49E-07	2.32E-06
891	569910.82	4215160.43	2.47E-05	1.29E-05	3.76E-05	3.77E-06	1.96E-06	5.73E-06	1.70E-06	8.08E-07	2.51E-06
892	569915.5	4215168.94	2.62E-05	1.37E-05	3.99E-05	4.00E-06	2.08E-06	6.08E-06	1.81E-06	8.58E-07	2.66E-06
893	569784.15	4214943.89	2.38E-06	1.25E-06	3.63E-06	3.64E-07	1.90E-07	5.54E-07	1.64E-07	7.81E-08	2.42E-07
894	569783.11	4214935.08	2.32E-06	1.22E-06	3.54E-06	3.55E-07	1.85E-07	5.40E-07	1.60E-07	7.62E-08	2.36E-07
895	569789.87	4214961.21	2.56E-06	1.34E-06	3.89E-06	3.90E-07	2.03E-07	5.94E-07	1.76E-07	8.37E-08	2.60E-07
896	569794.54	4214969.71	2.67E-06	1.40E-06	4.07E-06	4.08E-07	2.13E-07	6.21E-07	1.84E-07	8.76E-08	2.72E-07
897	569799.22	4214978.21	2.81E-06	1.47E-06	4.27E-06	4.28E-07	2.23E-07	6.52E-07	1.93E-07	9.19E-08	2.85E-07
898	569803.89	4214986.71	2.96E-06	1.55E-06	4.50E-06	4.52E-07	2.35E-07	6.87E-07	2.04E-07	9.69E-08	3.01E-07
899	569808.57	4214995.21	3.14E-06	1.64E-06	4.79E-06	4.80E-07	2.50E-07	7.30E-07	2.17E-07	1.03E-07	3.20E-07
900	569813.24	4215003.72	3.36E-06	1.76E-06	5.11E-06	5.13E-07	2.67E-07	7.80E-07	2.31E-07	1.10E-07	3.41E-07
901	569817.92	4215012.22	3.60E-06	1.88E-06	5.48E-06	5.49E-07	2.86E-07	8.36E-07	2.48E-07	1.18E-07	3.66E-07
902	569822.59	4215020.72	3.86E-06	2.02E-06	5.89E-06	5.90E-07	3.07E-07	8.98E-07	2.66E-07	1.27E-07	3.93E-07
903	569827.27	4215029.22	4.16E-06	2.18E-06	6.33E-06	6.35E-07	3.31E-07	9.66E-07	2.87E-07	1.36E-07	4.23E-07
904	569831.94	4215037.72	4.49E-06	2.35E-06	6.84E-06	6.85E-07	3.57E-07	1.04E-06	3.09E-07	1.47E-07	4.56E-07
905	569888.04	4215139.75	1.85E-05	9.70E-06	2.82E-05	2.83E-06	1.48E-06	4.31E-06	1.28E-06	6.08E-07	1.89E-06
906	569892.71	4215148.25	2.06E-05	1.08E-05	3.14E-05	3.15E-06	1.64E-06	4.80E-06	1.42E-06	6.76E-07	2.10E-06
907	569897.38	4215156.75	2.18E-05	1.14E-05	3.33E-05	3.34E-06	1.74E-06	5.07E-06	1.51E-06	7.15E-07	2.22E-06
908	569902.06	4215165.25	2.35E-05	1.23E-05	3.58E-05	3.59E-06	1.87E-06	5.46E-06	1.62E-06	7.70E-07	2.39E-06
909	569906.73	4215173.75	2.46E-05	1.29E-05	3.75E-05	3.76E-06	1.96E-06	5.71E-06	1.69E-06	8.06E-07	2.50E-06
910	569775.31	4214948.03	2.43E-06	1.27E-06	3.71E-06	3.72E-07	1.94E-07	5.65E-07	1.68E-07	7.97E-08	2.47E-07
911	569774.18	4214938.54	2.36E-06	1.24E-06	3.60E-06	3.61E-07	1.88E-07	5.49E-07	1.63E-07	7.74E-08	2.40E-07

912	569773.06	4214929.05	2.31E-06	1.21E-06	3.52E-06	3.53E-07	1.84E-07	5.37E-07	1.59E-07	7.58E-08	2.35E-07
913	569776.43	4214957.52	2.52E-06	1.32E-06	3.84E-06	3.85E-07	2.01E-07	5.86E-07	1.74E-07	8.26E-08	2.57E-07
914	569781.11	4214966.02	2.62E-06	1.37E-06	4.00E-06	4.01E-07	2.09E-07	6.10E-07	1.81E-07	8.60E-08	2.67E-07
915	569785.78	4214974.53	2.74E-06	1.43E-06	4.18E-06	4.19E-07	2.18E-07	6.37E-07	1.89E-07	8.98E-08	2.79E-07
916	569790.45	4214983.03	2.88E-06	1.51E-06	4.39E-06	4.40E-07	2.29E-07	6.69E-07	1.98E-07	9.44E-08	2.93E-07
917	569795.13	4214991.53	3.04E-06	1.59E-06	4.63E-06	4.65E-07	2.42E-07	7.07E-07	2.10E-07	9.97E-08	3.09E-07
918	569799.8	4215000.03	3.23E-06	1.69E-06	4.92E-06	4.93E-07	2.57E-07	7.50E-07	2.23E-07	1.06E-07	3.28E-07
919	569804.48	4215008.53	3.45E-06	1.80E-06	5.25E-06	5.26E-07	2.74E-07	8.00E-07	2.37E-07	1.13E-07	3.50E-07
920	569809.15	4215017.04	3.69E-06	1.93E-06	5.62E-06	5.64E-07	2.94E-07	8.57E-07	2.54E-07	1.21E-07	3.75E-07
921	569813.83	4215025.54	3.96E-06	2.07E-06	6.04E-06	6.05E-07	3.15E-07	9.21E-07	2.73E-07	1.30E-07	4.03E-07
922	569818.5	4215034.04	4.26E-06	2.23E-06	6.49E-06	6.51E-07	3.39E-07	9.90E-07	2.94E-07	1.40E-07	4.33E-07
923	569823.18	4215042.54	4.59E-06	2.40E-06	7.00E-06	7.01E-07	3.65E-07	1.07E-06	3.16E-07	1.50E-07	4.67E-07
924	569879.27	4215144.56	1.79E-05	9.36E-06	2.73E-05	2.73E-06	1.42E-06	4.16E-06	1.23E-06	5.86E-07	1.82E-06
925	569883.95	4215153.07	1.98E-05	1.03E-05	3.01E-05	3.02E-06	1.57E-06	4.59E-06	1.36E-06	6.48E-07	2.01E-06
926	569888.62	4215161.57	2.08E-05	1.09E-05	3.17E-05	3.18E-06	1.65E-06	4.83E-06	1.43E-06	6.81E-07	2.11E-06
927	569893.3	4215170.07	2.21E-05	1.16E-05	3.36E-05	3.37E-06	1.76E-06	5.13E-06	1.52E-06	7.24E-07	2.25E-06
928	569897.97	4215178.57	2.30E-05	1.21E-05	3.51E-05	3.52E-06	1.83E-06	5.35E-06	1.59E-06	7.55E-07	2.34E-06
929	569766.56	4214953.02	2.49E-06	1.30E-06	3.79E-06	3.80E-07	1.98E-07	5.79E-07	1.72E-07	8.16E-08	2.53E-07
930	569765.46	4214943.7	2.42E-06	1.26E-06	3.68E-06	3.69E-07	1.92E-07	5.61E-07	1.67E-07	7.92E-08	2.46E-07
931	569764.36	4214934.38	2.36E-06	1.23E-06	3.59E-06	3.60E-07	1.88E-07	5.48E-07	1.63E-07	7.73E-08	2.40E-07
932	569763.25	4214925.06	2.32E-06	1.21E-06	3.53E-06	3.54E-07	1.85E-07	5.39E-07	1.60E-07	7.60E-08	2.36E-07
933	569777.2	4214820.65	1.38E-06	7.20E-07	2.10E-06	2.10E-07	1.10E-07	3.20E-07	9.49E-08	4.51E-08	1.40E-07
934	569782.9	4214813.19	1.32E-06	6.89E-07	2.01E-06	2.01E-07	1.05E-07	3.06E-07	9.07E-08	4.31E-08	1.34E-07
935	569767.67	4214962.34	2.59E-06	1.35E-06	3.94E-06	3.95E-07	2.06E-07	6.01E-07	1.78E-07	8.48E-08	2.63E-07
936	569772.34	4214970.84	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.25E-07	1.86E-07	8.82E-08	2.74E-07
937	569777.02	4214979.34	2.81E-06	1.47E-06	4.28E-06	4.30E-07	2.24E-07	6.53E-07	1.94E-07	9.22E-08	2.86E-07
938	569781.69	4214987.85	2.95E-06	1.55E-06	4.50E-06	4.51E-07	2.35E-07	6.86E-07	2.04E-07	9.67E-08	3.00E-07
939	569786.37	4214996.35	3.12E-06	1.63E-06	4.75E-06	4.77E-07	2.48E-07	7.25E-07	2.15E-07	1.02E-07	3.17E-07
940	569791.04	4215004.85	3.31E-06	1.73E-06	5.04E-06	5.05E-07	2.63E-07	7.69E-07	2.28E-07	1.08E-07	3.36E-07
941	569795.72	4215013.35	3.52E-06	1.84E-06	5.36E-06	5.38E-07	2.80E-07	8.18E-07	2.43E-07	1.15E-07	3.58E-07
942	569800.39	4215021.85	3.77E-06	1.97E-06	5.74E-06	5.75E-07	3.00E-07	8.75E-07	2.60E-07	1.23E-07	3.83E-07
943	569805.07	4215030.36	4.04E-06	2.11E-06	6.15E-06	6.17E-07	3.21E-07	9.38E-07	2.78E-07	1.32E-07	4.11E-07
944	569809.74	4215038.86	4.35E-06	2.27E-06	6.62E-06	6.64E-07	3.46E-07	1.01E-06	2.99E-07	1.42E-07	4.42E-07
945	569814.41	4215047.36	4.68E-06	2.45E-06	7.13E-06	7.15E-07	3.73E-07	1.09E-06	3.23E-07	1.53E-07	4.76E-07
946	569819.09	4215055.86	5.04E-06	2.64E-06	7.68E-06	7.70E-07	4.01E-07	1.17E-06	3.48E-07	1.65E-07	5.13E-07
947	569870.51	4215149.38	1.69E-05	8.87E-06	2.58E-05	2.59E-06	1.35E-06	3.94E-06	1.17E-06	5.55E-07	1.72E-06
948	569875.18	4215157.88	1.88E-05	9.85E-06	2.87E-05	2.87E-06	1.50E-06	4.37E-06	1.30E-06	6.16E-07	1.91E-06
949	569879.86	4215166.39	2.03E-05	1.06E-05	3.09E-05	3.10E-06	1.61E-06	4.71E-06	1.40E-06	6.64E-07	2.06E-06
950	569884.53	4215174.89	2.08E-05	1.09E-05	3.16E-05	3.17E-06	1.65E-06	4.82E-06	1.43E-06	6.80E-07	2.11E-06
951	569889.21	4215183.39	2.16E-05	1.13E-05	3.30E-05	3.30E-06	1.72E-06	5.03E-06	1.49E-06	7.09E-07	2.20E-06
952	569757.82	4214957.98	2.55E-06	1.34E-06	3.89E-06	3.90E-07	2.03E-07	5.93E-07	1.76E-07	8.36E-08	2.60E-07
953	569756.73	4214948.8	2.47E-06	1.29E-06	3.77E-06	3.77E-07	1.97E-07	5.74E-07	1.70E-07	8.10E-08	2.51E-07
954	569755.65	4214939.63	2.41E-06	1.26E-06	3.67E-06	3.68E-07	1.92E-07	5.59E-07	1.66E-07	7.89E-08	2.45E-07
955	569754.56	4214930.45	2.36E-06	1.23E-06	3.59E-06	3.60E-07	1.88E-07	5.48E-07	1.63E-07	7.73E-08	2.40E-07
956	569753.47	4214921.27	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.85E-07	5.41E-07	1.61E-07	7.63E-08	2.37E-07
957	569750.39	4214840.51	1.51E-06	7.90E-07	2.30E-06	2.31E-07	1.20E-07	3.51E-07	1.04E-07	4.95E-08	1.54E-07
958	569755.99	4214833.16	1.45E-06	7.57E-07	2.20E-06	2.21E-07	1.15E-07	3.36E-07	9.97E-08	4.74E-08	1.47E-07
959	569767.21	4214818.47	1.34E-06	7.03E-07	2.05E-06	2.05E-07	1.07E-07	3.12E-07	9.26E-08	4.40E-08	1.37E-07
960	569772.81	4214811.12	1.29E-06	6.75E-07	1.97E-06	1.97E-07	1.03E-07	3.00E-07	8.89E-08	4.23E-08	1.31E-07
961	569784.02	4214796.43	1.21E-06	6.32E-07	1.84E-06	1.84E-07	9.61E-08	2.80E-07	8.32E-08	3.95E-08	1.23E-07
962	569758.91	4214967.16	2.65E-06	1.39E-06	4.04E-06	4.05E-07	2.11E-07	6.16E-07	1.83E-07	8.69E-08	2.70E-07
963	569763.58	4214975.66	2.76E-06	1.44E-06	4.20E-06	4.21E-07	2.20E-07	6.41E-07	1.90E-07	9.04E-08	2.81E-07
964	569768.25	4214984.16	2.88E-06	1.51E-06	4.39E-06	4.40E-07	2.29E-07	6.69E-07	1.99E-07	9.44E-08	2.93E-07
965	569772.93	4214992.66	3.03E-06	1.59E-06	4.62E-06	4.63E-07	2.41E-07	7.04E-07	2.09E-07	9.93E-08	3.08E-07
966	569777.6	4215001.17	3.20E-06	1.67E-06	4.87E-06	4.88E-07	2.54E-07	7.43E-07	2.20E-07	1.05E-07	3.25E-07
967	569782.28	4215009.67	3.38E-06	1.77E-06	5.15E-06	5.16E-07	2.69E-07	7.85E-07	2.33E-07	1.11E-07	3.44E-07
968	569786.95	4215018.17	3.59E-06	1.88E-06	5.47E-06	5.48E-07	2.86E-07	8.34E-07	2.48E-07	1.18E-07	3.65E-07
969	569791.63	4215026.67	3.84E-06	2.01E-06	5.84E-06	5.86E-07	3.05E-07	8.91E-07	2.64E-07	1.26E-07	3.90E-07
970	569796.3	4215035.17	4.11E-06	2.15E-06	6.26E-06	6.27E-07	3.27E-07	9.54E-07	2.83E-07	1.35E-07	4.18E-07
971	569800.98	4215043.68	4.41E-06	2.31E-06	6.71E-06	6.73E-07	3.51E-07	1.02E-06	3.04E-07	1.44E-07	4.48E-07
972	569805.65	4215052.18	4.74E-06	2.48E-06	7.22E-06	7.23E-07	3.77E-07	1.10E-06	3.26E-07	1.55E-07	4.82E-07

973	569810.33	4215060.68	5.10E-06	2.67E-06	7.77E-06	7.79E-07	4.06E-07	1.18E-06	3.51E-07	1.67E-07	5.18E-07
974	569861.75	4215154.2	1.56E-05	8.15E-06	2.37E-05	2.38E-06	1.24E-06	3.62E-06	1.07E-06	5.11E-07	1.58E-06
975	569866.42	4215162.7	1.75E-05	9.17E-06	2.67E-05	2.68E-06	1.39E-06	4.07E-06	1.21E-06	5.74E-07	1.78E-06
976	569871.1	4215171.2	1.91E-05	9.98E-06	2.91E-05	2.91E-06	1.52E-06	4.43E-06	1.31E-06	6.25E-07	1.94E-06
977	569875.77	4215179.71	2.01E-05	1.05E-05	3.07E-05	3.07E-06	1.60E-06	4.68E-06	1.39E-06	6.60E-07	2.05E-06
978	569880.45	4215188.21	2.05E-05	1.07E-05	3.12E-05	3.13E-06	1.63E-06	4.76E-06	1.41E-06	6.71E-07	2.08E-06
979	569749.07	4214962.92	2.62E-06	1.37E-06	3.98E-06	3.99E-07	2.08E-07	6.08E-07	1.80E-07	8.57E-08	2.66E-07
980	569748	4214953.87	2.53E-06	1.32E-06	3.85E-06	3.86E-07	2.01E-07	5.88E-07	1.74E-07	8.29E-08	2.57E-07
981	569746.93	4214944.81	2.46E-06	1.29E-06	3.75E-06	3.76E-07	1.96E-07	5.72E-07	1.70E-07	8.06E-08	2.50E-07
982	569745.85	4214935.76	2.41E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.59E-07	1.66E-07	7.88E-08	2.45E-07
983	569744.78	4214926.71	2.36E-06	1.24E-06	3.60E-06	3.61E-07	1.88E-07	5.49E-07	1.63E-07	7.74E-08	2.40E-07
984	569743.71	4214917.65	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.86E-07	5.42E-07	1.61E-07	7.64E-08	2.37E-07
985	569736.21	4214854.27	1.65E-06	8.64E-07	2.51E-06	2.52E-07	1.31E-07	3.83E-07	1.14E-07	5.41E-08	1.68E-07
986	569740.67	4214837.97	1.49E-06	7.77E-07	2.26E-06	2.27E-07	1.18E-07	3.45E-07	1.02E-07	4.87E-08	1.51E-07
987	569746.2	4214830.72	1.42E-06	7.45E-07	2.17E-06	2.17E-07	1.13E-07	3.31E-07	9.81E-08	4.67E-08	1.45E-07
988	569757.26	4214816.22	1.32E-06	6.88E-07	2.00E-06	2.01E-07	1.05E-07	3.06E-07	9.06E-08	4.31E-08	1.34E-07
989	569768.32	4214801.73	1.23E-06	6.43E-07	1.87E-06	1.88E-07	9.78E-08	2.86E-07	8.47E-08	4.03E-08	1.25E-07
990	569779.39	4214787.23	1.16E-06	6.07E-07	1.77E-06	1.77E-07	9.24E-08	2.70E-07	8.00E-08	3.80E-08	1.18E-07
991	569750.14	4214971.98	2.72E-06	1.42E-06	4.14E-06	4.15E-07	2.16E-07	6.31E-07	1.87E-07	8.90E-08	2.76E-07
992	569754.82	4214980.48	2.82E-06	1.48E-06	4.30E-06	4.31E-07	2.25E-07	6.56E-07	1.95E-07	9.25E-08	2.87E-07
993	569759.49	4214988.98	2.95E-06	1.55E-06	4.50E-06	4.51E-07	2.35E-07	6.86E-07	2.04E-07	9.67E-08	3.00E-07
994	569764.17	4214997.48	3.11E-06	1.62E-06	4.73E-06	4.74E-07	2.47E-07	7.21E-07	2.14E-07	1.02E-07	3.16E-07
995	569768.84	4215005.98	3.27E-06	1.71E-06	4.99E-06	5.00E-07	2.60E-07	7.60E-07	2.26E-07	1.07E-07	3.33E-07
996	569773.52	4215014.49	3.46E-06	1.81E-06	5.27E-06	5.28E-07	2.75E-07	8.03E-07	2.38E-07	1.13E-07	3.51E-07
997	569778.19	4215022.99	3.67E-06	1.92E-06	5.59E-06	5.60E-07	2.92E-07	8.52E-07	2.53E-07	1.20E-07	3.73E-07
998	569782.86	4215031.49	3.90E-06	2.04E-06	5.94E-06	5.96E-07	3.10E-07	9.06E-07	2.69E-07	1.28E-07	3.97E-07
999	569787.54	4215039.99	4.16E-06	2.18E-06	6.34E-06	6.36E-07	3.31E-07	9.67E-07	2.87E-07	1.36E-07	4.23E-07
1000	569792.21	4215048.49	4.46E-06	2.33E-06	6.79E-06	6.81E-07	3.55E-07	1.04E-06	3.07E-07	1.46E-07	4.53E-07
1001	569796.89	4215057	4.78E-06	2.50E-06	7.29E-06	7.30E-07	3.81E-07	1.11E-06	3.30E-07	1.57E-07	4.86E-07
1002	569801.56	4215065.5	5.13E-06	2.69E-06	7.82E-06	7.84E-07	4.09E-07	1.19E-06	3.54E-07	1.68E-07	5.22E-07
1003	569806.24	4215074	5.51E-06	2.88E-06	8.40E-06	8.42E-07	4.39E-07	1.28E-06	3.80E-07	1.81E-07	5.60E-07
1004	569852.98	4215159.02	1.43E-05	7.46E-06	2.17E-05	2.18E-06	1.13E-06	3.31E-06	9.82E-07	4.67E-07	1.45E-06
1005	569857.66	4215167.52	1.61E-05	8.45E-06	2.46E-05	2.46E-06	1.28E-06	3.75E-06	1.11E-06	5.29E-07	1.64E-06
1006	569862.33	4215176.02	1.78E-05	9.33E-06	2.72E-05	2.72E-06	1.42E-06	4.14E-06	1.23E-06	5.84E-07	1.81E-06
1007	569867.01	4215184.52	1.90E-05	9.97E-06	2.90E-05	2.91E-06	1.52E-06	4.42E-06	1.31E-06	6.24E-07	1.94E-06
1008	569871.68	4215193.03	1.95E-05	1.02E-05	2.97E-05	2.98E-06	1.55E-06	4.53E-06	1.34E-06	6.39E-07	1.98E-06
1009	569740.24	4214967.21	2.67E-06	1.40E-06	4.07E-06	4.08E-07	2.13E-07	6.20E-07	1.84E-07	8.75E-08	2.72E-07
1010	569739.11	4214957.62	2.58E-06	1.35E-06	3.93E-06	3.94E-07	2.05E-07	5.99E-07	1.78E-07	8.45E-08	2.62E-07
1011	569737.97	4214948.03	2.50E-06	1.31E-06	3.81E-06	3.82E-07	1.99E-07	5.82E-07	1.73E-07	8.20E-08	2.55E-07
1012	569736.84	4214938.45	2.44E-06	1.28E-06	3.72E-06	3.73E-07	1.94E-07	5.67E-07	1.68E-07	8.00E-08	2.48E-07
1013	569735.7	4214928.86	2.39E-06	1.25E-06	3.65E-06	3.66E-07	1.90E-07	5.56E-07	1.65E-07	7.84E-08	2.43E-07
1014	569734.57	4214919.27	2.35E-06	1.23E-06	3.57E-06	3.58E-07	1.87E-07	5.45E-07	1.62E-07	7.69E-08	2.39E-07
1015	569727.76	4214861.75	1.73E-06	9.03E-07	2.63E-06	2.64E-07	1.37E-07	4.01E-07	1.19E-07	5.66E-08	1.76E-07
1016	569726.62	4214852.16	1.62E-06	8.48E-07	2.47E-06	2.48E-07	1.29E-07	3.77E-07	1.12E-07	5.31E-08	1.65E-07
1017	569731.35	4214834.9	1.46E-06	7.64E-07	2.22E-06	2.23E-07	1.16E-07	3.39E-07	1.01E-07	4.78E-08	1.48E-07
1018	569737.2	4214827.23	1.40E-06	7.33E-07	2.13E-06	2.14E-07	1.11E-07	3.25E-07	9.65E-08	4.59E-08	1.42E-07
1019	569743.06	4214819.55	1.34E-06	7.02E-07	2.04E-06	2.05E-07	1.07E-07	3.12E-07	9.24E-08	4.39E-08	1.36E-07
1020	569748.92	4214811.88	1.29E-06	6.72E-07	1.96E-06	1.96E-07	1.02E-07	2.99E-07	8.86E-08	4.21E-08	1.31E-07
1021	569754.77	4214804.21	1.24E-06	6.47E-07	1.88E-06	1.89E-07	9.84E-08	2.87E-07	8.52E-08	4.05E-08	1.26E-07
1022	569760.63	4214796.53	1.20E-06	6.30E-07	1.83E-06	1.84E-07	9.58E-08	2.80E-07	8.30E-08	3.94E-08	1.22E-07
1023	569766.49	4214788.86	1.17E-06	6.12E-07	1.78E-06	1.79E-07	9.31E-08	2.72E-07	8.06E-08	3.83E-08	1.19E-07
1024	569772.34	4214781.18	1.14E-06	5.94E-07	1.73E-06	1.73E-07	9.03E-08	2.64E-07	7.82E-08	3.72E-08	1.15E-07
1025	569741.38	4214976.79	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.45E-07	1.91E-07	9.10E-08	2.82E-07
1026	569746.05	4214985.3	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.70E-07	1.99E-07	9.45E-08	2.93E-07
1027	569750.73	4214993.8	3.02E-06	1.58E-06	4.60E-06	4.61E-07	2.40E-07	7.02E-07	2.08E-07	9.90E-08	3.07E-07
1028	569755.4	4215002.3	3.17E-06	1.66E-06	4.83E-06	4.85E-07	2.53E-07	7.37E-07	2.19E-07	1.04E-07	3.23E-07
1029	569760.08	4215010.8	3.34E-06	1.75E-06	5.09E-06	5.10E-07	2.66E-07	7.76E-07	2.30E-07	1.09E-07	3.40E-07
1030	569764.75	4215019.3	3.53E-06	1.85E-06	5.38E-06	5.39E-07	2.81E-07	8.20E-07	2.43E-07	1.16E-07	3.59E-07
1031	569769.43	4215027.81	3.74E-06	1.96E-06	5.70E-06	5.71E-07	2.98E-07	8.69E-07	2.58E-07	1.23E-07	3.80E-07
1032	569774.1	4215036.31	3.97E-06	2.08E-06	6.05E-06	6.06E-07	3.16E-07	9.22E-07	2.74E-07	1.30E-07	4.04E-07
1033	569778.78	4215044.81	4.22E-06	2.21E-06	6.43E-06	6.44E-07	3.36E-07	9.80E-07	2.91E-07	1.38E-07	4.29E-07

1034	569783.45	4215053.31	4.50E-06	2.36E-06	6.86E-06	6.88E-07	3.58E-07	1.05E-06	3.10E-07	1.48E-07	4.58E-07
1035	569788.13	4215061.81	4.82E-06	2.52E-06	7.34E-06	7.36E-07	3.83E-07	1.12E-06	3.32E-07	1.58E-07	4.90E-07
1036	569792.8	4215070.32	5.16E-06	2.70E-06	7.86E-06	7.88E-07	4.10E-07	1.20E-06	3.55E-07	1.69E-07	5.24E-07
1037	569797.48	4215078.82	5.52E-06	2.89E-06	8.41E-06	8.43E-07	4.39E-07	1.28E-06	3.81E-07	1.81E-07	5.61E-07
1038	569844.22	4215163.84	1.30E-05	6.80E-06	1.98E-05	1.98E-06	1.03E-06	3.02E-06	8.95E-07	4.26E-07	1.32E-06
1039	569848.9	4215172.34	1.50E-05	7.86E-06	2.29E-05	2.30E-06	1.20E-06	3.49E-06	1.04E-06	4.92E-07	1.53E-06
1040	569853.57	4215180.84	1.68E-05	8.80E-06	2.56E-05	2.57E-06	1.34E-06	3.91E-06	1.16E-06	5.51E-07	1.71E-06
1041	569858.25	4215189.34	1.81E-05	9.47E-06	2.76E-05	2.76E-06	1.44E-06	4.20E-06	1.25E-06	5.93E-07	1.84E-06
1042	569862.92	4215197.84	1.89E-05	9.86E-06	2.87E-05	2.88E-06	1.50E-06	4.38E-06	1.30E-06	6.18E-07	1.92E-06
1043	569731.5	4214972.17	2.73E-06	1.43E-06	4.16E-06	4.17E-07	2.17E-07	6.35E-07	1.88E-07	8.95E-08	2.78E-07
1044	569730.38	4214962.72	2.64E-06	1.38E-06	4.02E-06	4.03E-07	2.10E-07	6.13E-07	1.82E-07	8.65E-08	2.69E-07
1045	569729.26	4214953.28	2.56E-06	1.34E-06	3.90E-06	3.91E-07	2.04E-07	5.95E-07	1.77E-07	8.40E-08	2.61E-07
1046	569728.14	4214943.83	2.50E-06	1.31E-06	3.80E-06	3.81E-07	1.99E-07	5.80E-07	1.72E-07	8.18E-08	2.54E-07
1047	569727.03	4214934.39	2.44E-06	1.28E-06	3.72E-06	3.73E-07	1.94E-07	5.67E-07	1.68E-07	8.00E-08	2.48E-07
1048	569725.91	4214924.94	2.39E-06	1.25E-06	3.65E-06	3.66E-07	1.91E-07	5.56E-07	1.65E-07	7.84E-08	2.43E-07
1049	569724.79	4214915.5	2.33E-06	1.22E-06	3.55E-06	3.55E-07	1.85E-07	5.41E-07	1.60E-07	7.63E-08	2.37E-07
1050	569719.2	4214868.27	1.80E-06	9.41E-07	2.74E-06	2.75E-07	1.43E-07	4.18E-07	1.24E-07	5.89E-08	1.83E-07
1051	569718.08	4214858.83	1.69E-06	8.86E-07	2.58E-06	2.59E-07	1.35E-07	3.93E-07	1.17E-07	5.55E-08	1.72E-07
1052	569716.96	4214849.38	1.60E-06	8.37E-07	2.44E-06	2.44E-07	1.27E-07	3.72E-07	1.10E-07	5.24E-08	1.63E-07
1053	569721.61	4214832.38	1.45E-06	7.56E-07	2.20E-06	2.21E-07	1.15E-07	3.36E-07	9.96E-08	4.74E-08	1.47E-07
1054	569727.38	4214824.82	1.39E-06	7.25E-07	2.11E-06	2.12E-07	1.10E-07	3.22E-07	9.56E-08	4.54E-08	1.41E-07
1055	569733.15	4214817.26	1.33E-06	6.97E-07	2.03E-06	2.03E-07	1.06E-07	3.09E-07	9.18E-08	4.36E-08	1.35E-07
1056	569738.92	4214809.7	1.28E-06	6.69E-07	1.95E-06	1.95E-07	1.02E-07	2.97E-07	8.81E-08	4.19E-08	1.30E-07
1057	569744.69	4214802.14	1.24E-06	6.46E-07	1.88E-06	1.89E-07	9.83E-08	2.87E-07	8.51E-08	4.05E-08	1.26E-07
1058	569750.46	4214794.57	1.20E-06	6.27E-07	1.83E-06	1.83E-07	9.54E-08	2.79E-07	8.26E-08	3.93E-08	1.22E-07
1059	569756.23	4214787.01	1.16E-06	6.09E-07	1.77E-06	1.78E-07	9.27E-08	2.71E-07	8.03E-08	3.82E-08	1.18E-07
1060	569762	4214779.45	1.13E-06	5.92E-07	1.72E-06	1.73E-07	9.01E-08	2.63E-07	7.80E-08	3.71E-08	1.15E-07
1061	569767.77	4214771.89	1.11E-06	5.80E-07	1.69E-06	1.69E-07	8.82E-08	2.57E-07	7.63E-08	3.63E-08	1.13E-07
1062	569732.62	4214981.61	2.84E-06	1.48E-06	4.32E-06	4.33E-07	2.26E-07	6.59E-07	1.96E-07	9.30E-08	2.88E-07
1063	569737.29	4214990.11	2.95E-06	1.54E-06	4.50E-06	4.51E-07	2.35E-07	6.86E-07	2.03E-07	9.67E-08	3.00E-07
1064	569741.97	4214998.62	3.09E-06	1.62E-06	4.70E-06	4.72E-07	2.46E-07	7.17E-07	2.13E-07	1.01E-07	3.14E-07
1065	569746.64	4215007.12	3.24E-06	1.70E-06	4.94E-06	4.95E-07	2.58E-07	7.53E-07	2.23E-07	1.06E-07	3.29E-07
1066	569751.32	4215015.62	3.41E-06	1.78E-06	5.19E-06	5.20E-07	2.71E-07	7.91E-07	2.35E-07	1.12E-07	3.46E-07
1067	569755.99	4215024.12	3.59E-06	1.88E-06	5.47E-06	5.49E-07	2.86E-07	8.35E-07	2.48E-07	1.18E-07	3.65E-07
1068	569760.66	4215032.62	3.80E-06	1.99E-06	5.79E-06	5.80E-07	3.02E-07	8.83E-07	2.62E-07	1.24E-07	3.86E-07
1069	569765.34	4215041.13	4.02E-06	2.11E-06	6.13E-06	6.15E-07	3.20E-07	9.35E-07	2.77E-07	1.32E-07	4.09E-07
1070	569770.01	4215049.63	4.27E-06	2.24E-06	6.51E-06	6.52E-07	3.40E-07	9.93E-07	2.94E-07	1.40E-07	4.34E-07
1071	569774.69	4215058.13	4.55E-06	2.38E-06	6.93E-06	6.95E-07	3.62E-07	1.06E-06	3.14E-07	1.49E-07	4.63E-07
1072	569779.36	4215066.63	4.85E-06	2.54E-06	7.39E-06	7.41E-07	3.86E-07	1.13E-06	3.34E-07	1.59E-07	4.93E-07
1073	569784.04	4215075.13	5.17E-06	2.70E-06	7.87E-06	7.89E-07	4.11E-07	1.20E-06	3.56E-07	1.69E-07	5.26E-07
1074	569788.71	4215083.64	5.52E-06	2.89E-06	8.40E-06	8.43E-07	4.39E-07	1.28E-06	3.80E-07	1.81E-07	5.61E-07
1075	569793.39	4215092.14	5.89E-06	3.08E-06	8.97E-06	8.99E-07	4.69E-07	1.37E-06	4.06E-07	1.93E-07	5.99E-07
1076	569835.46	4215168.66	1.25E-05	6.54E-06	1.90E-05	1.91E-06	9.94E-07	2.90E-06	8.61E-07	4.09E-07	1.27E-06
1077	569840.13	4215177.16	1.43E-05	7.50E-06	2.18E-05	2.19E-06	1.14E-06	3.33E-06	9.88E-07	4.70E-07	1.46E-06
1078	569844.81	4215185.66	1.61E-05	8.42E-06	2.45E-05	2.46E-06	1.28E-06	3.74E-06	1.11E-06	5.27E-07	1.64E-06
1079	569849.48	4215194.16	1.74E-05	9.08E-06	2.64E-05	2.65E-06	1.38E-06	4.03E-06	1.20E-06	5.69E-07	1.76E-06
1080	569854.16	4215202.66	1.77E-05	9.26E-06	2.70E-05	2.70E-06	1.41E-06	4.11E-06	1.22E-06	5.80E-07	1.80E-06
1081	569722.75	4214977.11	2.79E-06	1.46E-06	4.25E-06	4.26E-07	2.22E-07	6.48E-07	1.92E-07	9.14E-08	2.84E-07
1082	569721.65	4214967.79	2.70E-06	1.41E-06	4.11E-06	4.12E-07	2.15E-07	6.27E-07	1.86E-07	8.84E-08	2.74E-07
1083	569720.54	4214958.47	2.62E-06	1.37E-06	3.99E-06	4.00E-07	2.09E-07	6.09E-07	1.81E-07	8.59E-08	2.67E-07
1084	569719.44	4214949.15	2.55E-06	1.34E-06	3.89E-06	3.90E-07	2.03E-07	5.93E-07	1.76E-07	8.36E-08	2.59E-07
1085	569718.34	4214939.83	2.49E-06	1.30E-06	3.79E-06	3.80E-07	1.98E-07	5.78E-07	1.72E-07	8.16E-08	2.53E-07
1086	569717.23	4214930.51	2.44E-06	1.28E-06	3.71E-06	3.72E-07	1.94E-07	5.66E-07	1.68E-07	7.99E-08	2.48E-07
1087	569716.13	4214921.19	2.37E-06	1.24E-06	3.61E-06	3.62E-07	1.89E-07	5.51E-07	1.64E-07	7.77E-08	2.41E-07
1088	569715.03	4214911.87	2.29E-06	1.20E-06	3.50E-06	3.50E-07	1.83E-07	5.33E-07	1.58E-07	7.52E-08	2.33E-07
1089	569711.71	4214883.9	1.99E-06	1.04E-06	3.03E-06	3.04E-07	1.58E-07	4.62E-07	1.37E-07	6.52E-08	2.02E-07
1090	569710.61	4214874.58	1.87E-06	9.81E-07	2.85E-06	2.86E-07	1.49E-07	4.35E-07	1.29E-07	6.14E-08	1.91E-07
1091	569709.51	4214865.26	1.77E-06	9.26E-07	2.70E-06	2.70E-07	1.41E-07	4.11E-07	1.22E-07	5.80E-08	1.80E-07
1092	569708.4	4214855.94	1.67E-06	8.75E-07	2.55E-06	2.55E-07	1.33E-07	3.88E-07	1.15E-07	5.48E-08	1.70E-07
1093	569707.3	4214846.62	1.58E-06	8.29E-07	2.41E-06	2.42E-07	1.26E-07	3.68E-07	1.09E-07	5.19E-08	1.61E-07
1094	569711.89	4214829.84	1.44E-06	7.55E-07	2.20E-06	2.20E-07	1.15E-07	3.35E-07	9.94E-08	4.73E-08	1.47E-07

1095	569717.59	4214822.38	1.38E-06	7.23E-07	2.11E-06	2.11E-07	1.10E-07	3.21E-07	9.52E-08	4.53E-08	1.41E-07
1096	569723.28	4214814.92	1.32E-06	6.92E-07	2.01E-06	2.02E-07	1.05E-07	3.07E-07	9.12E-08	4.33E-08	1.34E-07
1097	569728.97	4214807.46	1.27E-06	6.65E-07	1.94E-06	1.94E-07	1.01E-07	2.95E-07	8.76E-08	4.17E-08	1.29E-07
1098	569734.67	4214799.99	1.24E-06	6.47E-07	1.88E-06	1.89E-07	9.84E-08	2.87E-07	8.52E-08	4.05E-08	1.26E-07
1099	569740.36	4214792.53	1.20E-06	6.30E-07	1.83E-06	1.84E-07	9.58E-08	2.80E-07	8.30E-08	3.94E-08	1.22E-07
1100	569746.06	4214785.07	1.17E-06	6.12E-07	1.78E-06	1.79E-07	9.30E-08	2.72E-07	8.06E-08	3.83E-08	1.19E-07
1101	569751.75	4214777.61	1.13E-06	5.93E-07	1.73E-06	1.73E-07	9.02E-08	2.63E-07	7.81E-08	3.71E-08	1.15E-07
1102	569757.44	4214770.15	1.11E-06	5.82E-07	1.69E-06	1.70E-07	8.85E-08	2.58E-07	7.66E-08	3.64E-08	1.13E-07
1103	569763.14	4214762.69	1.10E-06	5.74E-07	1.67E-06	1.67E-07	8.72E-08	2.55E-07	7.55E-08	3.59E-08	1.11E-07
1104	569723.85	4214986.43	2.90E-06	1.51E-06	4.41E-06	4.42E-07	2.30E-07	6.73E-07	2.00E-07	9.48E-08	2.94E-07
1105	569728.53	4214994.93	3.02E-06	1.58E-06	4.60E-06	4.61E-07	2.40E-07	7.01E-07	2.08E-07	9.88E-08	3.07E-07
1106	569733.2	4215003.43	3.15E-06	1.65E-06	4.80E-06	4.81E-07	2.51E-07	7.32E-07	2.17E-07	1.03E-07	3.20E-07
1107	569737.88	4215011.94	3.30E-06	1.73E-06	5.03E-06	5.04E-07	2.63E-07	7.67E-07	2.28E-07	1.08E-07	3.36E-07
1108	569742.55	4215020.44	3.47E-06	1.82E-06	5.29E-06	5.30E-07	2.76E-07	8.06E-07	2.39E-07	1.14E-07	3.53E-07
1109	569747.23	4215028.94	3.65E-06	1.91E-06	5.57E-06	5.58E-07	2.91E-07	8.49E-07	2.52E-07	1.20E-07	3.72E-07
1110	569751.9	4215037.44	3.85E-06	2.01E-06	5.87E-06	5.88E-07	3.06E-07	8.94E-07	2.65E-07	1.26E-07	3.92E-07
1111	569756.58	4215045.94	4.07E-06	2.13E-06	6.19E-06	6.21E-07	3.24E-07	9.44E-07	2.80E-07	1.33E-07	4.13E-07
1112	569761.25	4215054.45	4.32E-06	2.26E-06	6.57E-06	6.59E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.39E-07
1113	569765.93	4215062.95	4.59E-06	2.40E-06	6.99E-06	7.00E-07	3.65E-07	1.07E-06	3.16E-07	1.50E-07	4.66E-07
1114	569770.6	4215071.45	4.87E-06	2.55E-06	7.42E-06	7.44E-07	3.88E-07	1.13E-06	3.36E-07	1.60E-07	4.96E-07
1115	569775.28	4215079.95	5.18E-06	2.71E-06	7.89E-06	7.91E-07	4.12E-07	1.20E-06	3.57E-07	1.70E-07	5.27E-07
1116	569779.95	4215088.45	5.51E-06	2.88E-06	8.39E-06	8.41E-07	4.38E-07	1.28E-06	3.79E-07	1.80E-07	5.60E-07
1117	569784.62	4215096.96	5.85E-06	3.06E-06	8.91E-06	8.93E-07	4.65E-07	1.36E-06	4.03E-07	1.92E-07	5.95E-07
1118	569789.3	4215105.46	6.22E-06	3.25E-06	9.47E-06	9.50E-07	4.95E-07	1.44E-06	4.29E-07	2.04E-07	6.32E-07
1119	569826.7	4215173.47	1.22E-05	6.36E-06	1.85E-05	1.86E-06	9.67E-07	2.82E-06	8.37E-07	3.98E-07	1.24E-06
1120	569831.37	4215181.98	1.38E-05	7.25E-06	2.11E-05	2.11E-06	1.10E-06	3.22E-06	9.54E-07	4.54E-07	1.41E-06
1121	569836.05	4215190.48	1.55E-05	8.09E-06	2.35E-05	2.36E-06	1.23E-06	3.59E-06	1.06E-06	5.06E-07	1.57E-06
1122	569840.72	4215198.98	1.65E-05	8.61E-06	2.51E-05	2.51E-06	1.31E-06	3.82E-06	1.13E-06	5.39E-07	1.67E-06
1123	569845.39	4215207.48	1.67E-05	8.72E-06	2.54E-05	2.55E-06	1.33E-06	3.87E-06	1.15E-06	5.46E-07	1.70E-06
1124	569714	4214982.04	2.84E-06	1.49E-06	4.33E-06	4.34E-07	2.26E-07	6.60E-07	1.96E-07	9.31E-08	2.89E-07
1125	569712.91	4214972.83	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.39E-07	1.90E-07	9.01E-08	2.80E-07
1126	569711.82	4214963.62	2.67E-06	1.40E-06	4.07E-06	4.08E-07	2.13E-07	6.21E-07	1.84E-07	8.76E-08	2.72E-07
1127	569710.73	4214954.41	2.61E-06	1.36E-06	3.97E-06	3.98E-07	2.07E-07	6.06E-07	1.80E-07	8.54E-08	2.65E-07
1128	569709.64	4214945.19	2.54E-06	1.33E-06	3.87E-06	3.88E-07	2.02E-07	5.90E-07	1.75E-07	8.32E-08	2.58E-07
1129	569708.55	4214935.98	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.97E-07	5.76E-07	1.71E-07	8.13E-08	2.52E-07
1130	569707.46	4214926.77	2.43E-06	1.27E-06	3.70E-06	3.71E-07	1.93E-07	5.64E-07	1.67E-07	7.96E-08	2.47E-07
1131	569706.37	4214917.56	2.34E-06	1.22E-06	3.57E-06	3.57E-07	1.86E-07	5.44E-07	1.61E-07	7.67E-08	2.38E-07
1132	569705.28	4214908.35	2.25E-06	1.18E-06	3.43E-06	3.44E-07	1.79E-07	5.23E-07	1.55E-07	7.38E-08	2.29E-07
1133	569704.19	4214899.14	2.17E-06	1.13E-06	3.30E-06	3.31E-07	1.72E-07	5.03E-07	1.49E-07	7.09E-08	2.20E-07
1134	569703.09	4214889.93	2.05E-06	1.07E-06	3.13E-06	3.14E-07	1.63E-07	4.77E-07	1.42E-07	6.73E-08	2.09E-07
1135	569702	4214880.72	1.94E-06	1.02E-06	2.96E-06	2.96E-07	1.54E-07	4.51E-07	1.34E-07	6.36E-08	1.97E-07
1136	569700.91	4214871.51	1.84E-06	9.62E-07	2.80E-06	2.81E-07	1.46E-07	4.27E-07	1.27E-07	6.02E-08	1.87E-07
1137	569699.82	4214862.3	1.74E-06	9.12E-07	2.66E-06	2.66E-07	1.39E-07	4.05E-07	1.20E-07	5.71E-08	1.77E-07
1138	569698.73	4214853.08	1.65E-06	8.65E-07	2.52E-06	2.53E-07	1.32E-07	3.84E-07	1.14E-07	5.42E-08	1.68E-07
1139	569697.64	4214843.87	1.57E-06	8.23E-07	2.39E-06	2.40E-07	1.25E-07	3.65E-07	1.08E-07	5.15E-08	1.60E-07
1140	569702.18	4214827.29	1.44E-06	7.55E-07	2.20E-06	2.20E-07	1.15E-07	3.35E-07	9.94E-08	4.73E-08	1.47E-07
1141	569707.81	4214819.92	1.38E-06	7.25E-07	2.11E-06	2.11E-07	1.10E-07	3.22E-07	9.54E-08	4.54E-08	1.41E-07
1142	569713.43	4214812.54	1.33E-06	6.94E-07	2.02E-06	2.03E-07	1.06E-07	3.08E-07	9.15E-08	4.35E-08	1.35E-07
1143	569719.06	4214805.17	1.27E-06	6.67E-07	1.94E-06	1.95E-07	1.01E-07	2.96E-07	8.78E-08	4.17E-08	1.30E-07
1144	569730.31	4214790.42	1.21E-06	6.33E-07	1.84E-06	1.85E-07	9.63E-08	2.81E-07	8.34E-08	3.97E-08	1.23E-07
1145	569735.94	4214783.05	1.18E-06	6.17E-07	1.80E-06	1.80E-07	9.38E-08	2.74E-07	8.12E-08	3.86E-08	1.20E-07
1146	569741.57	4214775.67	1.15E-06	6.00E-07	1.75E-06	1.75E-07	9.12E-08	2.66E-07	7.90E-08	3.76E-08	1.17E-07
1147	569752.82	4214760.93	1.11E-06	5.79E-07	1.69E-06	1.69E-07	8.81E-08	2.57E-07	7.63E-08	3.63E-08	1.13E-07
1148	569715.09	4214991.25	2.95E-06	1.54E-06	4.50E-06	4.51E-07	2.35E-07	6.86E-07	2.03E-07	9.67E-08	3.00E-07
1149	569719.77	4214999.75	3.08E-06	1.61E-06	4.68E-06	4.70E-07	2.45E-07	7.14E-07	2.12E-07	1.01E-07	3.13E-07
1150	569724.44	4215008.25	3.21E-06	1.68E-06	4.89E-06	4.90E-07	2.56E-07	7.46E-07	2.21E-07	1.05E-07	3.26E-07
1151	569729.12	4215016.75	3.36E-06	1.76E-06	5.12E-06	5.13E-07	2.68E-07	7.81E-07	2.32E-07	1.10E-07	3.42E-07
1152	569733.79	4215025.26	3.53E-06	1.85E-06	5.38E-06	5.39E-07	2.81E-07	8.20E-07	2.43E-07	1.16E-07	3.59E-07
1153	569738.46	4215033.76	3.71E-06	1.94E-06	5.65E-06	5.66E-07	2.95E-07	8.61E-07	2.56E-07	1.21E-07	3.77E-07
1154	569743.14	4215042.26	3.90E-06	2.04E-06	5.94E-06	5.96E-07	3.10E-07	9.06E-07	2.69E-07	1.28E-07	3.97E-07
1155	569747.81	4215050.76	4.11E-06	2.15E-06	6.27E-06	6.28E-07	3.27E-07	9.56E-07	2.84E-07	1.35E-07	4.18E-07

1156	569752.49	4215059.26	4.35E-06	2.28E-06	6.63E-06	6.64E-07	3.46E-07	1.01E-06	3.00E-07	1.42E-07	4.42E-07
1157	569757.16	4215067.77	4.61E-06	2.41E-06	7.02E-06	7.04E-07	3.67E-07	1.07E-06	3.18E-07	1.51E-07	4.68E-07
1158	569761.84	4215076.27	4.88E-06	2.56E-06	7.44E-06	7.46E-07	3.89E-07	1.13E-06	3.37E-07	1.60E-07	4.97E-07
1159	569766.51	4215084.77	5.18E-06	2.71E-06	7.89E-06	7.91E-07	4.12E-07	1.20E-06	3.57E-07	1.70E-07	5.27E-07
1160	569771.19	4215093.27	5.49E-06	2.87E-06	8.37E-06	8.39E-07	4.37E-07	1.28E-06	3.79E-07	1.80E-07	5.59E-07
1161	569775.86	4215101.77	5.82E-06	3.04E-06	8.86E-06	8.88E-07	4.63E-07	1.35E-06	4.01E-07	1.91E-07	5.91E-07
1162	569780.54	4215110.28	6.16E-06	3.22E-06	9.38E-06	9.40E-07	4.90E-07	1.43E-06	4.24E-07	2.02E-07	6.26E-07
1163	569817.93	4215178.29	1.18E-05	6.16E-06	1.79E-05	1.80E-06	9.38E-07	2.74E-06	8.12E-07	3.86E-07	1.20E-06
1164	569822.61	4215186.79	1.33E-05	6.98E-06	2.03E-05	2.04E-06	1.06E-06	3.10E-06	9.20E-07	4.37E-07	1.36E-06
1165	569827.28	4215195.3	1.48E-05	7.75E-06	2.26E-05	2.26E-06	1.18E-06	3.44E-06	1.02E-06	4.85E-07	1.51E-06
1166	569831.96	4215203.8	1.53E-05	8.01E-06	2.33E-05	2.34E-06	1.22E-06	3.56E-06	1.05E-06	5.01E-07	1.56E-06
1167	569836.63	4215212.3	1.56E-05	8.14E-06	2.37E-05	2.38E-06	1.24E-06	3.61E-06	1.07E-06	5.10E-07	1.58E-06
1168	569705.25	4214986.95	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.72E-07	1.99E-07	9.47E-08	2.94E-07
1169	569704.17	4214977.84	2.80E-06	1.46E-06	4.26E-06	4.27E-07	2.23E-07	6.50E-07	1.93E-07	9.17E-08	2.85E-07
1170	569703.09	4214968.73	2.72E-06	1.42E-06	4.15E-06	4.16E-07	2.17E-07	6.32E-07	1.88E-07	8.92E-08	2.77E-07
1171	569702.01	4214959.61	2.66E-06	1.39E-06	4.05E-06	4.06E-07	2.12E-07	6.17E-07	1.83E-07	8.71E-08	2.70E-07
1172	569700.93	4214950.5	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.02E-07	1.79E-07	8.50E-08	2.64E-07
1173	569699.85	4214941.39	2.53E-06	1.32E-06	3.85E-06	3.86E-07	2.01E-07	5.87E-07	1.74E-07	8.28E-08	2.57E-07
1174	569698.78	4214932.27	2.47E-06	1.29E-06	3.76E-06	3.77E-07	1.97E-07	5.74E-07	1.70E-07	8.09E-08	2.51E-07
1175	569697.7	4214923.16	2.40E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.58E-07	1.65E-07	7.87E-08	2.44E-07
1176	569696.62	4214914.05	2.30E-06	1.20E-06	3.50E-06	3.51E-07	1.83E-07	5.34E-07	1.58E-07	7.53E-08	2.34E-07
1177	569695.54	4214904.93	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.11E-07	1.52E-07	7.21E-08	2.24E-07
1178	569694.46	4214895.82	2.11E-06	1.10E-06	3.21E-06	3.22E-07	1.68E-07	4.89E-07	1.45E-07	6.90E-08	2.14E-07
1179	569693.38	4214886.7	2.00E-06	1.05E-06	3.04E-06	3.05E-07	1.59E-07	4.64E-07	1.38E-07	6.54E-08	2.03E-07
1180	569692.3	4214877.59	1.90E-06	9.94E-07	2.89E-06	2.90E-07	1.51E-07	4.41E-07	1.31E-07	6.22E-08	1.93E-07
1181	569691.22	4214868.48	1.81E-06	9.47E-07	2.76E-06	2.76E-07	1.44E-07	4.21E-07	1.25E-07	5.93E-08	1.84E-07
1182	569690.14	4214859.36	1.72E-06	9.02E-07	2.62E-06	2.63E-07	1.37E-07	4.00E-07	1.19E-07	5.65E-08	1.75E-07
1183	569689.06	4214850.25	1.64E-06	8.59E-07	2.50E-06	2.51E-07	1.31E-07	3.81E-07	1.13E-07	5.38E-08	1.67E-07
1184	569687.98	4214841.14	1.57E-06	8.20E-07	2.39E-06	2.39E-07	1.25E-07	3.64E-07	1.08E-07	5.14E-08	1.59E-07
1185	569692.47	4214824.73	1.45E-06	7.57E-07	2.20E-06	2.21E-07	1.15E-07	3.36E-07	9.97E-08	4.74E-08	1.47E-07
1186	569703.61	4214810.14	1.33E-06	6.98E-07	2.03E-06	2.04E-07	1.06E-07	3.10E-07	9.20E-08	4.37E-08	1.36E-07
1187	569714.74	4214795.55	1.26E-06	6.58E-07	1.92E-06	1.92E-07	1.00E-07	2.92E-07	8.67E-08	4.12E-08	1.28E-07
1188	569725.88	4214780.96	1.19E-06	6.24E-07	1.82E-06	1.82E-07	9.49E-08	2.77E-07	8.22E-08	3.91E-08	1.21E-07
1189	569731.45	4214773.66	1.17E-06	6.11E-07	1.78E-06	1.78E-07	9.29E-08	2.71E-07	8.04E-08	3.82E-08	1.19E-07
1190	569742.58	4214759.07	1.13E-06	5.93E-07	1.73E-06	1.73E-07	9.02E-08	2.63E-07	7.81E-08	3.71E-08	1.15E-07
1191	569706.33	4214996.07	3.00E-06	1.57E-06	4.58E-06	4.59E-07	2.39E-07	6.98E-07	2.07E-07	9.84E-08	3.05E-07
1192	569711	4215004.57	3.13E-06	1.64E-06	4.76E-06	4.77E-07	2.49E-07	7.26E-07	2.15E-07	1.02E-07	3.18E-07
1193	569715.68	4215013.07	3.26E-06	1.71E-06	4.97E-06	4.98E-07	2.59E-07	7.57E-07	2.25E-07	1.07E-07	3.32E-07
1194	569720.35	4215021.57	3.42E-06	1.79E-06	5.20E-06	5.21E-07	2.72E-07	7.93E-07	2.35E-07	1.12E-07	3.47E-07
1195	569725.03	4215030.07	3.58E-06	1.87E-06	5.45E-06	5.47E-07	2.85E-07	8.32E-07	2.47E-07	1.17E-07	3.64E-07
1196	569729.7	4215038.58	3.76E-06	1.96E-06	5.72E-06	5.73E-07	2.99E-07	8.72E-07	2.59E-07	1.23E-07	3.82E-07
1197	569734.38	4215047.08	3.94E-06	2.06E-06	6.01E-06	6.02E-07	3.14E-07	9.16E-07	2.72E-07	1.29E-07	4.01E-07
1198	569739.05	4215055.58	4.16E-06	2.18E-06	6.33E-06	6.35E-07	3.31E-07	9.66E-07	2.87E-07	1.36E-07	4.23E-07
1199	569743.73	4215064.08	4.39E-06	2.30E-06	6.68E-06	6.70E-07	3.49E-07	1.02E-06	3.02E-07	1.44E-07	4.46E-07
1200	569748.4	4215072.58	4.63E-06	2.42E-06	7.05E-06	7.07E-07	3.68E-07	1.08E-06	3.19E-07	1.52E-07	4.71E-07
1201	569753.07	4215081.09	4.89E-06	2.56E-06	7.44E-06	7.46E-07	3.89E-07	1.14E-06	3.37E-07	1.60E-07	4.97E-07
1202	569757.75	4215089.59	5.17E-06	2.71E-06	7.88E-06	7.90E-07	4.12E-07	1.20E-06	3.56E-07	1.69E-07	5.26E-07
1203	569762.42	4215098.09	5.47E-06	2.86E-06	8.33E-06	8.35E-07	4.35E-07	1.27E-06	3.77E-07	1.79E-07	5.56E-07
1204	569767.1	4215106.59	5.78E-06	3.03E-06	8.81E-06	8.83E-07	4.60E-07	1.34E-06	3.98E-07	1.89E-07	5.88E-07
1205	569771.77	4215115.09	6.11E-06	3.20E-06	9.31E-06	9.34E-07	4.87E-07	1.42E-06	4.21E-07	2.00E-07	6.22E-07
1206	569809.17	4215183.11	1.15E-05	6.02E-06	1.75E-05	1.76E-06	9.15E-07	2.67E-06	7.93E-07	3.77E-07	1.17E-06
1207	569813.84	4215191.61	1.28E-05	6.71E-06	1.95E-05	1.96E-06	1.02E-06	2.98E-06	8.84E-07	4.20E-07	1.30E-06
1208	569818.52	4215200.11	1.38E-05	7.24E-06	2.11E-05	2.11E-06	1.10E-06	3.21E-06	9.53E-07	4.53E-07	1.41E-06
1209	569823.19	4215208.62	1.43E-05	7.46E-06	2.17E-05	2.18E-06	1.14E-06	3.31E-06	9.83E-07	4.67E-07	1.45E-06
1210	569827.87	4215217.12	1.46E-05	7.61E-06	2.22E-05	2.22E-06	1.16E-06	3.38E-06	1.00E-06	4.77E-07	1.48E-06
1211	569696.44	4214991.36	2.94E-06	1.54E-06	4.47E-06	4.48E-07	2.34E-07	6.82E-07	2.02E-07	9.62E-08	2.99E-07
1212	569695.31	4214981.83	2.84E-06	1.48E-06	4.32E-06	4.33E-07	2.26E-07	6.59E-07	1.96E-07	9.29E-08	2.88E-07
1213	569694.18	4214972.3	2.76E-06	1.44E-06	4.20E-06	4.21E-07	2.19E-07	6.41E-07	1.90E-07	9.03E-08	2.80E-07
1214	569693.05	4214962.77	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.25E-07	1.85E-07	8.82E-08	2.74E-07
1215	569691.93	4214953.25	2.63E-06	1.38E-06	4.00E-06	4.01E-07	2.09E-07	6.11E-07	1.81E-07	8.61E-08	2.67E-07
1216	569690.8	4214943.72	2.55E-06	1.34E-06	3.89E-06	3.90E-07	2.03E-07	5.93E-07	1.76E-07	8.36E-08	2.60E-07

1217	569689.67	4214934.19	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.98E-07	5.77E-07	1.71E-07	8.13E-08	2.52E-07
1218	569688.54	4214924.66	2.41E-06	1.26E-06	3.67E-06	3.68E-07	1.92E-07	5.59E-07	1.66E-07	7.89E-08	2.45E-07
1219	569687.41	4214915.14	2.30E-06	1.20E-06	3.50E-06	3.51E-07	1.83E-07	5.34E-07	1.58E-07	7.53E-08	2.34E-07
1220	569686.28	4214905.61	2.19E-06	1.15E-06	3.34E-06	3.35E-07	1.75E-07	5.10E-07	1.51E-07	7.19E-08	2.23E-07
1221	569685.16	4214896.08	2.10E-06	1.10E-06	3.20E-06	3.20E-07	1.67E-07	4.88E-07	1.45E-07	6.88E-08	2.13E-07
1222	569684.03	4214886.55	1.99E-06	1.04E-06	3.04E-06	3.05E-07	1.59E-07	4.63E-07	1.37E-07	6.53E-08	2.03E-07
1223	569682.9	4214877.02	1.90E-06	9.93E-07	2.89E-06	2.90E-07	1.51E-07	4.41E-07	1.31E-07	6.22E-08	1.93E-07
1224	569681.77	4214867.5	1.81E-06	9.47E-07	2.76E-06	2.76E-07	1.44E-07	4.21E-07	1.25E-07	5.93E-08	1.84E-07
1225	569680.64	4214857.97	1.73E-06	9.03E-07	2.63E-06	2.63E-07	1.37E-07	4.01E-07	1.19E-07	5.65E-08	1.75E-07
1226	569679.52	4214848.44	1.65E-06	8.62E-07	2.51E-06	2.51E-07	1.31E-07	3.83E-07	1.13E-07	5.40E-08	1.67E-07
1227	569678.39	4214838.91	1.57E-06	8.24E-07	2.40E-06	2.40E-07	1.25E-07	3.66E-07	1.09E-07	5.16E-08	1.60E-07
1228	569683.08	4214821.76	1.46E-06	7.62E-07	2.22E-06	2.22E-07	1.16E-07	3.38E-07	1.00E-07	4.77E-08	1.48E-07
1229	569688.9	4214814.13	1.40E-06	7.30E-07	2.13E-06	2.13E-07	1.11E-07	3.24E-07	9.62E-08	4.57E-08	1.42E-07
1230	569694.72	4214806.5	1.34E-06	6.99E-07	2.04E-06	2.04E-07	1.06E-07	3.10E-07	9.21E-08	4.38E-08	1.36E-07
1231	569700.54	4214798.88	1.30E-06	6.83E-07	1.99E-06	1.99E-07	1.04E-07	3.03E-07	8.99E-08	4.27E-08	1.33E-07
1232	569706.36	4214791.25	1.27E-06	6.66E-07	1.94E-06	1.94E-07	1.01E-07	2.96E-07	8.77E-08	4.17E-08	1.29E-07
1233	569712.18	4214783.62	1.24E-06	6.49E-07	1.89E-06	1.89E-07	9.87E-08	2.88E-07	8.54E-08	4.06E-08	1.26E-07
1234	569718	4214776	1.21E-06	6.31E-07	1.84E-06	1.84E-07	9.60E-08	2.80E-07	8.31E-08	3.95E-08	1.23E-07
1235	569723.82	4214768.37	1.19E-06	6.21E-07	1.81E-06	1.81E-07	9.45E-08	2.76E-07	8.18E-08	3.89E-08	1.21E-07
1236	569697.57	4215000.89	3.05E-06	1.60E-06	4.65E-06	4.66E-07	2.43E-07	7.09E-07	2.10E-07	1.00E-07	3.10E-07
1237	569702.24	4215009.39	3.17E-06	1.66E-06	4.83E-06	4.84E-07	2.52E-07	7.37E-07	2.19E-07	1.04E-07	3.22E-07
1238	569706.92	4215017.89	3.31E-06	1.73E-06	5.04E-06	5.05E-07	2.63E-07	7.68E-07	2.28E-07	1.08E-07	3.36E-07
1239	569711.59	4215026.39	3.46E-06	1.81E-06	5.27E-06	5.28E-07	2.75E-07	8.04E-07	2.38E-07	1.13E-07	3.52E-07
1240	569716.26	4215034.89	3.62E-06	1.90E-06	5.52E-06	5.53E-07	2.88E-07	8.41E-07	2.50E-07	1.19E-07	3.68E-07
1241	569720.94	4215043.39	3.79E-06	1.98E-06	5.78E-06	5.79E-07	3.02E-07	8.81E-07	2.61E-07	1.24E-07	3.86E-07
1242	569725.61	4215051.9	3.99E-06	2.09E-06	6.07E-06	6.09E-07	3.17E-07	9.26E-07	2.75E-07	1.31E-07	4.05E-07
1243	569730.29	4215060.4	4.20E-06	2.20E-06	6.39E-06	6.41E-07	3.34E-07	9.74E-07	2.89E-07	1.37E-07	4.27E-07
1244	569734.96	4215068.9	4.42E-06	2.31E-06	6.73E-06	6.75E-07	3.52E-07	1.03E-06	3.04E-07	1.45E-07	4.49E-07
1245	569739.64	4215077.4	4.65E-06	2.43E-06	7.08E-06	7.10E-07	3.70E-07	1.08E-06	3.20E-07	1.52E-07	4.73E-07
1246	569744.31	4215085.9	4.90E-06	2.57E-06	7.47E-06	7.49E-07	3.90E-07	1.14E-06	3.38E-07	1.61E-07	4.99E-07
1247	569748.99	4215094.41	5.17E-06	2.70E-06	7.87E-06	7.89E-07	4.11E-07	1.20E-06	3.56E-07	1.69E-07	5.25E-07
1248	569753.66	4215102.91	5.44E-06	2.85E-06	8.29E-06	8.31E-07	4.33E-07	1.26E-06	3.75E-07	1.78E-07	5.53E-07
1249	569758.34	4215111.41	5.75E-06	3.01E-06	8.75E-06	8.77E-07	4.57E-07	1.33E-06	3.96E-07	1.88E-07	5.84E-07
1250	569763.01	4215119.91	6.07E-06	3.18E-06	9.25E-06	9.27E-07	4.83E-07	1.41E-06	4.18E-07	1.99E-07	6.17E-07
1251	569800.41	4215187.93	1.13E-05	5.90E-06	1.72E-05	1.72E-06	8.97E-07	2.62E-06	7.77E-07	3.69E-07	1.15E-06
1252	569805.08	4215196.43	1.25E-05	6.52E-06	1.90E-05	1.90E-06	9.92E-07	2.90E-06	8.59E-07	4.08E-07	1.27E-06
1253	569809.76	4215204.93	1.30E-05	6.78E-06	1.98E-05	1.98E-06	1.03E-06	3.01E-06	8.94E-07	4.25E-07	1.32E-06
1254	569814.43	4215213.43	1.34E-05	7.01E-06	2.04E-05	2.05E-06	1.07E-06	3.11E-06	9.24E-07	4.39E-07	1.36E-06
1255	569819.11	4215221.94	1.37E-05	7.19E-06	2.09E-05	2.10E-06	1.09E-06	3.19E-06	9.47E-07	4.50E-07	1.40E-06
1256	569687.69	4214996.28	2.99E-06	1.56E-06	4.55E-06	4.56E-07	2.38E-07	6.93E-07	2.06E-07	9.78E-08	3.04E-07
1257	569686.57	4214986.87	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.71E-07	1.99E-07	9.46E-08	2.94E-07
1258	569685.46	4214977.45	2.80E-06	1.47E-06	4.27E-06	4.28E-07	2.23E-07	6.51E-07	1.93E-07	9.18E-08	2.85E-07
1259	569684.34	4214968.03	2.73E-06	1.43E-06	4.16E-06	4.17E-07	2.17E-07	6.34E-07	1.88E-07	8.94E-08	2.78E-07
1260	569683.23	4214958.61	2.67E-06	1.40E-06	4.06E-06	4.07E-07	2.12E-07	6.20E-07	1.84E-07	8.74E-08	2.71E-07
1261	569682.11	4214949.19	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.02E-07	1.79E-07	8.49E-08	2.63E-07
1262	569681	4214939.77	2.51E-06	1.31E-06	3.82E-06	3.83E-07	2.00E-07	5.83E-07	1.73E-07	8.22E-08	2.55E-07
1263	569679.88	4214930.35	2.43E-06	1.27E-06	3.71E-06	3.72E-07	1.94E-07	5.65E-07	1.68E-07	7.97E-08	2.47E-07
1264	569678.77	4214920.93	2.34E-06	1.22E-06	3.57E-06	3.57E-07	1.86E-07	5.44E-07	1.61E-07	7.67E-08	2.38E-07
1265	569677.65	4214911.52	2.24E-06	1.17E-06	3.41E-06	3.42E-07	1.78E-07	5.20E-07	1.54E-07	7.34E-08	2.28E-07
1266	569676.54	4214902.1	2.15E-06	1.12E-06	3.27E-06	3.28E-07	1.71E-07	4.99E-07	1.48E-07	7.03E-08	2.18E-07
1267	569675.42	4214892.68	2.05E-06	1.07E-06	3.13E-06	3.14E-07	1.63E-07	4.77E-07	1.42E-07	6.73E-08	2.09E-07
1268	569674.31	4214883.26	1.96E-06	1.03E-06	2.99E-06	2.99E-07	1.56E-07	4.55E-07	1.35E-07	6.42E-08	1.99E-07
1269	569673.19	4214873.84	1.87E-06	9.81E-07	2.85E-06	2.86E-07	1.49E-07	4.35E-07	1.29E-07	6.14E-08	1.91E-07
1270	569672.08	4214864.42	1.79E-06	9.38E-07	2.73E-06	2.74E-07	1.43E-07	4.17E-07	1.24E-07	5.87E-08	1.82E-07
1271	569670.96	4214855	1.72E-06	8.98E-07	2.62E-06	2.62E-07	1.37E-07	3.99E-07	1.18E-07	5.63E-08	1.75E-07
1272	569669.84	4214845.58	1.65E-06	8.62E-07	2.51E-06	2.51E-07	1.31E-07	3.83E-07	1.13E-07	5.40E-08	1.67E-07
1273	569668.73	4214836.17	1.58E-06	8.28E-07	2.41E-06	2.42E-07	1.26E-07	3.67E-07	1.09E-07	5.18E-08	1.61E-07
1274	569673.37	4214819.21	1.48E-06	7.72E-07	2.25E-06	2.25E-07	1.17E-07	3.43E-07	1.02E-07	4.83E-08	1.50E-07
1275	569679.12	4214811.67	1.42E-06	7.41E-07	2.16E-06	2.16E-07	1.13E-07	3.29E-07	9.75E-08	4.64E-08	1.44E-07
1276	569684.88	4214804.13	1.36E-06	7.13E-07	2.08E-06	2.08E-07	1.08E-07	3.17E-07	9.39E-08	4.47E-08	1.39E-07
1277	569690.63	4214796.59	1.33E-06	6.97E-07	2.03E-06	2.04E-07	1.06E-07	3.10E-07	9.19E-08	4.37E-08	1.36E-07

1278	569696.38	4214789.05	1.30E-06	6.82E-07	1.99E-06	1.99E-07	1.04E-07	3.03E-07	8.99E-08	4.27E-08	1.33E-07
1279	569688.8	4215005.7	3.09E-06	1.62E-06	4.71E-06	4.73E-07	2.46E-07	7.19E-07	2.13E-07	1.01E-07	3.15E-07
1280	569693.48	4215014.21	3.21E-06	1.68E-06	4.89E-06	4.91E-07	2.56E-07	7.46E-07	2.21E-07	1.05E-07	3.27E-07
1281	569698.15	4215022.71	3.35E-06	1.75E-06	5.10E-06	5.12E-07	2.67E-07	7.78E-07	2.31E-07	1.10E-07	3.41E-07
1282	569702.83	4215031.21	3.50E-06	1.83E-06	5.33E-06	5.34E-07	2.78E-07	8.13E-07	2.41E-07	1.15E-07	3.56E-07
1283	569707.5	4215039.71	3.66E-06	1.91E-06	5.57E-06	5.58E-07	2.91E-07	8.49E-07	2.52E-07	1.20E-07	3.72E-07
1284	569712.18	4215048.21	3.83E-06	2.00E-06	5.83E-06	5.84E-07	3.05E-07	8.89E-07	2.64E-07	1.25E-07	3.89E-07
1285	569716.85	4215056.71	4.02E-06	2.10E-06	6.12E-06	6.14E-07	3.20E-07	9.34E-07	2.77E-07	1.32E-07	4.09E-07
1286	569721.53	4215065.22	4.22E-06	2.21E-06	6.43E-06	6.45E-07	3.36E-07	9.81E-07	2.91E-07	1.38E-07	4.29E-07
1287	569726.2	4215073.72	4.44E-06	2.32E-06	6.76E-06	6.77E-07	3.53E-07	1.03E-06	3.06E-07	1.45E-07	4.51E-07
1288	569730.87	4215082.22	4.67E-06	2.44E-06	7.11E-06	7.13E-07	3.72E-07	1.08E-06	3.22E-07	1.53E-07	4.75E-07
1289	569735.55	4215090.72	4.92E-06	2.57E-06	7.49E-06	7.51E-07	3.91E-07	1.14E-06	3.39E-07	1.61E-07	5.00E-07
1290	569740.22	4215099.22	5.18E-06	2.71E-06	7.88E-06	7.90E-07	4.12E-07	1.20E-06	3.57E-07	1.70E-07	5.26E-07
1291	569744.9	4215107.73	5.44E-06	2.85E-06	8.29E-06	8.31E-07	4.33E-07	1.26E-06	3.75E-07	1.78E-07	5.53E-07
1292	569749.57	4215116.23	5.73E-06	3.00E-06	8.73E-06	8.75E-07	4.56E-07	1.33E-06	3.95E-07	1.88E-07	5.83E-07
1293	569754.25	4215124.73	6.03E-06	3.16E-06	9.19E-06	9.21E-07	4.80E-07	1.40E-06	4.16E-07	1.98E-07	6.13E-07
1294	569786.97	4215184.24	9.92E-06	5.19E-06	1.51E-05	1.51E-06	7.89E-07	2.30E-06	6.83E-07	3.25E-07	1.01E-06
1295	569791.64	4215192.75	1.10E-05	5.76E-06	1.68E-05	1.68E-06	8.76E-07	2.56E-06	7.59E-07	3.61E-07	1.12E-06
1296	569796.32	4215201.25	1.18E-05	6.16E-06	1.79E-05	1.80E-06	9.38E-07	2.74E-06	8.12E-07	3.86E-07	1.20E-06
1297	569800.99	4215209.75	1.23E-05	6.42E-06	1.87E-05	1.87E-06	9.77E-07	2.85E-06	8.46E-07	4.02E-07	1.25E-06
1298	569805.67	4215218.25	1.27E-05	6.65E-06	1.94E-05	1.94E-06	1.01E-06	2.95E-06	8.76E-07	4.16E-07	1.29E-06
1299	569810.34	4215226.75	1.30E-05	6.82E-06	1.99E-05	1.99E-06	1.04E-06	3.03E-06	8.98E-07	4.27E-07	1.33E-06
1300	569678.94	4215001.2	3.03E-06	1.58E-06	4.61E-06	4.62E-07	2.41E-07	7.04E-07	2.09E-07	9.92E-08	3.08E-07
1301	569677.83	4214991.88	2.94E-06	1.54E-06	4.47E-06	4.48E-07	2.34E-07	6.82E-07	2.02E-07	9.62E-08	2.99E-07
1302	569676.73	4214982.56	2.85E-06	1.49E-06	4.35E-06	4.36E-07	2.27E-07	6.63E-07	1.97E-07	9.35E-08	2.90E-07
1303	569675.63	4214973.24	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.45E-07	1.91E-07	9.09E-08	2.82E-07
1304	569674.52	4214963.92	2.71E-06	1.42E-06	4.12E-06	4.13E-07	2.15E-07	6.28E-07	1.86E-07	8.86E-08	2.75E-07
1305	569673.42	4214954.6	2.64E-06	1.38E-06	4.02E-06	4.03E-07	2.10E-07	6.12E-07	1.82E-07	8.64E-08	2.68E-07
1306	569672.32	4214945.28	2.55E-06	1.33E-06	3.88E-06	3.89E-07	2.03E-07	5.92E-07	1.76E-07	8.35E-08	2.59E-07
1307	569671.21	4214935.96	2.46E-06	1.29E-06	3.75E-06	3.76E-07	1.96E-07	5.72E-07	1.70E-07	8.06E-08	2.50E-07
1308	569670.11	4214926.64	2.38E-06	1.24E-06	3.62E-06	3.63E-07	1.89E-07	5.52E-07	1.64E-07	7.79E-08	2.42E-07
1309	569669	4214917.31	2.28E-06	1.19E-06	3.48E-06	3.48E-07	1.82E-07	5.30E-07	1.57E-07	7.47E-08	2.32E-07
1310	569667.9	4214907.99	2.19E-06	1.15E-06	3.34E-06	3.34E-07	1.74E-07	5.09E-07	1.51E-07	7.17E-08	2.23E-07
1311	569666.8	4214898.67	2.10E-06	1.10E-06	3.20E-06	3.21E-07	1.67E-07	4.89E-07	1.45E-07	6.89E-08	2.14E-07
1312	569665.69	4214889.35	2.02E-06	1.05E-06	3.07E-06	3.08E-07	1.60E-07	4.68E-07	1.39E-07	6.60E-08	2.05E-07
1313	569664.59	4214880.03	1.93E-06	1.01E-06	2.94E-06	2.95E-07	1.54E-07	4.49E-07	1.33E-07	6.33E-08	1.96E-07
1314	569663.49	4214870.71	1.85E-06	9.70E-07	2.82E-06	2.83E-07	1.48E-07	4.31E-07	1.28E-07	6.07E-08	1.88E-07
1315	569662.38	4214861.39	1.78E-06	9.32E-07	2.71E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.83E-08	1.81E-07
1316	569661.28	4214852.07	1.71E-06	8.97E-07	2.61E-06	2.62E-07	1.36E-07	3.98E-07	1.18E-07	5.61E-08	1.74E-07
1317	569660.18	4214842.75	1.65E-06	8.64E-07	2.52E-06	2.52E-07	1.31E-07	3.84E-07	1.14E-07	5.41E-08	1.68E-07
1318	569659.07	4214833.43	1.60E-06	8.36E-07	2.43E-06	2.44E-07	1.27E-07	3.71E-07	1.10E-07	5.23E-08	1.62E-07
1319	569680.04	4215010.52	3.13E-06	1.64E-06	4.77E-06	4.78E-07	2.49E-07	7.27E-07	2.16E-07	1.03E-07	3.18E-07
1320	569684.71	4215019.02	3.25E-06	1.70E-06	4.95E-06	4.96E-07	2.59E-07	7.55E-07	2.24E-07	1.06E-07	3.30E-07
1321	569689.39	4215027.52	3.39E-06	1.77E-06	5.16E-06	5.17E-07	2.70E-07	7.87E-07	2.33E-07	1.11E-07	3.44E-07
1322	569694.06	4215036.03	3.53E-06	1.85E-06	5.38E-06	5.39E-07	2.81E-07	8.20E-07	2.43E-07	1.16E-07	3.59E-07
1323	569698.74	4215044.53	3.68E-06	1.93E-06	5.61E-06	5.63E-07	2.93E-07	8.56E-07	2.54E-07	1.21E-07	3.75E-07
1324	569703.41	4215053.03	3.86E-06	2.02E-06	5.88E-06	5.89E-07	3.07E-07	8.97E-07	2.66E-07	1.26E-07	3.92E-07
1325	569708.09	4215061.53	4.05E-06	2.12E-06	6.17E-06	6.18E-07	3.22E-07	9.41E-07	2.79E-07	1.33E-07	4.12E-07
1326	569712.76	4215070.03	4.25E-06	2.22E-06	6.47E-06	6.48E-07	3.38E-07	9.86E-07	2.93E-07	1.39E-07	4.32E-07
1327	569717.44	4215078.54	4.46E-06	2.33E-06	6.79E-06	6.80E-07	3.55E-07	1.03E-06	3.07E-07	1.46E-07	4.53E-07
1328	569722.11	4215087.04	4.69E-06	2.45E-06	7.14E-06	7.16E-07	3.73E-07	1.09E-06	3.23E-07	1.54E-07	4.76E-07
1329	569726.79	4215095.54	4.93E-06	2.58E-06	7.51E-06	7.53E-07	3.92E-07	1.15E-06	3.40E-07	1.61E-07	5.01E-07
1330	569731.46	4215104.04	5.18E-06	2.71E-06	7.90E-06	7.91E-07	4.12E-07	1.20E-06	3.57E-07	1.70E-07	5.27E-07
1331	569736.14	4215112.54	5.46E-06	2.86E-06	8.32E-06	8.34E-07	4.35E-07	1.27E-06	3.76E-07	1.79E-07	5.55E-07
1332	569740.81	4215121.05	5.76E-06	3.01E-06	8.77E-06	8.79E-07	4.58E-07	1.34E-06	3.97E-07	1.89E-07	5.85E-07
1333	569773.53	4215180.56	9.13E-06	4.78E-06	1.39E-05	1.39E-06	7.26E-07	2.12E-06	6.29E-07	2.99E-07	9.28E-07
1334	569778.21	4215189.06	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
1335	569782.88	4215197.56	1.07E-05	5.59E-06	1.63E-05	1.63E-06	8.50E-07	2.48E-06	7.36E-07	3.50E-07	1.09E-06
1336	569787.56	4215206.07	1.12E-05	5.86E-06	1.70E-05	1.71E-06	8.91E-07	2.60E-06	7.71E-07	3.67E-07	1.14E-06
1337	569792.23	4215214.57	1.17E-05	6.11E-06	1.78E-05	1.78E-06	9.30E-07	2.71E-06	8.05E-07	3.83E-07	1.19E-06
1338	569796.91	4215223.07	1.21E-05	6.34E-06	1.85E-05	1.85E-06	9.64E-07	2.81E-06	8.35E-07	3.97E-07	1.23E-06

1339	569801.58	4215231.57	1.20E-05	6.29E-06	1.83E-05	1.84E-06	9.57E-07	2.79E-06	8.28E-07	3.94E-07	1.22E-06
1340	569670.18	4215006.11	3.06E-06	1.60E-06	4.67E-06	4.68E-07	2.44E-07	7.12E-07	2.11E-07	1.00E-07	3.12E-07
1341	569669.09	4214996.88	2.98E-06	1.56E-06	4.54E-06	4.55E-07	2.37E-07	6.92E-07	2.05E-07	9.76E-08	3.03E-07
1342	569668	4214987.64	2.90E-06	1.52E-06	4.42E-06	4.44E-07	2.31E-07	6.75E-07	2.00E-07	9.51E-08	2.95E-07
1343	569666.91	4214978.41	2.83E-06	1.48E-06	4.30E-06	4.31E-07	2.25E-07	6.56E-07	1.95E-07	9.26E-08	2.87E-07
1344	569665.81	4214969.18	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.39E-07	1.89E-07	9.01E-08	2.80E-07
1345	569664.72	4214959.95	2.68E-06	1.40E-06	4.08E-06	4.09E-07	2.13E-07	6.22E-07	1.85E-07	8.77E-08	2.72E-07
1346	569663.63	4214950.72	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.02E-07	1.79E-07	8.50E-08	2.64E-07
1347	569662.53	4214941.48	2.50E-06	1.31E-06	3.80E-06	3.81E-07	1.99E-07	5.80E-07	1.72E-07	8.18E-08	2.54E-07
1348	569661.44	4214932.25	2.41E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.59E-07	1.66E-07	7.88E-08	2.45E-07
1349	569660.35	4214923.02	2.32E-06	1.21E-06	3.53E-06	3.54E-07	1.84E-07	5.38E-07	1.60E-07	7.59E-08	2.36E-07
1350	569659.25	4214913.79	2.23E-06	1.17E-06	3.39E-06	3.40E-07	1.77E-07	5.17E-07	1.54E-07	7.30E-08	2.27E-07
1351	569658.16	4214904.56	2.14E-06	1.12E-06	3.27E-06	3.27E-07	1.71E-07	4.98E-07	1.48E-07	7.02E-08	2.18E-07
1352	569657.07	4214895.32	2.06E-06	1.08E-06	3.14E-06	3.15E-07	1.64E-07	4.79E-07	1.42E-07	6.76E-08	2.10E-07
1353	569655.97	4214886.09	1.98E-06	1.04E-06	3.02E-06	3.03E-07	1.58E-07	4.61E-07	1.37E-07	6.50E-08	2.02E-07
1354	569654.88	4214876.86	1.91E-06	9.98E-07	2.91E-06	2.91E-07	1.52E-07	4.43E-07	1.31E-07	6.25E-08	1.94E-07
1355	569653.79	4214867.63	1.84E-06	9.61E-07	2.80E-06	2.81E-07	1.46E-07	4.27E-07	1.27E-07	6.02E-08	1.87E-07
1356	569652.7	4214858.4	1.77E-06	9.28E-07	2.70E-06	2.71E-07	1.41E-07	4.12E-07	1.22E-07	5.81E-08	1.80E-07
1357	569651.6	4214849.17	1.72E-06	8.98E-07	2.61E-06	2.62E-07	1.37E-07	3.99E-07	1.18E-07	5.62E-08	1.74E-07
1358	569650.51	4214839.93	1.66E-06	8.70E-07	2.53E-06	2.54E-07	1.32E-07	3.86E-07	1.15E-07	5.44E-08	1.69E-07
1359	569671.28	4215015.34	3.16E-06	1.65E-06	4.81E-06	4.83E-07	2.52E-07	7.34E-07	2.18E-07	1.04E-07	3.21E-07
1360	569675.95	4215023.84	3.29E-06	1.72E-06	5.00E-06	5.02E-07	2.61E-07	7.63E-07	2.26E-07	1.08E-07	3.34E-07
1361	569680.63	4215032.34	3.42E-06	1.79E-06	5.21E-06	5.22E-07	2.72E-07	7.94E-07	2.36E-07	1.12E-07	3.48E-07
1362	569685.3	4215040.84	3.56E-06	1.86E-06	5.42E-06	5.43E-07	2.83E-07	8.26E-07	2.45E-07	1.17E-07	3.62E-07
1363	569689.98	4215049.35	3.71E-06	1.94E-06	5.66E-06	5.67E-07	2.95E-07	8.62E-07	2.56E-07	1.22E-07	3.77E-07
1364	569694.65	4215057.85	3.89E-06	2.03E-06	5.92E-06	5.94E-07	3.09E-07	9.03E-07	2.68E-07	1.27E-07	3.95E-07
1365	569699.33	4215066.35	4.07E-06	2.13E-06	6.20E-06	6.22E-07	3.24E-07	9.46E-07	2.81E-07	1.33E-07	4.14E-07
1366	569704	4215074.85	4.26E-06	2.23E-06	6.49E-06	6.51E-07	3.39E-07	9.90E-07	2.94E-07	1.40E-07	4.33E-07
1367	569708.67	4215083.35	4.48E-06	2.34E-06	6.82E-06	6.84E-07	3.56E-07	1.04E-06	3.09E-07	1.47E-07	4.55E-07
1368	569713.35	4215091.86	4.70E-06	2.46E-06	7.17E-06	7.18E-07	3.74E-07	1.09E-06	3.24E-07	1.54E-07	4.78E-07
1369	569718.02	4215100.36	4.94E-06	2.59E-06	7.53E-06	7.55E-07	3.93E-07	1.15E-06	3.41E-07	1.62E-07	5.03E-07
1370	569722.7	4215108.86	5.20E-06	2.72E-06	7.93E-06	7.95E-07	4.14E-07	1.21E-06	3.59E-07	1.70E-07	5.29E-07
1371	569727.37	4215117.36	5.50E-06	2.88E-06	8.38E-06	8.40E-07	4.38E-07	1.28E-06	3.79E-07	1.80E-07	5.59E-07
1372	569764.77	4215185.38	9.22E-06	4.82E-06	1.40E-05	1.41E-06	7.34E-07	2.14E-06	6.35E-07	3.02E-07	9.37E-07
1373	569769.44	4215193.88	9.98E-06	5.22E-06	1.52E-05	1.52E-06	7.94E-07	2.32E-06	6.88E-07	3.27E-07	1.01E-06
1374	569774.12	4215202.38	1.04E-05	5.44E-06	1.58E-05	1.59E-06	8.28E-07	2.42E-06	7.17E-07	3.41E-07	1.06E-06
1375	569778.79	4215210.88	1.08E-05	5.63E-06	1.64E-05	1.64E-06	8.56E-07	2.50E-06	7.41E-07	3.52E-07	1.09E-06
1376	569783.47	4215219.39	1.12E-05	5.85E-06	1.70E-05	1.71E-06	8.90E-07	2.60E-06	7.70E-07	3.66E-07	1.14E-06
1377	569788.14	4215227.89	1.15E-05	5.99E-06	1.74E-05	1.75E-06	9.11E-07	2.66E-06	7.89E-07	3.75E-07	1.16E-06
1378	569792.82	4215236.39	1.11E-05	5.78E-06	1.68E-05	1.69E-06	8.79E-07	2.57E-06	7.61E-07	3.62E-07	1.12E-06
1379	569661.38	4215010.57	3.09E-06	1.61E-06	4.70E-06	4.71E-07	2.46E-07	7.17E-07	2.13E-07	1.01E-07	3.14E-07
1380	569660.24	4215000.98	3.00E-06	1.57E-06	4.57E-06	4.58E-07	2.39E-07	6.97E-07	2.07E-07	9.83E-08	3.05E-07
1381	569659.11	4214991.4	2.92E-06	1.53E-06	4.45E-06	4.46E-07	2.33E-07	6.79E-07	2.01E-07	9.58E-08	2.97E-07
1382	569657.97	4214981.81	2.84E-06	1.49E-06	4.33E-06	4.34E-07	2.26E-07	6.61E-07	1.96E-07	9.32E-08	2.89E-07
1383	569656.84	4214972.22	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.40E-07	1.90E-07	9.02E-08	2.80E-07
1384	569655.7	4214962.64	2.67E-06	1.40E-06	4.06E-06	4.07E-07	2.12E-07	6.20E-07	1.84E-07	8.74E-08	2.71E-07
1385	569654.57	4214953.05	2.58E-06	1.35E-06	3.93E-06	3.94E-07	2.05E-07	5.99E-07	1.78E-07	8.45E-08	2.62E-07
1386	569653.43	4214943.46	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.98E-07	5.77E-07	1.71E-07	8.13E-08	2.52E-07
1387	569652.3	4214933.87	2.39E-06	1.25E-06	3.64E-06	3.65E-07	1.90E-07	5.56E-07	1.65E-07	7.84E-08	2.43E-07
1388	569651.16	4214924.29	2.31E-06	1.21E-06	3.51E-06	3.52E-07	1.83E-07	5.36E-07	1.59E-07	7.55E-08	2.34E-07
1389	569650.03	4214914.7	2.22E-06	1.16E-06	3.38E-06	3.39E-07	1.76E-07	5.15E-07	1.53E-07	7.26E-08	2.25E-07
1390	569648.89	4214905.11	2.13E-06	1.12E-06	3.25E-06	3.26E-07	1.70E-07	4.96E-07	1.47E-07	6.99E-08	2.17E-07
1391	569647.76	4214895.53	2.06E-06	1.08E-06	3.13E-06	3.14E-07	1.64E-07	4.77E-07	1.42E-07	6.73E-08	2.09E-07
1392	569646.62	4214885.94	1.98E-06	1.04E-06	3.01E-06	3.02E-07	1.57E-07	4.59E-07	1.36E-07	6.48E-08	2.01E-07
1393	569645.49	4214876.35	1.91E-06	9.97E-07	2.90E-06	2.91E-07	1.52E-07	4.43E-07	1.31E-07	6.24E-08	1.94E-07
1394	569644.35	4214866.77	1.84E-06	9.62E-07	2.80E-06	2.81E-07	1.46E-07	4.27E-07	1.27E-07	6.03E-08	1.87E-07
1395	569643.22	4214857.18	1.78E-06	9.32E-07	2.71E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.84E-08	1.81E-07
1396	569662.51	4215020.16	3.19E-06	1.67E-06	4.86E-06	4.87E-07	2.54E-07	7.41E-07	2.20E-07	1.05E-07	3.25E-07
1397	569667.19	4215028.66	3.31E-06	1.73E-06	5.05E-06	5.06E-07	2.64E-07	7.70E-07	2.28E-07	1.09E-07	3.37E-07
1398	569671.86	4215037.16	3.44E-06	1.80E-06	5.24E-06	5.26E-07	2.74E-07	8.00E-07	2.37E-07	1.13E-07	3.50E-07
1399	569676.54	4215045.66	3.58E-06	1.87E-06	5.45E-06	5.46E-07	2.85E-07	8.31E-07	2.47E-07	1.17E-07	3.64E-07

1400	569681.21	4215054.16	3.74E-06	1.96E-06	5.69E-06	5.71E-07	2.97E-07	8.68E-07	2.58E-07	1.22E-07	3.80E-07
1401	569685.89	4215062.67	3.91E-06	2.05E-06	5.95E-06	5.97E-07	3.11E-07	9.08E-07	2.69E-07	1.28E-07	3.97E-07
1402	569690.56	4215071.17	4.09E-06	2.14E-06	6.23E-06	6.24E-07	3.25E-07	9.50E-07	2.82E-07	1.34E-07	4.16E-07
1403	569695.24	4215079.67	4.28E-06	2.24E-06	6.53E-06	6.54E-07	3.41E-07	9.95E-07	2.95E-07	1.40E-07	4.36E-07
1404	569699.91	4215088.17	4.50E-06	2.35E-06	6.85E-06	6.87E-07	3.58E-07	1.04E-06	3.10E-07	1.47E-07	4.57E-07
1405	569704.59	4215096.67	4.72E-06	2.47E-06	7.20E-06	7.21E-07	3.76E-07	1.10E-06	3.26E-07	1.55E-07	4.80E-07
1406	569709.26	4215105.18	4.96E-06	2.60E-06	7.56E-06	7.58E-07	3.95E-07	1.15E-06	3.42E-07	1.63E-07	5.05E-07
1407	569713.94	4215113.68	5.23E-06	2.74E-06	7.96E-06	7.98E-07	4.16E-07	1.21E-06	3.60E-07	1.71E-07	5.31E-07
1408	569718.61	4215122.18	5.54E-06	2.90E-06	8.44E-06	8.46E-07	4.41E-07	1.29E-06	3.82E-07	1.81E-07	5.63E-07
1409	569751.33	4215181.69	8.63E-06	4.52E-06	1.31E-05	1.32E-06	6.87E-07	2.00E-06	5.95E-07	2.83E-07	8.78E-07
1410	569756.01	4215190.2	9.28E-06	4.85E-06	1.41E-05	1.42E-06	7.38E-07	2.16E-06	6.39E-07	3.04E-07	9.43E-07
1411	569760.68	4215198.7	9.84E-06	5.15E-06	1.50E-05	1.50E-06	7.83E-07	2.28E-06	6.78E-07	3.22E-07	1.00E-06
1412	569765.36	4215207.2	1.01E-05	5.26E-06	1.53E-05	1.54E-06	8.01E-07	2.34E-06	6.93E-07	3.30E-07	1.02E-06
1413	569770.03	4215215.7	1.04E-05	5.42E-06	1.58E-05	1.58E-06	8.24E-07	2.40E-06	7.13E-07	3.39E-07	1.05E-06
1414	569774.71	4215224.2	1.07E-05	5.60E-06	1.63E-05	1.63E-06	8.51E-07	2.49E-06	7.37E-07	3.51E-07	1.09E-06
1415	569779.38	4215232.71	1.05E-05	5.51E-06	1.60E-05	1.61E-06	8.37E-07	2.44E-06	7.25E-07	3.45E-07	1.07E-06
1416	569784.05	4215241.21	1.01E-05	5.29E-06	1.54E-05	1.54E-06	8.04E-07	2.35E-06	6.96E-07	3.31E-07	1.03E-06
1417	569652.63	4215015.49	3.11E-06	1.63E-06	4.73E-06	4.75E-07	2.47E-07	7.22E-07	2.14E-07	1.02E-07	3.16E-07
1418	569651.5	4215006	3.02E-06	1.58E-06	4.60E-06	4.61E-07	2.40E-07	7.02E-07	2.08E-07	9.89E-08	3.07E-07
1419	569650.38	4214996.5	2.94E-06	1.54E-06	4.48E-06	4.49E-07	2.34E-07	6.83E-07	2.03E-07	9.63E-08	2.99E-07
1420	569649.26	4214987.01	2.87E-06	1.50E-06	4.37E-06	4.38E-07	2.28E-07	6.66E-07	1.98E-07	9.40E-08	2.92E-07
1421	569648.13	4214977.52	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.45E-07	1.91E-07	9.09E-08	2.82E-07
1422	569647.01	4214968.03	2.68E-06	1.40E-06	4.09E-06	4.10E-07	2.13E-07	6.23E-07	1.85E-07	8.79E-08	2.73E-07
1423	569645.89	4214958.54	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.02E-07	1.79E-07	8.49E-08	2.64E-07
1424	569644.76	4214949.05	2.50E-06	1.31E-06	3.81E-06	3.82E-07	1.99E-07	5.81E-07	1.72E-07	8.19E-08	2.54E-07
1425	569643.64	4214939.56	2.41E-06	1.26E-06	3.68E-06	3.69E-07	1.92E-07	5.61E-07	1.66E-07	7.91E-08	2.45E-07
1426	569642.52	4214930.07	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.86E-07	5.42E-07	1.61E-07	7.64E-08	2.37E-07
1427	569641.39	4214920.58	2.25E-06	1.18E-06	3.43E-06	3.43E-07	1.79E-07	5.22E-07	1.55E-07	7.37E-08	2.29E-07
1428	569640.27	4214911.09	2.17E-06	1.13E-06	3.30E-06	3.31E-07	1.72E-07	5.03E-07	1.49E-07	7.10E-08	2.20E-07
1429	569639.14	4214901.6	2.09E-06	1.09E-06	3.19E-06	3.19E-07	1.66E-07	4.86E-07	1.44E-07	6.85E-08	2.13E-07
1430	569638.02	4214892.11	2.02E-06	1.06E-06	3.08E-06	3.08E-07	1.61E-07	4.69E-07	1.39E-07	6.61E-08	2.05E-07
1431	569636.9	4214882.62	1.95E-06	1.02E-06	2.97E-06	2.98E-07	1.55E-07	4.53E-07	1.34E-07	6.39E-08	1.98E-07
1432	569635.77	4214873.13	1.89E-06	9.88E-07	2.88E-06	2.88E-07	1.50E-07	4.38E-07	1.30E-07	6.18E-08	1.92E-07
1433	569634.65	4214863.64	1.83E-06	9.58E-07	2.79E-06	2.80E-07	1.46E-07	4.25E-07	1.26E-07	6.00E-08	1.86E-07
1434	569653.75	4215024.98	3.22E-06	1.68E-06	4.90E-06	4.92E-07	2.56E-07	7.48E-07	2.22E-07	1.05E-07	3.27E-07
1435	569658.43	4215033.48	3.34E-06	1.75E-06	5.08E-06	5.10E-07	2.66E-07	7.75E-07	2.30E-07	1.09E-07	3.39E-07
1436	569663.1	4215041.98	3.46E-06	1.81E-06	5.27E-06	5.29E-07	2.75E-07	8.04E-07	2.39E-07	1.13E-07	3.52E-07
1437	569667.78	4215050.48	3.60E-06	1.88E-06	5.49E-06	5.50E-07	2.87E-07	8.37E-07	2.48E-07	1.18E-07	3.66E-07
1438	569672.45	4215058.98	3.76E-06	1.97E-06	5.72E-06	5.74E-07	2.99E-07	8.72E-07	2.59E-07	1.23E-07	3.82E-07
1439	569677.13	4215067.48	3.92E-06	2.05E-06	5.97E-06	5.99E-07	3.12E-07	9.10E-07	2.70E-07	1.28E-07	3.99E-07
1440	569681.8	4215075.99	4.09E-06	2.14E-06	6.23E-06	6.25E-07	3.26E-07	9.50E-07	2.82E-07	1.34E-07	4.16E-07
1441	569686.47	4215084.49	4.29E-06	2.25E-06	6.54E-06	6.56E-07	3.42E-07	9.98E-07	2.96E-07	1.41E-07	4.37E-07
1442	569691.15	4215092.99	4.52E-06	2.36E-06	6.88E-06	6.89E-07	3.59E-07	1.05E-06	3.11E-07	1.48E-07	4.59E-07
1443	569695.82	4215101.49	4.75E-06	2.48E-06	7.23E-06	7.25E-07	3.78E-07	1.10E-06	3.27E-07	1.56E-07	4.83E-07
1444	569700.5	4215109.99	4.98E-06	2.61E-06	7.59E-06	7.61E-07	3.97E-07	1.16E-06	3.43E-07	1.63E-07	5.07E-07
1445	569737.9	4215178.01	8.12E-06	4.25E-06	1.24E-05	1.24E-06	6.46E-07	1.89E-06	5.59E-07	2.66E-07	8.25E-07
1446	569742.57	4215186.51	8.69E-06	4.54E-06	1.32E-05	1.33E-06	6.91E-07	2.02E-06	5.99E-07	2.85E-07	8.83E-07
1447	569747.24	4215195.01	9.32E-06	4.87E-06	1.42E-05	1.42E-06	7.41E-07	2.16E-06	6.42E-07	3.05E-07	9.47E-07
1448	569751.92	4215203.52	9.51E-06	4.98E-06	1.45E-05	1.45E-06	7.57E-07	2.21E-06	6.56E-07	3.12E-07	9.67E-07
1449	569756.59	4215212.02	9.67E-06	5.06E-06	1.47E-05	1.48E-06	7.70E-07	2.25E-06	6.66E-07	3.17E-07	9.83E-07
1450	569761.27	4215220.52	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
1451	569765.94	4215229.02	9.98E-06	5.22E-06	1.52E-05	1.52E-06	7.94E-07	2.32E-06	6.88E-07	3.27E-07	1.01E-06
1452	569770.62	4215237.52	9.63E-06	5.04E-06	1.47E-05	1.47E-06	7.67E-07	2.24E-06	6.64E-07	3.16E-07	9.79E-07
1453	569775.29	4215246.03	9.28E-06	4.86E-06	1.41E-05	1.42E-06	7.39E-07	2.16E-06	6.40E-07	3.04E-07	9.44E-07
1454	569643.88	4215020.39	3.13E-06	1.64E-06	4.77E-06	4.78E-07	2.49E-07	7.28E-07	2.16E-07	1.03E-07	3.18E-07
1455	569642.76	4215010.99	3.04E-06	1.59E-06	4.63E-06	4.64E-07	2.42E-07	7.06E-07	2.09E-07	9.96E-08	3.09E-07
1456	569641.65	4215001.59	2.96E-06	1.55E-06	4.51E-06	4.52E-07	2.36E-07	6.87E-07	2.04E-07	9.70E-08	3.01E-07
1457	569640.54	4214992.19	2.89E-06	1.51E-06	4.39E-06	4.41E-07	2.30E-07	6.70E-07	1.99E-07	9.45E-08	2.93E-07
1458	569639.42	4214982.78	2.80E-06	1.47E-06	4.27E-06	4.28E-07	2.23E-07	6.51E-07	1.93E-07	9.19E-08	2.85E-07
1459	569638.31	4214973.38	2.71E-06	1.42E-06	4.12E-06	4.13E-07	2.15E-07	6.28E-07	1.86E-07	8.86E-08	2.75E-07
1460	569637.2	4214963.98	2.61E-06	1.36E-06	3.97E-06	3.98E-07	2.08E-07	6.06E-07	1.80E-07	8.55E-08	2.65E-07

1461	569636.08	4214954.58	2.52E-06	1.32E-06	3.83E-06	3.84E-07	2.00E-07	5.84E-07	1.73E-07	8.24E-08	2.56E-07
1462	569634.97	4214945.18	2.43E-06	1.27E-06	3.70E-06	3.71E-07	1.93E-07	5.65E-07	1.67E-07	7.96E-08	2.47E-07
1463	569633.86	4214935.78	2.35E-06	1.23E-06	3.58E-06	3.59E-07	1.87E-07	5.46E-07	1.62E-07	7.70E-08	2.39E-07
1464	569632.74	4214926.37	2.28E-06	1.19E-06	3.47E-06	3.48E-07	1.81E-07	5.29E-07	1.57E-07	7.46E-08	2.31E-07
1465	569631.63	4214916.97	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.11E-07	1.52E-07	7.20E-08	2.24E-07
1466	569630.52	4214907.57	2.13E-06	1.11E-06	3.24E-06	3.25E-07	1.69E-07	4.94E-07	1.46E-07	6.96E-08	2.16E-07
1467	569629.4	4214898.17	2.06E-06	1.08E-06	3.13E-06	3.14E-07	1.64E-07	4.78E-07	1.42E-07	6.74E-08	2.09E-07
1468	569628.29	4214888.77	1.99E-06	1.04E-06	3.04E-06	3.04E-07	1.59E-07	4.63E-07	1.37E-07	6.53E-08	2.03E-07
1469	569627.18	4214879.37	1.93E-06	1.01E-06	2.95E-06	2.95E-07	1.54E-07	4.49E-07	1.33E-07	6.34E-08	1.97E-07
1470	569626.07	4214869.96	1.88E-06	9.84E-07	2.86E-06	2.87E-07	1.50E-07	4.37E-07	1.30E-07	6.16E-08	1.91E-07
1471	569644.99	4215029.79	3.24E-06	1.69E-06	4.93E-06	4.95E-07	2.58E-07	7.52E-07	2.23E-07	1.06E-07	3.29E-07
1472	569649.66	4215038.3	3.35E-06	1.75E-06	5.11E-06	5.12E-07	2.67E-07	7.79E-07	2.31E-07	1.10E-07	3.41E-07
1473	569654.34	4215046.8	3.47E-06	1.82E-06	5.29E-06	5.30E-07	2.76E-07	8.07E-07	2.39E-07	1.14E-07	3.53E-07
1474	569659.01	4215055.3	3.62E-06	1.89E-06	5.51E-06	5.52E-07	2.88E-07	8.40E-07	2.49E-07	1.19E-07	3.68E-07
1475	569663.69	4215063.8	3.77E-06	1.97E-06	5.74E-06	5.75E-07	3.00E-07	8.75E-07	2.60E-07	1.23E-07	3.83E-07
1476	569668.36	4215072.3	3.92E-06	2.05E-06	5.97E-06	5.99E-07	3.12E-07	9.11E-07	2.70E-07	1.28E-07	3.99E-07
1477	569673.04	4215080.8	4.10E-06	2.14E-06	6.24E-06	6.26E-07	3.26E-07	9.52E-07	2.82E-07	1.34E-07	4.17E-07
1478	569677.71	4215089.31	4.30E-06	2.25E-06	6.55E-06	6.56E-07	3.42E-07	9.98E-07	2.96E-07	1.41E-07	4.37E-07
1479	569682.39	4215097.81	4.51E-06	2.36E-06	6.87E-06	6.89E-07	3.59E-07	1.05E-06	3.11E-07	1.48E-07	4.59E-07
1480	569687.06	4215106.31	4.75E-06	2.49E-06	7.24E-06	7.25E-07	3.78E-07	1.10E-06	3.27E-07	1.56E-07	4.83E-07
1481	569691.74	4215114.81	4.99E-06	2.61E-06	7.60E-06	7.62E-07	3.97E-07	1.16E-06	3.44E-07	1.63E-07	5.07E-07
1482	569724.46	4215174.33	7.67E-06	4.01E-06	1.17E-05	1.17E-06	6.11E-07	1.78E-06	5.29E-07	2.51E-07	7.80E-07
1483	569729.13	4215182.83	8.17E-06	4.28E-06	1.24E-05	1.25E-06	6.50E-07	1.90E-06	5.63E-07	2.68E-07	8.31E-07
1484	569733.81	4215191.33	8.71E-06	4.56E-06	1.33E-05	1.33E-06	6.93E-07	2.02E-06	6.00E-07	2.85E-07	8.85E-07
1485	569738.48	4215199.83	9.09E-06	4.75E-06	1.38E-05	1.39E-06	7.23E-07	2.11E-06	6.26E-07	2.98E-07	9.24E-07
1486	569743.16	4215208.33	9.19E-06	4.81E-06	1.40E-05	1.40E-06	7.31E-07	2.13E-06	6.33E-07	3.01E-07	9.34E-07
1487	569747.83	4215216.84	9.30E-06	4.87E-06	1.42E-05	1.42E-06	7.40E-07	2.16E-06	6.41E-07	3.05E-07	9.46E-07
1488	569752.51	4215225.34	9.42E-06	4.93E-06	1.44E-05	1.44E-06	7.50E-07	2.19E-06	6.49E-07	3.09E-07	9.58E-07
1489	569757.18	4215233.84	9.16E-06	4.79E-06	1.40E-05	1.40E-06	7.29E-07	2.13E-06	6.31E-07	3.00E-07	9.32E-07
1490	569761.85	4215242.34	8.87E-06	4.64E-06	1.35E-05	1.35E-06	7.06E-07	2.06E-06	6.11E-07	2.91E-07	9.02E-07
1491	569766.53	4215250.84	8.57E-06	4.49E-06	1.31E-05	1.31E-06	6.82E-07	1.99E-06	5.91E-07	2.81E-07	8.72E-07
1492	569635.12	4215025.29	3.15E-06	1.65E-06	4.80E-06	4.82E-07	2.51E-07	7.32E-07	2.17E-07	1.03E-07	3.21E-07
1493	569634.02	4215015.97	3.06E-06	1.60E-06	4.66E-06	4.67E-07	2.43E-07	7.10E-07	2.11E-07	1.00E-07	3.11E-07
1494	569632.92	4215006.65	2.98E-06	1.56E-06	4.53E-06	4.55E-07	2.37E-07	6.92E-07	2.05E-07	9.75E-08	3.03E-07
1495	569631.81	4214997.33	2.90E-06	1.52E-06	4.41E-06	4.43E-07	2.31E-07	6.73E-07	2.00E-07	9.49E-08	2.95E-07
1496	569630.71	4214988.01	2.82E-06	1.48E-06	4.30E-06	4.31E-07	2.25E-07	6.56E-07	1.95E-07	9.25E-08	2.87E-07
1497	569629.6	4214978.69	2.73E-06	1.43E-06	4.15E-06	4.16E-07	2.17E-07	6.33E-07	1.88E-07	8.93E-08	2.77E-07
1498	569628.5	4214969.37	2.63E-06	1.38E-06	4.00E-06	4.01E-07	2.09E-07	6.11E-07	1.81E-07	8.61E-08	2.67E-07
1499	569627.4	4214960.05	2.54E-06	1.33E-06	3.86E-06	3.87E-07	2.02E-07	5.89E-07	1.75E-07	8.30E-08	2.58E-07
1500	569626.29	4214950.73	2.45E-06	1.28E-06	3.73E-06	3.74E-07	1.95E-07	5.69E-07	1.69E-07	8.03E-08	2.49E-07
1501	569625.19	4214941.4	2.37E-06	1.24E-06	3.62E-06	3.63E-07	1.89E-07	5.51E-07	1.64E-07	7.78E-08	2.41E-07
1502	569624.09	4214932.08	2.30E-06	1.20E-06	3.51E-06	3.52E-07	1.83E-07	5.35E-07	1.59E-07	7.54E-08	2.34E-07
1503	569622.98	4214922.76	2.23E-06	1.17E-06	3.40E-06	3.41E-07	1.78E-07	5.18E-07	1.54E-07	7.31E-08	2.27E-07
1504	569621.88	4214913.44	2.16E-06	1.13E-06	3.29E-06	3.30E-07	1.72E-07	5.02E-07	1.49E-07	7.08E-08	2.20E-07
1505	569620.78	4214904.12	2.09E-06	1.10E-06	3.19E-06	3.20E-07	1.67E-07	4.86E-07	1.44E-07	6.86E-08	2.13E-07
1506	569619.67	4214894.8	2.03E-06	1.06E-06	3.09E-06	3.10E-07	1.62E-07	4.72E-07	1.40E-07	6.65E-08	2.06E-07
1507	569618.57	4214885.48	1.98E-06	1.03E-06	3.01E-06	3.02E-07	1.57E-07	4.59E-07	1.36E-07	6.47E-08	2.01E-07
1508	569636.23	4215034.61	3.25E-06	1.70E-06	4.95E-06	4.97E-07	2.59E-07	7.55E-07	2.24E-07	1.07E-07	3.31E-07
1509	569640.9	4215043.11	3.36E-06	1.76E-06	5.12E-06	5.13E-07	2.67E-07	7.80E-07	2.31E-07	1.10E-07	3.42E-07
1510	569645.58	4215051.62	3.49E-06	1.82E-06	5.31E-06	5.32E-07	2.77E-07	8.10E-07	2.40E-07	1.14E-07	3.54E-07
1511	569650.25	4215060.12	3.63E-06	1.90E-06	5.52E-06	5.54E-07	2.88E-07	8.42E-07	2.50E-07	1.19E-07	3.69E-07
1512	569654.92	4215068.62	3.77E-06	1.97E-06	5.74E-06	5.76E-07	3.00E-07	8.75E-07	2.60E-07	1.23E-07	3.83E-07
1513	569659.6	4215077.12	3.92E-06	2.05E-06	5.97E-06	5.98E-07	3.12E-07	9.10E-07	2.70E-07	1.28E-07	3.98E-07
1514	569664.27	4215085.62	4.10E-06	2.14E-06	6.24E-06	6.26E-07	3.26E-07	9.52E-07	2.82E-07	1.34E-07	4.17E-07
1515	569668.95	4215094.12	4.29E-06	2.25E-06	6.54E-06	6.56E-07	3.42E-07	9.97E-07	2.96E-07	1.41E-07	4.37E-07
1516	569673.62	4215102.63	4.51E-06	2.36E-06	6.86E-06	6.88E-07	3.59E-07	1.05E-06	3.11E-07	1.48E-07	4.58E-07
1517	569678.3	4215111.13	4.73E-06	2.47E-06	7.20E-06	7.22E-07	3.76E-07	1.10E-06	3.26E-07	1.55E-07	4.80E-07
1518	569682.97	4215119.63	4.95E-06	2.59E-06	7.55E-06	7.57E-07	3.94E-07	1.15E-06	3.41E-07	1.62E-07	5.04E-07
1519	569711.02	4215170.64	6.95E-06	3.64E-06	1.06E-05	1.06E-06	5.53E-07	1.62E-06	4.79E-07	2.28E-07	7.07E-07
1520	569715.69	4215179.14	7.52E-06	3.93E-06	1.14E-05	1.15E-06	5.98E-07	1.75E-06	5.18E-07	2.46E-07	7.64E-07
1521	569720.37	4215187.65	8.12E-06	4.25E-06	1.24E-05	1.24E-06	6.46E-07	1.89E-06	5.59E-07	2.66E-07	8.25E-07

1522	569725.04	4215196.15	8.71E-06	4.56E-06	1.33E-05	1.33E-06	6.93E-07	2.02E-06	6.00E-07	2.85E-07	8.86E-07
1523	569729.72	4215204.65	8.78E-06	4.59E-06	1.34E-05	1.34E-06	6.99E-07	2.04E-06	6.05E-07	2.88E-07	8.93E-07
1524	569734.39	4215213.15	8.86E-06	4.64E-06	1.35E-05	1.35E-06	7.05E-07	2.06E-06	6.11E-07	2.90E-07	9.01E-07
1525	569739.07	4215221.65	8.95E-06	4.68E-06	1.36E-05	1.37E-06	7.12E-07	2.08E-06	6.17E-07	2.93E-07	9.10E-07
1526	569743.74	4215230.16	8.83E-06	4.62E-06	1.34E-05	1.35E-06	7.02E-07	2.05E-06	6.08E-07	2.89E-07	8.97E-07
1527	569748.42	4215238.66	8.50E-06	4.45E-06	1.30E-05	1.30E-06	6.77E-07	1.98E-06	5.86E-07	2.79E-07	8.65E-07
1528	569753.09	4215247.16	8.22E-06	4.30E-06	1.25E-05	1.25E-06	6.54E-07	1.91E-06	5.66E-07	2.69E-07	8.35E-07
1529	569757.77	4215255.66	7.97E-06	4.17E-06	1.21E-05	1.22E-06	6.35E-07	1.85E-06	5.50E-07	2.61E-07	8.11E-07
1530	569626.32	4215029.8	3.15E-06	1.65E-06	4.80E-06	4.82E-07	2.51E-07	7.33E-07	2.17E-07	1.03E-07	3.21E-07
1531	569625.18	4215020.17	3.06E-06	1.60E-06	4.66E-06	4.67E-07	2.43E-07	7.10E-07	2.11E-07	1.00E-07	3.11E-07
1532	569624.04	4215010.54	2.97E-06	1.55E-06	4.52E-06	4.53E-07	2.36E-07	6.89E-07	2.05E-07	9.72E-08	3.02E-07
1533	569622.9	4215000.9	2.88E-06	1.51E-06	4.39E-06	4.40E-07	2.29E-07	6.70E-07	1.99E-07	9.45E-08	2.93E-07
1534	569621.76	4214991.27	2.80E-06	1.47E-06	4.27E-06	4.28E-07	2.23E-07	6.51E-07	1.93E-07	9.18E-08	2.85E-07
1535	569620.62	4214981.64	2.71E-06	1.42E-06	4.13E-06	4.14E-07	2.16E-07	6.30E-07	1.87E-07	8.89E-08	2.76E-07
1536	569619.48	4214972.01	2.62E-06	1.37E-06	3.99E-06	4.00E-07	2.08E-07	6.08E-07	1.80E-07	8.57E-08	2.66E-07
1537	569618.34	4214962.38	2.52E-06	1.32E-06	3.85E-06	3.86E-07	2.01E-07	5.86E-07	1.74E-07	8.27E-08	2.57E-07
1538	569617.2	4214952.75	2.44E-06	1.28E-06	3.72E-06	3.72E-07	1.94E-07	5.67E-07	1.68E-07	7.99E-08	2.48E-07
1539	569616.06	4214943.12	2.36E-06	1.24E-06	3.60E-06	3.61E-07	1.88E-07	5.49E-07	1.63E-07	7.74E-08	2.40E-07
1540	569614.92	4214933.48	2.29E-06	1.20E-06	3.49E-06	3.50E-07	1.82E-07	5.33E-07	1.58E-07	7.51E-08	2.33E-07
1541	569613.78	4214923.85	2.23E-06	1.16E-06	3.39E-06	3.40E-07	1.77E-07	5.17E-07	1.53E-07	7.29E-08	2.26E-07
1542	569612.64	4214914.22	2.16E-06	1.13E-06	3.28E-06	3.29E-07	1.71E-07	5.01E-07	1.49E-07	7.06E-08	2.19E-07
1543	569611.5	4214904.59	2.09E-06	1.09E-06	3.18E-06	3.19E-07	1.66E-07	4.85E-07	1.44E-07	6.84E-08	2.12E-07
1544	569610.36	4214894.96	2.03E-06	1.06E-06	3.09E-06	3.10E-07	1.61E-07	4.71E-07	1.40E-07	6.65E-08	2.06E-07
1545	569627.46	4215039.43	3.25E-06	1.70E-06	4.95E-06	4.96E-07	2.59E-07	7.55E-07	2.24E-07	1.06E-07	3.31E-07
1546	569632.14	4215047.93	3.36E-06	1.76E-06	5.12E-06	5.14E-07	2.68E-07	7.81E-07	2.32E-07	1.10E-07	3.42E-07
1547	569636.81	4215056.43	3.49E-06	1.83E-06	5.32E-06	5.33E-07	2.78E-07	8.11E-07	2.41E-07	1.14E-07	3.55E-07
1548	569641.49	4215064.94	3.63E-06	1.90E-06	5.52E-06	5.54E-07	2.89E-07	8.42E-07	2.50E-07	1.19E-07	3.69E-07
1549	569646.16	4215073.44	3.76E-06	1.97E-06	5.73E-06	5.74E-07	2.99E-07	8.74E-07	2.59E-07	1.23E-07	3.82E-07
1550	569650.84	4215081.94	3.92E-06	2.05E-06	5.97E-06	5.98E-07	3.12E-07	9.10E-07	2.70E-07	1.28E-07	3.98E-07
1551	569655.51	4215090.44	4.10E-06	2.14E-06	6.24E-06	6.25E-07	3.26E-07	9.51E-07	2.82E-07	1.34E-07	4.16E-07
1552	569660.19	4215098.94	4.29E-06	2.24E-06	6.53E-06	6.55E-07	3.41E-07	9.96E-07	2.95E-07	1.40E-07	4.36E-07
1553	569664.86	4215107.44	4.49E-06	2.35E-06	6.84E-06	6.86E-07	3.57E-07	1.04E-06	3.09E-07	1.47E-07	4.57E-07
1554	569669.54	4215115.95	4.69E-06	2.46E-06	7.15E-06	7.17E-07	3.74E-07	1.09E-06	3.23E-07	1.54E-07	4.77E-07
1555	569674.21	4215124.45	4.92E-06	2.57E-06	7.49E-06	7.51E-07	3.91E-07	1.14E-06	3.39E-07	1.61E-07	5.00E-07
1556	569688.23	4215149.95	5.68E-06	2.97E-06	8.65E-06	8.67E-07	4.52E-07	1.32E-06	3.91E-07	1.86E-07	5.77E-07
1557	569692.91	4215158.46	5.96E-06	3.12E-06	9.08E-06	9.10E-07	4.74E-07	1.38E-06	4.11E-07	1.95E-07	6.06E-07
1558	569697.58	4215166.96	6.31E-06	3.30E-06	9.61E-06	9.63E-07	5.02E-07	1.47E-06	4.35E-07	2.07E-07	6.41E-07
1559	569702.26	4215175.46	6.81E-06	3.56E-06	1.04E-05	1.04E-06	5.42E-07	1.58E-06	4.69E-07	2.23E-07	6.92E-07
1560	569706.93	4215183.96	7.35E-06	3.85E-06	1.12E-05	1.12E-06	5.85E-07	1.71E-06	5.07E-07	2.41E-07	7.48E-07
1561	569711.61	4215192.46	7.94E-06	4.15E-06	1.21E-05	1.21E-06	6.32E-07	1.84E-06	5.47E-07	2.60E-07	8.07E-07
1562	569716.28	4215200.97	8.31E-06	4.35E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.73E-07	2.72E-07	8.45E-07
1563	569720.96	4215209.47	8.45E-06	4.42E-06	1.29E-05	1.29E-06	6.72E-07	1.96E-06	5.82E-07	2.77E-07	8.59E-07
1564	569725.63	4215217.97	8.53E-06	4.46E-06	1.30E-05	1.30E-06	6.79E-07	1.98E-06	5.88E-07	2.79E-07	8.67E-07
1565	569730.31	4215226.47	8.58E-06	4.49E-06	1.31E-05	1.31E-06	6.83E-07	1.99E-06	5.91E-07	2.81E-07	8.72E-07
1566	569734.98	4215234.97	8.23E-06	4.31E-06	1.25E-05	1.26E-06	6.55E-07	1.91E-06	5.67E-07	2.70E-07	8.37E-07
1567	569739.65	4215243.48	7.93E-06	4.15E-06	1.21E-05	1.21E-06	6.31E-07	1.84E-06	5.46E-07	2.60E-07	8.06E-07
1568	569744.33	4215251.98	7.67E-06	4.01E-06	1.17E-05	1.17E-06	6.10E-07	1.78E-06	5.28E-07	2.51E-07	7.79E-07
1569	569749	4215260.48	7.45E-06	3.90E-06	1.14E-05	1.14E-06	5.93E-07	1.73E-06	5.14E-07	2.44E-07	7.58E-07
1570	569984.77	4215238.15	4.09E-05	2.14E-05	6.24E-05	6.25E-06	3.26E-06	9.51E-06	2.82E-06	1.34E-06	4.16E-06
1571	569985.08	4215247.82	3.76E-05	1.97E-05	5.73E-05	5.75E-06	3.00E-06	8.74E-06	2.59E-06	1.23E-06	3.83E-06
1572	569985.4	4215257.49	3.43E-05	1.79E-05	5.22E-05	5.23E-06	2.73E-06	7.96E-06	2.36E-06	1.12E-06	3.48E-06
1573	569985.71	4215267.16	3.08E-05	1.61E-05	4.69E-05	4.70E-06	2.45E-06	7.15E-06	2.12E-06	1.01E-06	3.13E-06
1574	569986.03	4215276.84	2.77E-05	1.45E-05	4.22E-05	4.23E-06	2.20E-06	6.44E-06	1.91E-06	9.08E-07	2.82E-06
1575	569986.34	4215286.51	2.52E-05	1.32E-05	3.84E-05	3.85E-06	2.00E-06	5.85E-06	1.74E-06	8.25E-07	2.56E-06
1576	569986.66	4215296.18	2.46E-05	1.29E-05	3.75E-05	3.76E-06	1.96E-06	5.71E-06	1.69E-06	8.06E-07	2.50E-06
1577	569986.97	4215305.85	2.43E-05	1.27E-05	3.70E-05	3.71E-06	1.93E-06	5.64E-06	1.67E-06	7.95E-07	2.47E-06
1578	569987.29	4215315.52	2.43E-05	1.27E-05	3.69E-05	3.70E-06	1.93E-06	5.63E-06	1.67E-06	7.94E-07	2.47E-06
1579	569987.6	4215325.19	2.50E-05	1.31E-05	3.82E-05	3.82E-06	1.99E-06	5.82E-06	1.73E-06	8.21E-07	2.55E-06
1580	569987.92	4215334.86	2.61E-05	1.37E-05	3.98E-05	3.99E-06	2.08E-06	6.06E-06	1.80E-06	8.55E-07	2.65E-06
1581	569988.23	4215344.54	2.78E-05	1.46E-05	4.24E-05	4.25E-06	2.21E-06	6.46E-06	1.92E-06	9.11E-07	2.83E-06
1582	569988.55	4215354.21	2.76E-05	1.45E-05	4.21E-05	4.22E-06	2.20E-06	6.42E-06	1.90E-06	9.05E-07	2.81E-06

1583	569988.86	4215363.88	2.69E-05	1.41E-05	4.10E-05	4.11E-06	2.14E-06	6.25E-06	1.85E-06	8.81E-07	2.73E-06
1584	569989.18	4215373.55	2.69E-05	1.41E-05	4.10E-05	4.11E-06	2.14E-06	6.26E-06	1.86E-06	8.83E-07	2.74E-06
1585	569973.51	4215199.79	4.44E-05	2.32E-05	6.77E-05	6.78E-06	3.53E-06	1.03E-05	3.06E-06	1.46E-06	4.52E-06
1586	569973.83	4215209.46	4.28E-05	2.24E-05	6.52E-05	6.54E-06	3.41E-06	9.95E-06	2.95E-06	1.40E-06	4.35E-06
1587	569974.14	4215219.13	4.04E-05	2.11E-05	6.15E-05	6.17E-06	3.21E-06	9.38E-06	2.78E-06	1.32E-06	4.11E-06
1588	569974.46	4215228.8	3.77E-05	1.97E-05	5.75E-05	5.76E-06	3.00E-06	8.77E-06	2.60E-06	1.24E-06	3.84E-06
1589	569974.77	4215238.48	3.53E-05	1.85E-05	5.38E-05	5.39E-06	2.81E-06	8.20E-06	2.43E-06	1.16E-06	3.59E-06
1590	569975.09	4215248.15	3.28E-05	1.71E-05	4.99E-05	5.00E-06	2.61E-06	7.61E-06	2.26E-06	1.07E-06	3.33E-06
1591	569975.4	4215257.82	3.01E-05	1.58E-05	4.59E-05	4.60E-06	2.40E-06	7.00E-06	2.08E-06	9.88E-07	3.06E-06
1592	569975.72	4215267.49	2.73E-05	1.43E-05	4.16E-05	4.17E-06	2.17E-06	6.35E-06	1.88E-06	8.95E-07	2.78E-06
1593	569976.03	4215277.16	2.48E-05	1.30E-05	3.78E-05	3.79E-06	1.98E-06	5.77E-06	1.71E-06	8.14E-07	2.53E-06
1594	569976.35	4215286.83	2.29E-05	1.20E-05	3.49E-05	3.50E-06	1.82E-06	5.32E-06	1.58E-06	7.50E-07	2.33E-06
1595	569976.66	4215296.5	2.25E-05	1.18E-05	3.43E-05	3.44E-06	1.79E-06	5.23E-06	1.55E-06	7.38E-07	2.29E-06
1596	569976.98	4215306.18	2.23E-05	1.17E-05	3.40E-05	3.41E-06	1.78E-06	5.19E-06	1.54E-06	7.32E-07	2.27E-06
1597	569977.29	4215315.85	2.24E-05	1.17E-05	3.41E-05	3.42E-06	1.78E-06	5.20E-06	1.54E-06	7.33E-07	2.27E-06
1598	569977.61	4215325.52	2.32E-05	1.21E-05	3.53E-05	3.54E-06	1.85E-06	5.39E-06	1.60E-06	7.60E-07	2.36E-06
1599	569977.92	4215335.19	2.42E-05	1.27E-05	3.69E-05	3.70E-06	1.93E-06	5.63E-06	1.67E-06	7.94E-07	2.46E-06
1600	569978.24	4215344.86	2.60E-05	1.36E-05	3.95E-05	3.96E-06	2.07E-06	6.03E-06	1.79E-06	8.50E-07	2.64E-06
1601	569978.55	4215354.53	2.59E-05	1.35E-05	3.94E-05	3.95E-06	2.06E-06	6.01E-06	1.78E-06	8.48E-07	2.63E-06
1602	569978.87	4215364.2	2.55E-05	1.34E-05	3.89E-05	3.90E-06	2.03E-06	5.93E-06	1.76E-06	8.36E-07	2.60E-06
1603	569979.18	4215373.88	2.65E-05	1.39E-05	4.03E-05	4.04E-06	2.11E-06	6.15E-06	1.82E-06	8.68E-07	2.69E-06
1604	569962.57	4215171.1	4.05E-05	2.12E-05	6.17E-05	6.19E-06	3.22E-06	9.41E-06	2.79E-06	1.33E-06	4.12E-06
1605	569962.89	4215180.77	4.09E-05	2.14E-05	6.24E-05	6.25E-06	3.26E-06	9.51E-06	2.82E-06	1.34E-06	4.16E-06
1606	569963.2	4215190.44	4.03E-05	2.11E-05	6.14E-05	6.16E-06	3.21E-06	9.37E-06	2.78E-06	1.32E-06	4.10E-06
1607	569963.52	4215200.12	3.93E-05	2.06E-05	5.98E-05	6.00E-06	3.13E-06	9.13E-06	2.71E-06	1.29E-06	3.99E-06
1608	569963.83	4215209.79	3.73E-05	1.95E-05	5.68E-05	5.70E-06	2.97E-06	8.67E-06	2.57E-06	1.22E-06	3.79E-06
1609	569964.15	4215219.46	3.48E-05	1.82E-05	5.30E-05	5.32E-06	2.77E-06	8.09E-06	2.40E-06	1.14E-06	3.54E-06
1610	569964.46	4215229.13	3.24E-05	1.69E-05	4.93E-05	4.95E-06	2.58E-06	7.52E-06	2.23E-06	1.06E-06	3.29E-06
1611	569964.78	4215238.8	3.06E-05	1.60E-05	4.66E-05	4.67E-06	2.43E-06	7.11E-06	2.11E-06	1.00E-06	3.11E-06
1612	569965.09	4215248.47	2.87E-05	1.50E-05	4.38E-05	4.39E-06	2.29E-06	6.67E-06	1.98E-06	9.41E-07	2.92E-06
1613	569965.41	4215258.14	2.68E-05	1.40E-05	4.08E-05	4.09E-06	2.13E-06	6.22E-06	1.84E-06	8.77E-07	2.72E-06
1614	569965.72	4215267.82	2.44E-05	1.28E-05	3.72E-05	3.73E-06	1.95E-06	5.68E-06	1.68E-06	8.01E-07	2.49E-06
1615	569966.04	4215277.49	2.24E-05	1.17E-05	3.42E-05	3.43E-06	1.79E-06	5.21E-06	1.55E-06	7.35E-07	2.28E-06
1616	569966.35	4215287.16	2.09E-05	1.10E-05	3.19E-05	3.20E-06	1.67E-06	4.86E-06	1.44E-06	6.86E-07	2.13E-06
1617	569966.67	4215296.83	2.07E-05	1.08E-05	3.15E-05	3.16E-06	1.65E-06	4.81E-06	1.43E-06	6.78E-07	2.11E-06
1618	569966.98	4215306.5	2.06E-05	1.08E-05	3.14E-05	3.15E-06	1.64E-06	4.79E-06	1.42E-06	6.76E-07	2.10E-06
1619	569967.3	4215316.17	2.07E-05	1.08E-05	3.15E-05	3.16E-06	1.65E-06	4.80E-06	1.42E-06	6.77E-07	2.10E-06
1620	569967.61	4215325.84	2.16E-05	1.13E-05	3.28E-05	3.29E-06	1.72E-06	5.01E-06	1.49E-06	7.06E-07	2.19E-06
1621	569967.93	4215335.52	2.26E-05	1.18E-05	3.44E-05	3.44E-06	1.79E-06	5.24E-06	1.55E-06	7.39E-07	2.29E-06
1622	569968.24	4215345.19	2.37E-05	1.24E-05	3.61E-05	3.62E-06	1.89E-06	5.51E-06	1.64E-06	7.77E-07	2.41E-06
1623	569968.56	4215354.86	2.38E-05	1.24E-05	3.62E-05	3.63E-06	1.89E-06	5.52E-06	1.64E-06	7.79E-07	2.42E-06
1624	569968.87	4215364.53	2.44E-05	1.27E-05	3.71E-05	3.72E-06	1.94E-06	5.66E-06	1.68E-06	7.98E-07	2.48E-06
1625	569969.19	4215374.2	2.63E-05	1.38E-05	4.01E-05	4.02E-06	2.09E-06	6.11E-06	1.81E-06	8.62E-07	2.68E-06
1626	569952.26	4215161.76	3.53E-05	1.85E-05	5.38E-05	5.40E-06	2.81E-06	8.21E-06	2.44E-06	1.16E-06	3.59E-06
1627	569952.58	4215171.43	3.65E-05	1.91E-05	5.55E-05	5.57E-06	2.90E-06	8.47E-06	2.51E-06	1.19E-06	3.71E-06
1628	569952.89	4215181.1	3.67E-05	1.92E-05	5.59E-05	5.61E-06	2.92E-06	8.53E-06	2.53E-06	1.20E-06	3.73E-06
1629	569953.21	4215190.77	3.62E-05	1.89E-05	5.51E-05	5.52E-06	2.88E-06	8.40E-06	2.49E-06	1.18E-06	3.68E-06
1630	569953.52	4215200.44	3.52E-05	1.84E-05	5.36E-05	5.37E-06	2.80E-06	8.17E-06	2.42E-06	1.15E-06	3.58E-06
1631	569953.84	4215210.11	3.32E-05	1.74E-05	5.06E-05	5.07E-06	2.64E-06	7.71E-06	2.29E-06	1.09E-06	3.38E-06
1632	569954.15	4215219.78	3.08E-05	1.61E-05	4.68E-05	4.70E-06	2.45E-06	7.14E-06	2.12E-06	1.01E-06	3.13E-06
1633	569954.47	4215229.46	2.85E-05	1.49E-05	4.34E-05	4.35E-06	2.27E-06	6.62E-06	1.96E-06	9.33E-07	2.90E-06
1634	569954.78	4215239.13	2.69E-05	1.41E-05	4.10E-05	4.11E-06	2.14E-06	6.25E-06	1.85E-06	8.82E-07	2.74E-06
1635	569955.1	4215248.8	2.53E-05	1.33E-05	3.86E-05	3.87E-06	2.02E-06	5.88E-06	1.75E-06	8.30E-07	2.58E-06
1636	569955.41	4215258.47	2.37E-05	1.24E-05	3.62E-05	3.62E-06	1.89E-06	5.51E-06	1.64E-06	7.78E-07	2.41E-06
1637	569955.73	4215268.14	2.21E-05	1.16E-05	3.36E-05	3.37E-06	1.76E-06	5.13E-06	1.52E-06	7.23E-07	2.24E-06
1638	569956.04	4215277.81	2.06E-05	1.08E-05	3.14E-05	3.15E-06	1.64E-06	4.79E-06	1.42E-06	6.76E-07	2.10E-06
1639	569956.36	4215287.48	1.95E-05	1.02E-05	2.97E-05	2.98E-06	1.55E-06	4.54E-06	1.35E-06	6.40E-07	1.99E-06
1640	569956.67	4215297.16	1.93E-05	1.01E-05	2.94E-05	2.95E-06	1.54E-06	4.49E-06	1.33E-06	6.33E-07	1.96E-06
1641	569956.99	4215306.83	1.92E-05	1.01E-05	2.93E-05	2.94E-06	1.53E-06	4.47E-06	1.33E-06	6.30E-07	1.96E-06
1642	569957.3	4215316.5	1.93E-05	1.01E-05	2.94E-05	2.94E-06	1.53E-06	4.48E-06	1.33E-06	6.32E-07	1.96E-06
1643	569957.62	4215326.17	2.00E-05	1.05E-05	3.05E-05	3.05E-06	1.59E-06	4.65E-06	1.38E-06	6.55E-07	2.03E-06

1644	569957.93	4215335.84	2.08E-05	1.09E-05	3.17E-05	3.18E-06	1.66E-06	4.83E-06	1.43E-06	6.82E-07	2.12E-06
1645	569958.25	4215345.51	2.18E-05	1.14E-05	3.32E-05	3.33E-06	1.73E-06	5.06E-06	1.50E-06	7.14E-07	2.22E-06
1646	569958.56	4215355.18	2.20E-05	1.15E-05	3.36E-05	3.36E-06	1.75E-06	5.12E-06	1.52E-06	7.22E-07	2.24E-06
1647	569958.88	4215364.86	2.31E-05	1.21E-05	3.52E-05	3.53E-06	1.84E-06	5.36E-06	1.59E-06	7.56E-07	2.35E-06
1648	569959.19	4215374.53	2.61E-05	1.36E-05	3.97E-05	3.98E-06	2.07E-06	6.06E-06	1.80E-06	8.54E-07	2.65E-06
1649	569942.58	4215171.75	3.31E-05	1.73E-05	5.04E-05	5.05E-06	2.63E-06	7.69E-06	2.28E-06	1.08E-06	3.37E-06
1650	569942.9	4215181.42	3.32E-05	1.74E-05	5.06E-05	5.08E-06	2.65E-06	7.72E-06	2.29E-06	1.09E-06	3.38E-06
1651	569943.21	4215191.1	3.32E-05	1.74E-05	5.05E-05	5.07E-06	2.64E-06	7.71E-06	2.29E-06	1.09E-06	3.37E-06
1652	569943.53	4215200.77	3.17E-05	1.66E-05	4.82E-05	4.84E-06	2.52E-06	7.36E-06	2.18E-06	1.04E-06	3.22E-06
1653	569943.84	4215210.44	2.97E-05	1.55E-05	4.52E-05	4.53E-06	2.36E-06	6.90E-06	2.05E-06	9.73E-07	3.02E-06
1654	569944.16	4215220.11	2.73E-05	1.43E-05	4.16E-05	4.17E-06	2.17E-06	6.35E-06	1.88E-06	8.95E-07	2.78E-06
1655	569944.47	4215229.78	2.52E-05	1.32E-05	3.85E-05	3.85E-06	2.01E-06	5.86E-06	1.74E-06	8.27E-07	2.57E-06
1656	569944.79	4215239.45	2.38E-05	1.25E-05	3.63E-05	3.64E-06	1.90E-06	5.54E-06	1.64E-06	7.81E-07	2.42E-06
1657	569945.1	4215249.12	2.25E-05	1.18E-05	3.42E-05	3.43E-06	1.79E-06	5.22E-06	1.55E-06	7.36E-07	2.28E-06
1658	569945.42	4215258.8	2.12E-05	1.11E-05	3.23E-05	3.24E-06	1.69E-06	4.92E-06	1.46E-06	6.94E-07	2.15E-06
1659	569945.73	4215268.47	2.01E-05	1.05E-05	3.06E-05	3.07E-06	1.60E-06	4.66E-06	1.38E-06	6.58E-07	2.04E-06
1660	569946.05	4215278.14	1.91E-05	9.99E-06	2.91E-05	2.92E-06	1.52E-06	4.44E-06	1.32E-06	6.26E-07	1.94E-06
1661	569946.36	4215287.81	1.84E-05	9.60E-06	2.80E-05	2.80E-06	1.46E-06	4.26E-06	1.26E-06	6.01E-07	1.87E-06
1662	569946.68	4215297.48	1.81E-05	9.49E-06	2.76E-05	2.77E-06	1.44E-06	4.21E-06	1.25E-06	5.94E-07	1.84E-06
1663	569946.99	4215307.15	1.80E-05	9.43E-06	2.75E-05	2.75E-06	1.43E-06	4.19E-06	1.24E-06	5.90E-07	1.83E-06
1664	569947.31	4215316.82	1.80E-05	9.44E-06	2.75E-05	2.75E-06	1.44E-06	4.19E-06	1.24E-06	5.91E-07	1.83E-06
1665	569947.62	4215326.5	1.86E-05	9.71E-06	2.83E-05	2.83E-06	1.48E-06	4.31E-06	1.28E-06	6.08E-07	1.89E-06
1666	569947.94	4215336.17	1.92E-05	1.00E-05	2.92E-05	2.93E-06	1.53E-06	4.45E-06	1.32E-06	6.28E-07	1.95E-06
1667	569948.25	4215345.84	1.99E-05	1.04E-05	3.03E-05	3.04E-06	1.58E-06	4.63E-06	1.37E-06	6.52E-07	2.02E-06
1668	569948.57	4215355.51	2.04E-05	1.07E-05	3.11E-05	3.12E-06	1.62E-06	4.74E-06	1.41E-06	6.68E-07	2.07E-06
1669	569948.88	4215365.18	2.19E-05	1.15E-05	3.34E-05	3.35E-06	1.74E-06	5.09E-06	1.51E-06	7.18E-07	2.23E-06
1670	569949.2	4215374.85	2.59E-05	1.36E-05	3.95E-05	3.96E-06	2.06E-06	6.02E-06	1.79E-06	8.50E-07	2.64E-06
1671	569932.59	4215172.08	3.03E-05	1.58E-05	4.61E-05	4.62E-06	2.41E-06	7.03E-06	2.09E-06	9.92E-07	3.08E-06
1672	569932.9	4215181.75	3.03E-05	1.59E-05	4.62E-05	4.63E-06	2.41E-06	7.04E-06	2.09E-06	9.93E-07	3.08E-06
1673	569933.22	4215191.42	3.02E-05	1.58E-05	4.60E-05	4.62E-06	2.41E-06	7.02E-06	2.08E-06	9.90E-07	3.07E-06
1674	569933.53	4215201.09	2.87E-05	1.50E-05	4.37E-05	4.38E-06	2.28E-06	6.66E-06	1.98E-06	9.39E-07	2.91E-06
1675	569933.85	4215210.76	2.67E-05	1.40E-05	4.07E-05	4.08E-06	2.12E-06	6.20E-06	1.84E-06	8.74E-07	2.71E-06
1676	569934.16	4215220.44	2.44E-05	1.28E-05	3.72E-05	3.73E-06	1.94E-06	5.67E-06	1.68E-06	8.00E-07	2.48E-06
1677	569934.48	4215230.11	2.25E-05	1.18E-05	3.43E-05	3.44E-06	1.79E-06	5.23E-06	1.55E-06	7.37E-07	2.29E-06
1678	569934.79	4215239.78	2.13E-05	1.11E-05	3.24E-05	3.25E-06	1.69E-06	4.94E-06	1.47E-06	6.97E-07	2.16E-06
1679	569935.11	4215249.45	2.01E-05	1.05E-05	3.06E-05	3.06E-06	1.60E-06	4.66E-06	1.38E-06	6.57E-07	2.04E-06
1680	569935.42	4215259.12	1.91E-05	9.97E-06	2.90E-05	2.91E-06	1.52E-06	4.43E-06	1.31E-06	6.24E-07	1.94E-06
1681	569935.74	4215268.79	1.84E-05	9.62E-06	2.80E-05	2.81E-06	1.46E-06	4.27E-06	1.27E-06	6.02E-07	1.87E-06
1682	569936.05	4215278.46	1.78E-05	9.29E-06	2.71E-05	2.71E-06	1.41E-06	4.13E-06	1.22E-06	5.82E-07	1.81E-06
1683	569936.37	4215288.14	1.73E-05	9.04E-06	2.63E-05	2.64E-06	1.38E-06	4.01E-06	1.19E-06	5.66E-07	1.76E-06
1684	569936.68	4215297.81	1.71E-05	8.93E-06	2.60E-05	2.61E-06	1.36E-06	3.96E-06	1.18E-06	5.59E-07	1.73E-06
1685	569937	4215307.48	1.69E-05	8.85E-06	2.58E-05	2.58E-06	1.35E-06	3.93E-06	1.17E-06	5.54E-07	1.72E-06
1686	569937.31	4215317.15	1.69E-05	8.84E-06	2.57E-05	2.58E-06	1.34E-06	3.93E-06	1.16E-06	5.54E-07	1.72E-06
1687	569937.63	4215326.82	1.73E-05	9.03E-06	2.63E-05	2.64E-06	1.37E-06	4.01E-06	1.19E-06	5.66E-07	1.76E-06
1688	569937.94	4215336.49	1.77E-05	9.28E-06	2.70E-05	2.71E-06	1.41E-06	4.12E-06	1.22E-06	5.81E-07	1.80E-06
1689	569938.26	4215346.16	1.84E-05	9.64E-06	2.81E-05	2.81E-06	1.47E-06	4.28E-06	1.27E-06	6.03E-07	1.87E-06
1690	569938.57	4215355.84	1.92E-05	1.00E-05	2.92E-05	2.93E-06	1.53E-06	4.46E-06	1.32E-06	6.29E-07	1.95E-06
1691	569938.89	4215365.51	2.12E-05	1.11E-05	3.23E-05	3.24E-06	1.69E-06	4.93E-06	1.46E-06	6.95E-07	2.16E-06
1692	569939.2	4215375.18	2.62E-05	1.37E-05	3.99E-05	4.00E-06	2.08E-06	6.09E-06	1.81E-06	8.58E-07	2.66E-06
1693	569922.91	4215182.08	2.79E-05	1.46E-05	4.24E-05	4.25E-06	2.22E-06	6.47E-06	1.92E-06	9.12E-07	2.83E-06
1694	569923.22	4215191.75	2.79E-05	1.46E-05	4.26E-05	4.27E-06	2.22E-06	6.49E-06	1.93E-06	9.15E-07	2.84E-06
1695	569923.54	4215201.42	2.67E-05	1.39E-05	4.06E-05	4.07E-06	2.12E-06	6.19E-06	1.84E-06	8.73E-07	2.71E-06
1696	569923.85	4215211.09	2.47E-05	1.29E-05	3.77E-05	3.78E-06	1.97E-06	5.74E-06	1.70E-06	8.10E-07	2.51E-06
1697	569924.17	4215220.76	2.24E-05	1.17E-05	3.42E-05	3.43E-06	1.79E-06	5.21E-06	1.55E-06	7.35E-07	2.28E-06
1698	569924.48	4215230.43	2.06E-05	1.08E-05	3.14E-05	3.15E-06	1.64E-06	4.79E-06	1.42E-06	6.75E-07	2.09E-06
1699	569924.8	4215240.1	1.94E-05	1.02E-05	2.96E-05	2.96E-06	1.54E-06	4.51E-06	1.34E-06	6.36E-07	1.97E-06
1700	569925.11	4215249.78	1.83E-05	9.56E-06	2.78E-05	2.79E-06	1.45E-06	4.24E-06	1.26E-06	5.98E-07	1.86E-06
1701	569925.43	4215259.45	1.74E-05	9.10E-06	2.65E-05	2.66E-06	1.38E-06	4.04E-06	1.20E-06	5.70E-07	1.77E-06
1702	569925.74	4215269.12	1.69E-05	8.84E-06	2.57E-05	2.58E-06	1.34E-06	3.92E-06	1.16E-06	5.53E-07	1.72E-06
1703	569926.06	4215278.79	1.64E-05	8.60E-06	2.50E-05	2.51E-06	1.31E-06	3.82E-06	1.13E-06	5.39E-07	1.67E-06
1704	569926.37	4215288.46	1.61E-05	8.42E-06	2.45E-05	2.46E-06	1.28E-06	3.74E-06	1.11E-06	5.27E-07	1.64E-06

1705	569926.69	4215298.13	1.59E-05	8.31E-06	2.42E-05	2.42E-06	1.26E-06	3.69E-06	1.09E-06	5.20E-07	1.61E-06
1706	569927	4215307.8	1.57E-05	8.23E-06	2.40E-05	2.40E-06	1.25E-06	3.65E-06	1.08E-06	5.15E-07	1.60E-06
1707	569927.32	4215317.48	1.57E-05	8.22E-06	2.39E-05	2.40E-06	1.25E-06	3.65E-06	1.08E-06	5.15E-07	1.60E-06
1708	569927.63	4215327.15	1.61E-05	8.41E-06	2.45E-05	2.45E-06	1.28E-06	3.73E-06	1.11E-06	5.26E-07	1.63E-06
1709	569927.95	4215336.82	1.66E-05	8.67E-06	2.52E-05	2.53E-06	1.32E-06	3.85E-06	1.14E-06	5.43E-07	1.68E-06
1710	569928.26	4215346.49	1.73E-05	9.06E-06	2.64E-05	2.64E-06	1.38E-06	4.02E-06	1.19E-06	5.67E-07	1.76E-06
1711	569928.58	4215356.16	1.83E-05	9.58E-06	2.79E-05	2.80E-06	1.46E-06	4.25E-06	1.26E-06	6.00E-07	1.86E-06
1712	569928.89	4215365.83	2.07E-05	1.08E-05	3.15E-05	3.16E-06	1.64E-06	4.80E-06	1.42E-06	6.77E-07	2.10E-06
1713	569929.21	4215375.5	2.61E-05	1.37E-05	3.98E-05	3.99E-06	2.08E-06	6.07E-06	1.80E-06	8.56E-07	2.66E-06
1714	569912.91	4215182.4	2.57E-05	1.35E-05	3.92E-05	3.93E-06	2.05E-06	5.98E-06	1.77E-06	8.43E-07	2.62E-06
1715	569913.23	4215192.07	2.59E-05	1.36E-05	3.95E-05	3.96E-06	2.06E-06	6.03E-06	1.79E-06	8.50E-07	2.64E-06
1716	569913.54	4215201.74	2.49E-05	1.30E-05	3.79E-05	3.80E-06	1.98E-06	5.78E-06	1.71E-06	8.15E-07	2.53E-06
1717	569913.86	4215211.42	2.30E-05	1.20E-05	3.50E-05	3.51E-06	1.83E-06	5.34E-06	1.58E-06	7.53E-07	2.34E-06
1718	569914.17	4215221.09	2.07E-05	1.08E-05	3.16E-05	3.17E-06	1.65E-06	4.82E-06	1.43E-06	6.79E-07	2.11E-06
1719	569914.49	4215230.76	1.90E-05	9.92E-06	2.89E-05	2.90E-06	1.51E-06	4.41E-06	1.31E-06	6.21E-07	1.93E-06
1720	569914.8	4215240.43	1.78E-05	9.32E-06	2.71E-05	2.72E-06	1.42E-06	4.14E-06	1.23E-06	5.83E-07	1.81E-06
1721	569915.12	4215250.1	1.68E-05	8.77E-06	2.55E-05	2.56E-06	1.33E-06	3.89E-06	1.15E-06	5.49E-07	1.70E-06
1722	569915.43	4215259.77	1.60E-05	8.35E-06	2.43E-05	2.44E-06	1.27E-06	3.71E-06	1.10E-06	5.23E-07	1.62E-06
1723	569915.75	4215269.44	1.55E-05	8.13E-06	2.37E-05	2.37E-06	1.24E-06	3.61E-06	1.07E-06	5.09E-07	1.58E-06
1724	569916.06	4215279.12	1.52E-05	7.94E-06	2.31E-05	2.32E-06	1.21E-06	3.52E-06	1.05E-06	4.97E-07	1.54E-06
1725	569916.38	4215288.79	1.49E-05	7.78E-06	2.26E-05	2.27E-06	1.18E-06	3.45E-06	1.02E-06	4.87E-07	1.51E-06
1726	569916.69	4215298.46	1.47E-05	7.67E-06	2.23E-05	2.24E-06	1.17E-06	3.40E-06	1.01E-06	4.80E-07	1.49E-06
1727	569917.01	4215308.13	1.46E-05	7.64E-06	2.23E-05	2.23E-06	1.16E-06	3.39E-06	1.01E-06	4.79E-07	1.49E-06
1728	569917.32	4215317.8	1.46E-05	7.64E-06	2.22E-05	2.23E-06	1.16E-06	3.39E-06	1.01E-06	4.78E-07	1.48E-06
1729	569917.64	4215327.47	1.50E-05	7.85E-06	2.29E-05	2.29E-06	1.19E-06	3.49E-06	1.03E-06	4.92E-07	1.53E-06
1730	569917.95	4215337.14	1.56E-05	8.15E-06	2.37E-05	2.38E-06	1.24E-06	3.62E-06	1.07E-06	5.10E-07	1.58E-06
1731	569918.27	4215346.82	1.64E-05	8.59E-06	2.50E-05	2.51E-06	1.31E-06	3.81E-06	1.13E-06	5.38E-07	1.67E-06
1732	569918.58	4215356.49	1.75E-05	9.13E-06	2.66E-05	2.67E-06	1.39E-06	4.05E-06	1.20E-06	5.72E-07	1.77E-06
1733	569918.9	4215366.16	1.97E-05	1.03E-05	3.00E-05	3.01E-06	1.57E-06	4.58E-06	1.36E-06	6.46E-07	2.01E-06
1734	569919.21	4215375.83	2.45E-05	1.28E-05	3.73E-05	3.74E-06	1.95E-06	5.68E-06	1.69E-06	8.02E-07	2.49E-06
1735	569903.23	4215192.4	2.42E-05	1.27E-05	3.69E-05	3.70E-06	1.93E-06	5.62E-06	1.67E-06	7.93E-07	2.46E-06
1736	569903.55	4215202.07	2.33E-05	1.22E-05	3.54E-05	3.55E-06	1.85E-06	5.40E-06	1.60E-06	7.62E-07	2.37E-06
1737	569903.86	4215211.74	2.14E-05	1.12E-05	3.26E-05	3.27E-06	1.70E-06	4.98E-06	1.48E-06	7.02E-07	2.18E-06
1738	569904.18	4215221.41	1.92E-05	1.00E-05	2.92E-05	2.93E-06	1.53E-06	4.46E-06	1.32E-06	6.29E-07	1.95E-06
1739	569904.49	4215231.08	1.75E-05	9.17E-06	2.67E-05	2.68E-06	1.39E-06	4.07E-06	1.21E-06	5.74E-07	1.78E-06
1740	569904.81	4215240.75	1.64E-05	8.59E-06	2.50E-05	2.51E-06	1.31E-06	3.82E-06	1.13E-06	5.38E-07	1.67E-06
1741	569905.12	4215250.43	1.54E-05	8.06E-06	2.35E-05	2.35E-06	1.23E-06	3.58E-06	1.06E-06	5.05E-07	1.57E-06
1742	569905.44	4215260.1	1.47E-05	7.71E-06	2.24E-05	2.25E-06	1.17E-06	3.42E-06	1.02E-06	4.83E-07	1.50E-06
1743	569905.75	4215269.77	1.44E-05	7.53E-06	2.19E-05	2.20E-06	1.15E-06	3.34E-06	9.92E-07	4.72E-07	1.46E-06
1744	569906.07	4215279.44	1.41E-05	7.38E-06	2.15E-05	2.15E-06	1.12E-06	3.27E-06	9.72E-07	4.62E-07	1.43E-06
1745	569906.38	4215289.11	1.38E-05	7.24E-06	2.11E-05	2.11E-06	1.10E-06	3.21E-06	9.54E-07	4.53E-07	1.41E-06
1746	569906.7	4215298.78	1.36E-05	7.13E-06	2.08E-05	2.08E-06	1.08E-06	3.16E-06	9.39E-07	4.46E-07	1.39E-06
1747	569907.01	4215308.45	1.34E-05	7.04E-06	2.05E-05	2.05E-06	1.07E-06	3.12E-06	9.27E-07	4.41E-07	1.37E-06
1748	569907.33	4215318.13	1.34E-05	7.02E-06	2.04E-05	2.05E-06	1.07E-06	3.12E-06	9.25E-07	4.40E-07	1.36E-06
1749	569907.64	4215327.8	1.41E-05	7.36E-06	2.14E-05	2.15E-06	1.12E-06	3.27E-06	9.70E-07	4.61E-07	1.43E-06
1750	569907.96	4215337.47	1.47E-05	7.68E-06	2.24E-05	2.24E-06	1.17E-06	3.41E-06	1.01E-06	4.81E-07	1.49E-06
1751	569908.27	4215347.14	1.55E-05	8.13E-06	2.37E-05	2.37E-06	1.24E-06	3.61E-06	1.07E-06	5.09E-07	1.58E-06
1752	569908.59	4215356.81	1.65E-05	8.62E-06	2.51E-05	2.52E-06	1.31E-06	3.83E-06	1.14E-06	5.40E-07	1.68E-06
1753	569908.9	4215366.48	1.83E-05	9.58E-06	2.79E-05	2.80E-06	1.46E-06	4.25E-06	1.26E-06	6.00E-07	1.86E-06
1754	569909.22	4215376.15	2.15E-05	1.13E-05	3.28E-05	3.29E-06	1.71E-06	5.00E-06	1.48E-06	7.05E-07	2.19E-06
1755	569893.24	4215192.72	2.27E-05	1.19E-05	3.45E-05	3.46E-06	1.80E-06	5.27E-06	1.56E-06	7.43E-07	2.31E-06
1756	569893.55	4215202.39	2.20E-05	1.15E-05	3.35E-05	3.36E-06	1.75E-06	5.11E-06	1.52E-06	7.21E-07	2.24E-06
1757	569893.87	4215212.07	2.04E-05	1.07E-05	3.11E-05	3.11E-06	1.62E-06	4.74E-06	1.41E-06	6.68E-07	2.07E-06
1758	569894.18	4215221.74	1.83E-05	9.60E-06	2.79E-05	2.80E-06	1.46E-06	4.26E-06	1.26E-06	6.01E-07	1.86E-06
1759	569894.5	4215231.41	1.67E-05	8.75E-06	2.55E-05	2.55E-06	1.33E-06	3.89E-06	1.15E-06	5.48E-07	1.70E-06
1760	569894.81	4215241.08	1.56E-05	8.15E-06	2.37E-05	2.38E-06	1.24E-06	3.62E-06	1.07E-06	5.10E-07	1.58E-06
1761	569895.13	4215250.75	1.46E-05	7.63E-06	2.22E-05	2.23E-06	1.16E-06	3.39E-06	1.00E-06	4.78E-07	1.48E-06
1762	569895.44	4215260.42	1.39E-05	7.26E-06	2.11E-05	2.12E-06	1.10E-06	3.22E-06	9.56E-07	4.55E-07	1.41E-06
1763	569895.76	4215270.09	1.35E-05	7.04E-06	2.05E-05	2.05E-06	1.07E-06	3.13E-06	9.27E-07	4.41E-07	1.37E-06
1764	569896.07	4215279.77	1.31E-05	6.84E-06	1.99E-05	2.00E-06	1.04E-06	3.04E-06	9.01E-07	4.28E-07	1.33E-06
1765	569896.39	4215289.44	1.28E-05	6.70E-06	1.95E-05	1.95E-06	1.02E-06	2.97E-06	8.82E-07	4.19E-07	1.30E-06

1766	569896.7	4215299.11	1.27E-05	6.62E-06	1.93E-05	1.93E-06	1.01E-06	2.94E-06	8.72E-07	4.15E-07	1.29E-06
1767	569897.02	4215308.78	1.25E-05	6.56E-06	1.91E-05	1.91E-06	9.97E-07	2.91E-06	8.64E-07	4.11E-07	1.27E-06
1768	569897.33	4215318.45	1.25E-05	6.56E-06	1.91E-05	1.91E-06	9.98E-07	2.91E-06	8.64E-07	4.11E-07	1.27E-06
1769	569897.65	4215328.12	1.30E-05	6.78E-06	1.97E-05	1.98E-06	1.03E-06	3.01E-06	8.93E-07	4.24E-07	1.32E-06
1770	569897.96	4215337.79	1.38E-05	7.21E-06	2.10E-05	2.11E-06	1.10E-06	3.20E-06	9.50E-07	4.52E-07	1.40E-06
1771	569898.28	4215347.47	1.46E-05	7.62E-06	2.22E-05	2.22E-06	1.16E-06	3.38E-06	1.00E-06	4.77E-07	1.48E-06
1772	569898.59	4215357.14	1.53E-05	8.03E-06	2.34E-05	2.34E-06	1.22E-06	3.56E-06	1.06E-06	5.03E-07	1.56E-06
1773	569898.91	4215366.81	1.67E-05	8.72E-06	2.54E-05	2.55E-06	1.33E-06	3.87E-06	1.15E-06	5.46E-07	1.70E-06
1774	569883.56	4215202.72	2.09E-05	1.09E-05	3.18E-05	3.18E-06	1.66E-06	4.84E-06	1.44E-06	6.83E-07	2.12E-06
1775	569883.87	4215212.39	1.95E-05	1.02E-05	2.96E-05	2.97E-06	1.55E-06	4.52E-06	1.34E-06	6.37E-07	1.98E-06
1776	569884.19	4215222.06	1.76E-05	9.19E-06	2.68E-05	2.68E-06	1.40E-06	4.08E-06	1.21E-06	5.75E-07	1.79E-06
1777	569884.5	4215231.73	1.60E-05	8.39E-06	2.44E-05	2.45E-06	1.28E-06	3.72E-06	1.10E-06	5.25E-07	1.63E-06
1778	569884.82	4215241.41	1.49E-05	7.78E-06	2.27E-05	2.27E-06	1.18E-06	3.46E-06	1.03E-06	4.87E-07	1.51E-06
1779	569885.13	4215251.08	1.39E-05	7.26E-06	2.11E-05	2.12E-06	1.10E-06	3.22E-06	9.56E-07	4.54E-07	1.41E-06
1780	569885.45	4215260.75	1.31E-05	6.87E-06	2.00E-05	2.01E-06	1.05E-06	3.05E-06	9.05E-07	4.30E-07	1.34E-06
1781	569885.76	4215270.42	1.26E-05	6.60E-06	1.92E-05	1.93E-06	1.00E-06	2.93E-06	8.69E-07	4.13E-07	1.28E-06
1782	569886.08	4215280.09	1.22E-05	6.36E-06	1.85E-05	1.86E-06	9.68E-07	2.82E-06	8.38E-07	3.98E-07	1.24E-06
1783	569886.39	4215289.76	1.19E-05	6.21E-06	1.81E-05	1.81E-06	9.45E-07	2.76E-06	8.18E-07	3.89E-07	1.21E-06
1784	569886.71	4215299.43	1.18E-05	6.17E-06	1.80E-05	1.80E-06	9.38E-07	2.74E-06	8.13E-07	3.86E-07	1.20E-06
1785	569887.02	4215309.11	1.17E-05	6.14E-06	1.79E-05	1.79E-06	9.33E-07	2.72E-06	8.08E-07	3.84E-07	1.19E-06
1786	569887.34	4215318.78	1.18E-05	6.16E-06	1.79E-05	1.80E-06	9.36E-07	2.73E-06	8.11E-07	3.85E-07	1.20E-06
1787	569887.65	4215328.45	1.21E-05	6.33E-06	1.84E-05	1.85E-06	9.63E-07	2.81E-06	8.34E-07	3.96E-07	1.23E-06
1788	569887.97	4215338.12	1.26E-05	6.60E-06	1.92E-05	1.92E-06	1.00E-06	2.93E-06	8.69E-07	4.13E-07	1.28E-06
1789	569888.28	4215347.79	1.35E-05	7.07E-06	2.06E-05	2.06E-06	1.07E-06	3.14E-06	9.31E-07	4.42E-07	1.37E-06
1790	569888.6	4215357.46	1.41E-05	7.39E-06	2.15E-05	2.16E-06	1.12E-06	3.28E-06	9.74E-07	4.63E-07	1.44E-06
1791	569888.91	4215367.13	1.50E-05	7.87E-06	2.29E-05	2.30E-06	1.20E-06	3.49E-06	1.04E-06	4.93E-07	1.53E-06
1792	569873.56	4215203.05	1.98E-05	1.03E-05	3.01E-05	3.02E-06	1.57E-06	4.59E-06	1.36E-06	6.48E-07	2.01E-06
1793	569873.88	4215212.72	1.86E-05	9.71E-06	2.83E-05	2.83E-06	1.48E-06	4.31E-06	1.28E-06	6.08E-07	1.89E-06
1794	569874.19	4215222.39	1.68E-05	8.81E-06	2.56E-05	2.57E-06	1.34E-06	3.91E-06	1.16E-06	5.52E-07	1.71E-06
1795	569874.51	4215232.06	1.54E-05	8.05E-06	2.34E-05	2.35E-06	1.22E-06	3.57E-06	1.06E-06	5.04E-07	1.56E-06
1796	569874.82	4215241.73	1.42E-05	7.44E-06	2.17E-05	2.17E-06	1.13E-06	3.30E-06	9.80E-07	4.66E-07	1.45E-06
1797	569875.14	4215251.4	1.32E-05	6.91E-06	2.01E-05	2.02E-06	1.05E-06	3.07E-06	9.11E-07	4.33E-07	1.34E-06
1798	569875.45	4215261.07	1.24E-05	6.51E-06	1.89E-05	1.90E-06	9.90E-07	2.89E-06	8.57E-07	4.07E-07	1.26E-06
1799	569875.77	4215270.75	1.18E-05	6.20E-06	1.80E-05	1.81E-06	9.43E-07	2.75E-06	8.16E-07	3.88E-07	1.20E-06
1800	569876.08	4215280.42	1.14E-05	5.94E-06	1.73E-05	1.73E-06	9.03E-07	2.64E-06	7.82E-07	3.72E-07	1.15E-06
1801	569876.4	4215290.09	1.11E-05	5.79E-06	1.69E-05	1.69E-06	8.81E-07	2.57E-06	7.63E-07	3.63E-07	1.13E-06
1802	569876.71	4215299.76	1.10E-05	5.77E-06	1.68E-05	1.68E-06	8.78E-07	2.56E-06	7.60E-07	3.61E-07	1.12E-06
1803	569877.03	4215309.43	1.10E-05	5.76E-06	1.68E-05	1.68E-06	8.76E-07	2.56E-06	7.59E-07	3.61E-07	1.12E-06
1804	569877.34	4215319.1	1.11E-05	5.79E-06	1.69E-05	1.69E-06	8.80E-07	2.57E-06	7.62E-07	3.62E-07	1.12E-06
1805	569877.66	4215328.77	1.13E-05	5.92E-06	1.72E-05	1.73E-06	9.01E-07	2.63E-06	7.80E-07	3.71E-07	1.15E-06
1806	569877.97	4215338.45	1.17E-05	6.13E-06	1.79E-05	1.79E-06	9.33E-07	2.72E-06	8.08E-07	3.84E-07	1.19E-06
1807	569878.29	4215348.12	1.23E-05	6.41E-06	1.87E-05	1.87E-06	9.75E-07	2.85E-06	8.45E-07	4.02E-07	1.25E-06
1808	569878.6	4215357.79	1.28E-05	6.69E-06	1.95E-05	1.95E-06	1.02E-06	2.97E-06	8.82E-07	4.19E-07	1.30E-06
1809	569878.92	4215367.46	1.35E-05	7.06E-06	2.06E-05	2.06E-06	1.07E-06	3.14E-06	9.30E-07	4.42E-07	1.37E-06
1810	569863.88	4215213.04	1.77E-05	9.28E-06	2.70E-05	2.71E-06	1.41E-06	4.12E-06	1.22E-06	5.81E-07	1.80E-06
1811	569864.2	4215222.71	1.65E-05	8.62E-06	2.51E-05	2.51E-06	1.31E-06	3.83E-06	1.13E-06	5.40E-07	1.67E-06
1812	569864.51	4215232.39	1.52E-05	7.94E-06	2.31E-05	2.32E-06	1.21E-06	3.52E-06	1.05E-06	4.97E-07	1.54E-06
1813	569864.83	4215242.06	1.40E-05	7.32E-06	2.13E-05	2.14E-06	1.11E-06	3.25E-06	9.64E-07	4.58E-07	1.42E-06
1814	569865.14	4215251.73	1.29E-05	6.74E-06	1.96E-05	1.97E-06	1.03E-06	2.99E-06	8.88E-07	4.22E-07	1.31E-06
1815	569865.46	4215261.4	1.21E-05	6.32E-06	1.84E-05	1.84E-06	9.61E-07	2.81E-06	8.32E-07	3.96E-07	1.23E-06
1816	569865.77	4215271.07	1.15E-05	6.00E-06	1.75E-05	1.75E-06	9.12E-07	2.66E-06	7.90E-07	3.76E-07	1.17E-06
1817	569866.09	4215280.74	1.10E-05	5.73E-06	1.67E-05	1.67E-06	8.71E-07	2.54E-06	7.55E-07	3.59E-07	1.11E-06
1818	569866.4	4215290.41	1.06E-05	5.57E-06	1.62E-05	1.63E-06	8.47E-07	2.47E-06	7.34E-07	3.49E-07	1.08E-06
1819	569866.72	4215300.09	1.05E-05	5.52E-06	1.61E-05	1.61E-06	8.39E-07	2.45E-06	7.27E-07	3.45E-07	1.07E-06
1820	569867.03	4215309.76	1.05E-05	5.47E-06	1.59E-05	1.60E-06	8.33E-07	2.43E-06	7.21E-07	3.43E-07	1.06E-06
1821	569867.35	4215319.43	1.05E-05	5.47E-06	1.59E-05	1.60E-06	8.32E-07	2.43E-06	7.20E-07	3.42E-07	1.06E-06
1822	569867.66	4215329.1	1.06E-05	5.55E-06	1.62E-05	1.62E-06	8.45E-07	2.46E-06	7.31E-07	3.48E-07	1.08E-06
1823	569867.98	4215338.77	1.09E-05	5.69E-06	1.66E-05	1.66E-06	8.66E-07	2.53E-06	7.50E-07	3.56E-07	1.11E-06
1824	569868.29	4215348.44	1.13E-05	5.89E-06	1.71E-05	1.72E-06	8.96E-07	2.61E-06	7.76E-07	3.69E-07	1.14E-06
1825	569868.61	4215358.11	1.17E-05	6.11E-06	1.78E-05	1.78E-06	9.29E-07	2.71E-06	8.05E-07	3.83E-07	1.19E-06
1826	569868.92	4215367.79	1.22E-05	6.38E-06	1.86E-05	1.86E-06	9.70E-07	2.83E-06	8.40E-07	3.99E-07	1.24E-06

1827	569853.89	4215213.37	1.70E-05	8.88E-06	2.58E-05	2.59E-06	1.35E-06	3.94E-06	1.17E-06	5.56E-07	1.73E-06
1828	569854.21	4215223.04	1.61E-05	8.43E-06	2.45E-05	2.46E-06	1.28E-06	3.74E-06	1.11E-06	5.28E-07	1.64E-06
1829	569854.52	4215232.71	1.50E-05	7.84E-06	2.28E-05	2.29E-06	1.19E-06	3.48E-06	1.03E-06	4.91E-07	1.52E-06
1830	569854.84	4215242.38	1.38E-05	7.21E-06	2.10E-05	2.10E-06	1.10E-06	3.20E-06	9.50E-07	4.51E-07	1.40E-06
1831	569855.15	4215252.05	1.26E-05	6.61E-06	1.93E-05	1.93E-06	1.01E-06	2.94E-06	8.71E-07	4.14E-07	1.29E-06
1832	569855.47	4215261.73	1.18E-05	6.18E-06	1.80E-05	1.80E-06	9.40E-07	2.74E-06	8.14E-07	3.87E-07	1.20E-06
1833	569855.78	4215271.4	1.12E-05	5.86E-06	1.71E-05	1.71E-06	8.91E-07	2.60E-06	7.72E-07	3.67E-07	1.14E-06
1834	569856.1	4215281.07	1.07E-05	5.59E-06	1.63E-05	1.63E-06	8.50E-07	2.48E-06	7.36E-07	3.50E-07	1.09E-06
1835	569856.41	4215290.74	1.04E-05	5.42E-06	1.58E-05	1.58E-06	8.24E-07	2.40E-06	7.13E-07	3.39E-07	1.05E-06
1836	569856.73	4215300.41	1.02E-05	5.32E-06	1.55E-05	1.55E-06	8.09E-07	2.36E-06	7.01E-07	3.33E-07	1.03E-06
1837	569857.04	4215310.08	9.99E-06	5.23E-06	1.52E-05	1.53E-06	7.95E-07	2.32E-06	6.89E-07	3.27E-07	1.02E-06
1838	569857.36	4215319.75	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
1839	569857.67	4215329.43	9.97E-06	5.21E-06	1.52E-05	1.52E-06	7.93E-07	2.31E-06	6.87E-07	3.26E-07	1.01E-06
1840	569857.99	4215339.1	1.01E-05	5.28E-06	1.54E-05	1.54E-06	8.03E-07	2.35E-06	6.96E-07	3.31E-07	1.03E-06
1841	569858.3	4215348.77	1.03E-05	5.40E-06	1.57E-05	1.57E-06	8.21E-07	2.40E-06	7.11E-07	3.38E-07	1.05E-06
1842	569858.62	4215358.44	1.06E-05	5.56E-06	1.62E-05	1.62E-06	8.45E-07	2.47E-06	7.32E-07	3.48E-07	1.08E-06
1843	569858.93	4215368.11	1.10E-05	5.73E-06	1.67E-05	1.67E-06	8.72E-07	2.55E-06	7.55E-07	3.59E-07	1.11E-06
1844	569844.21	4215223.37	1.57E-05	8.23E-06	2.40E-05	2.40E-06	1.25E-06	3.65E-06	1.08E-06	5.15E-07	1.60E-06
1845	569844.53	4215233.04	1.48E-05	7.72E-06	2.25E-05	2.25E-06	1.17E-06	3.43E-06	1.02E-06	4.84E-07	1.50E-06
1846	569844.84	4215242.71	1.36E-05	7.10E-06	2.07E-05	2.07E-06	1.08E-06	3.15E-06	9.35E-07	4.45E-07	1.38E-06
1847	569845.16	4215252.38	1.24E-05	6.49E-06	1.89E-05	1.89E-06	9.87E-07	2.88E-06	8.54E-07	4.06E-07	1.26E-06
1848	569845.47	4215262.05	1.16E-05	6.05E-06	1.76E-05	1.77E-06	9.21E-07	2.69E-06	7.97E-07	3.79E-07	1.18E-06
1849	569845.79	4215271.72	1.10E-05	5.73E-06	1.67E-05	1.67E-06	8.72E-07	2.55E-06	7.55E-07	3.59E-07	1.11E-06
1850	569846.1	4215281.39	1.04E-05	5.46E-06	1.59E-05	1.59E-06	8.31E-07	2.42E-06	7.19E-07	3.42E-07	1.06E-06
1851	569846.42	4215291.07	1.01E-05	5.27E-06	1.53E-05	1.54E-06	8.01E-07	2.34E-06	6.94E-07	3.30E-07	1.02E-06
1852	569846.73	4215300.74	9.80E-06	5.13E-06	1.49E-05	1.50E-06	7.80E-07	2.28E-06	6.75E-07	3.21E-07	9.96E-07
1853	569847.05	4215310.41	9.55E-06	4.99E-06	1.45E-05	1.46E-06	7.60E-07	2.22E-06	6.58E-07	3.13E-07	9.71E-07
1854	569847.36	4215320.08	9.39E-06	4.91E-06	1.43E-05	1.43E-06	7.47E-07	2.18E-06	6.47E-07	3.08E-07	9.54E-07
1855	569847.68	4215329.75	9.37E-06	4.90E-06	1.43E-05	1.43E-06	7.46E-07	2.18E-06	6.46E-07	3.07E-07	9.53E-07
1856	569847.99	4215339.42	9.39E-06	4.91E-06	1.43E-05	1.43E-06	7.47E-07	2.18E-06	6.47E-07	3.07E-07	9.54E-07
1857	569848.31	4215349.09	9.48E-06	4.96E-06	1.44E-05	1.45E-06	7.55E-07	2.20E-06	6.53E-07	3.11E-07	9.64E-07
1858	569848.62	4215358.77	9.68E-06	5.07E-06	1.48E-05	1.48E-06	7.71E-07	2.25E-06	6.67E-07	3.17E-07	9.85E-07
1859	569848.94	4215368.44	9.90E-06	5.18E-06	1.51E-05	1.51E-06	7.88E-07	2.30E-06	6.82E-07	3.24E-07	1.01E-06
1860	569834.22	4215223.69	1.49E-05	7.79E-06	2.27E-05	2.27E-06	1.18E-06	3.46E-06	1.03E-06	4.88E-07	1.51E-06
1861	569834.53	4215233.36	1.41E-05	7.35E-06	2.14E-05	2.15E-06	1.12E-06	3.26E-06	9.68E-07	4.60E-07	1.43E-06
1862	569834.85	4215243.03	1.30E-05	6.80E-06	1.98E-05	1.98E-06	1.03E-06	3.02E-06	8.96E-07	4.26E-07	1.32E-06
1863	569835.16	4215252.71	1.19E-05	6.24E-06	1.82E-05	1.82E-06	9.50E-07	2.77E-06	8.22E-07	3.91E-07	1.21E-06
1864	569835.48	4215262.38	1.12E-05	5.85E-06	1.70E-05	1.71E-06	8.90E-07	2.60E-06	7.70E-07	3.66E-07	1.14E-06
1865	569835.79	4215272.05	1.06E-05	5.55E-06	1.62E-05	1.62E-06	8.44E-07	2.46E-06	7.31E-07	3.47E-07	1.08E-06
1866	569836.11	4215281.72	1.01E-05	5.29E-06	1.54E-05	1.54E-06	8.04E-07	2.35E-06	6.97E-07	3.31E-07	1.03E-06
1867	569836.42	4215291.39	9.73E-06	5.09E-06	1.48E-05	1.49E-06	7.74E-07	2.26E-06	6.70E-07	3.19E-07	9.89E-07
1868	569836.74	4215301.06	9.42E-06	4.93E-06	1.43E-05	1.44E-06	7.50E-07	2.19E-06	6.49E-07	3.09E-07	9.58E-07
1869	569837.05	4215310.73	9.13E-06	4.78E-06	1.39E-05	1.39E-06	7.26E-07	2.12E-06	6.29E-07	2.99E-07	9.28E-07
1870	569837.37	4215320.41	8.94E-06	4.68E-06	1.36E-05	1.37E-06	7.11E-07	2.08E-06	6.16E-07	2.93E-07	9.09E-07
1871	569837.68	4215330.08	8.87E-06	4.64E-06	1.35E-05	1.36E-06	7.06E-07	2.06E-06	6.11E-07	2.91E-07	9.02E-07
1872	569838	4215339.75	8.83E-06	4.62E-06	1.34E-05	1.35E-06	7.02E-07	2.05E-06	6.08E-07	2.89E-07	8.97E-07
1873	569838.31	4215349.42	8.84E-06	4.62E-06	1.35E-05	1.35E-06	7.03E-07	2.05E-06	6.09E-07	2.89E-07	8.98E-07
1874	569838.63	4215359.09	8.94E-06	4.68E-06	1.36E-05	1.37E-06	7.12E-07	2.08E-06	6.16E-07	2.93E-07	9.09E-07
1875	569838.94	4215368.76	9.04E-06	4.73E-06	1.38E-05	1.38E-06	7.19E-07	2.10E-06	6.23E-07	2.96E-07	9.19E-07
1876	569824.54	4215233.69	1.34E-05	6.99E-06	2.04E-05	2.04E-06	1.06E-06	3.10E-06	9.21E-07	4.38E-07	1.36E-06
1877	569824.85	4215243.36	1.24E-05	6.50E-06	1.89E-05	1.90E-06	9.88E-07	2.88E-06	8.56E-07	4.07E-07	1.26E-06
1878	569825.17	4215253.03	1.15E-05	6.00E-06	1.75E-05	1.75E-06	9.12E-07	2.66E-06	7.90E-07	3.76E-07	1.17E-06
1879	569825.48	4215262.7	1.08E-05	5.64E-06	1.64E-05	1.65E-06	8.57E-07	2.50E-06	7.42E-07	3.53E-07	1.10E-06
1880	569825.8	4215272.37	1.02E-05	5.35E-06	1.56E-05	1.56E-06	8.14E-07	2.38E-06	7.05E-07	3.35E-07	1.04E-06
1881	569826.11	4215282.04	9.76E-06	5.11E-06	1.49E-05	1.49E-06	7.77E-07	2.27E-06	6.73E-07	3.20E-07	9.92E-07
1882	569826.43	4215291.72	9.38E-06	4.91E-06	1.43E-05	1.43E-06	7.46E-07	2.18E-06	6.46E-07	3.07E-07	9.53E-07
1883	569826.74	4215301.39	9.05E-06	4.73E-06	1.38E-05	1.38E-06	7.20E-07	2.10E-06	6.23E-07	2.96E-07	9.20E-07
1884	569827.06	4215311.06	8.74E-06	4.57E-06	1.33E-05	1.33E-06	6.95E-07	2.03E-06	6.02E-07	2.86E-07	8.89E-07
1885	569827.37	4215320.73	8.54E-06	4.47E-06	1.30E-05	1.30E-06	6.80E-07	1.98E-06	5.88E-07	2.80E-07	8.68E-07
1886	569827.69	4215330.4	8.45E-06	4.42E-06	1.29E-05	1.29E-06	6.72E-07	1.96E-06	5.82E-07	2.77E-07	8.59E-07
1887	569828	4215340.07	8.37E-06	4.38E-06	1.27E-05	1.28E-06	6.66E-07	1.94E-06	5.76E-07	2.74E-07	8.50E-07

1888	569828.32	4215349.74	8.32E-06	4.35E-06	1.27E-05	1.27E-06	6.62E-07	1.93E-06	5.74E-07	2.73E-07	8.46E-07
1889	569828.63	4215359.42	8.35E-06	4.37E-06	1.27E-05	1.27E-06	6.64E-07	1.94E-06	5.75E-07	2.73E-07	8.48E-07
1890	569828.95	4215369.09	8.35E-06	4.37E-06	1.27E-05	1.28E-06	6.64E-07	1.94E-06	5.75E-07	2.74E-07	8.49E-07
1891	569814.86	4215243.68	1.19E-05	6.22E-06	1.81E-05	1.81E-06	9.45E-07	2.76E-06	8.19E-07	3.89E-07	1.21E-06
1892	569815.17	4215253.36	1.10E-05	5.77E-06	1.68E-05	1.68E-06	8.77E-07	2.56E-06	7.59E-07	3.61E-07	1.12E-06
1893	569815.49	4215263.03	1.04E-05	5.44E-06	1.58E-05	1.59E-06	8.27E-07	2.41E-06	7.16E-07	3.40E-07	1.06E-06
1894	569815.8	4215272.7	9.88E-06	5.17E-06	1.50E-05	1.51E-06	7.86E-07	2.29E-06	6.81E-07	3.24E-07	1.00E-06
1895	569816.12	4215282.37	9.43E-06	4.93E-06	1.44E-05	1.44E-06	7.50E-07	2.19E-06	6.50E-07	3.09E-07	9.58E-07
1896	569816.43	4215292.04	9.04E-06	4.73E-06	1.38E-05	1.38E-06	7.19E-07	2.10E-06	6.23E-07	2.96E-07	9.19E-07
1897	569816.75	4215301.71	8.69E-06	4.55E-06	1.32E-05	1.33E-06	6.91E-07	2.02E-06	5.99E-07	2.85E-07	8.83E-07
1898	569817.06	4215311.38	8.37E-06	4.38E-06	1.27E-05	1.28E-06	6.66E-07	1.94E-06	5.77E-07	2.74E-07	8.51E-07
1899	569817.38	4215321.06	8.16E-06	4.27E-06	1.24E-05	1.25E-06	6.49E-07	1.89E-06	5.62E-07	2.67E-07	8.29E-07
1900	569817.69	4215330.73	8.05E-06	4.21E-06	1.23E-05	1.23E-06	6.40E-07	1.87E-06	5.54E-07	2.64E-07	8.18E-07
1901	569818.01	4215340.4	7.93E-06	4.15E-06	1.21E-05	1.21E-06	6.31E-07	1.84E-06	5.47E-07	2.60E-07	8.07E-07
1902	569818.32	4215350.07	7.85E-06	4.11E-06	1.20E-05	1.20E-06	6.25E-07	1.82E-06	5.41E-07	2.57E-07	7.98E-07
1903	569818.64	4215359.74	7.81E-06	4.09E-06	1.19E-05	1.19E-06	6.22E-07	1.81E-06	5.38E-07	2.56E-07	7.94E-07
1904	569818.95	4215369.41	7.74E-06	4.05E-06	1.18E-05	1.18E-06	6.16E-07	1.80E-06	5.34E-07	2.54E-07	7.87E-07
1905	569804.86	4215244.01	1.12E-05	5.85E-06	1.70E-05	1.71E-06	8.90E-07	2.60E-06	7.71E-07	3.67E-07	1.14E-06
1906	569805.18	4215253.68	1.04E-05	5.43E-06	1.58E-05	1.59E-06	8.26E-07	2.41E-06	7.16E-07	3.40E-07	1.06E-06
1907	569805.49	4215263.35	9.81E-06	5.13E-06	1.49E-05	1.50E-06	7.80E-07	2.28E-06	6.76E-07	3.21E-07	9.97E-07
1908	569805.81	4215273.02	9.34E-06	4.89E-06	1.42E-05	1.43E-06	7.43E-07	2.17E-06	6.44E-07	3.06E-07	9.50E-07
1909	569806.12	4215282.7	8.93E-06	4.67E-06	1.36E-05	1.36E-06	7.11E-07	2.07E-06	6.15E-07	2.93E-07	9.08E-07
1910	569806.44	4215292.37	8.58E-06	4.49E-06	1.31E-05	1.31E-06	6.83E-07	1.99E-06	5.91E-07	2.81E-07	8.72E-07
1911	569806.75	4215302.04	8.27E-06	4.33E-06	1.26E-05	1.26E-06	6.58E-07	1.92E-06	5.70E-07	2.71E-07	8.41E-07
1912	569807.07	4215311.71	7.97E-06	4.17E-06	1.21E-05	1.22E-06	6.34E-07	1.85E-06	5.49E-07	2.61E-07	8.10E-07
1913	569807.38	4215321.38	7.78E-06	4.07E-06	1.18E-05	1.19E-06	6.19E-07	1.81E-06	5.36E-07	2.55E-07	7.91E-07
1914	569807.7	4215331.05	7.66E-06	4.01E-06	1.17E-05	1.17E-06	6.09E-07	1.78E-06	5.28E-07	2.51E-07	7.78E-07
1915	569808.01	4215340.72	7.53E-06	3.94E-06	1.15E-05	1.15E-06	5.99E-07	1.75E-06	5.19E-07	2.47E-07	7.65E-07
1916	569808.33	4215350.4	7.42E-06	3.88E-06	1.13E-05	1.13E-06	5.91E-07	1.72E-06	5.11E-07	2.43E-07	7.55E-07
1917	569808.64	4215360.07	7.35E-06	3.85E-06	1.12E-05	1.12E-06	5.85E-07	1.71E-06	5.06E-07	2.41E-07	7.47E-07
1918	569808.96	4215369.74	7.25E-06	3.79E-06	1.10E-05	1.11E-06	5.77E-07	1.68E-06	5.00E-07	2.37E-07	7.37E-07
1919	569795.18	4215254.01	9.76E-06	5.11E-06	1.49E-05	1.49E-06	7.77E-07	2.27E-06	6.72E-07	3.20E-07	9.92E-07
1920	569795.5	4215263.68	9.23E-06	4.83E-06	1.41E-05	1.41E-06	7.34E-07	2.14E-06	6.36E-07	3.02E-07	9.38E-07
1921	569795.81	4215273.35	8.80E-06	4.60E-06	1.34E-05	1.34E-06	7.00E-07	2.04E-06	6.06E-07	2.88E-07	8.94E-07
1922	569796.13	4215283.02	8.42E-06	4.41E-06	1.28E-05	1.29E-06	6.70E-07	1.96E-06	5.80E-07	2.76E-07	8.56E-07
1923	569796.44	4215292.69	8.12E-06	4.25E-06	1.24E-05	1.24E-06	6.46E-07	1.89E-06	5.59E-07	2.66E-07	8.25E-07
1924	569796.76	4215302.36	7.85E-06	4.10E-06	1.20E-05	1.20E-06	6.24E-07	1.82E-06	5.41E-07	2.57E-07	7.98E-07
1925	569797.07	4215312.04	7.58E-06	3.97E-06	1.16E-05	1.16E-06	6.03E-07	1.76E-06	5.23E-07	2.48E-07	7.71E-07
1926	569797.39	4215321.71	7.41E-06	3.88E-06	1.13E-05	1.13E-06	5.89E-07	1.72E-06	5.10E-07	2.43E-07	7.53E-07
1927	569797.7	4215331.38	7.28E-06	3.81E-06	1.11E-05	1.11E-06	5.79E-07	1.69E-06	5.02E-07	2.39E-07	7.40E-07
1928	569798.02	4215341.05	7.15E-06	3.74E-06	1.09E-05	1.09E-06	5.69E-07	1.66E-06	4.93E-07	2.34E-07	7.27E-07
1929	569798.33	4215350.72	7.04E-06	3.68E-06	1.07E-05	1.07E-06	5.60E-07	1.63E-06	4.85E-07	2.30E-07	7.15E-07
1930	569798.65	4215360.39	6.95E-06	3.64E-06	1.06E-05	1.06E-06	5.53E-07	1.61E-06	4.79E-07	2.28E-07	7.07E-07
1931	569785.19	4215254.33	9.19E-06	4.81E-06	1.40E-05	1.40E-06	7.31E-07	2.13E-06	6.33E-07	3.01E-07	9.34E-07
1932	569785.5	4215264	8.70E-06	4.55E-06	1.33E-05	1.33E-06	6.92E-07	2.02E-06	6.00E-07	2.85E-07	8.85E-07
1933	569785.82	4215273.68	8.30E-06	4.34E-06	1.26E-05	1.27E-06	6.61E-07	1.93E-06	5.72E-07	2.72E-07	8.44E-07
1934	569786.13	4215283.35	7.95E-06	4.16E-06	1.21E-05	1.21E-06	6.33E-07	1.85E-06	5.48E-07	2.61E-07	8.09E-07
1935	569786.45	4215293.02	7.69E-06	4.02E-06	1.17E-05	1.17E-06	6.12E-07	1.79E-06	5.30E-07	2.52E-07	7.82E-07
1936	569786.76	4215302.69	7.45E-06	3.90E-06	1.14E-05	1.14E-06	5.93E-07	1.73E-06	5.14E-07	2.44E-07	7.58E-07
1937	569787.08	4215312.36	7.22E-06	3.78E-06	1.10E-05	1.10E-06	5.75E-07	1.68E-06	4.98E-07	2.37E-07	7.34E-07
1938	569787.39	4215322.03	7.06E-06	3.69E-06	1.08E-05	1.08E-06	5.62E-07	1.64E-06	4.87E-07	2.31E-07	7.18E-07
1939	569787.71	4215331.7	6.93E-06	3.63E-06	1.06E-05	1.06E-06	5.52E-07	1.61E-06	4.78E-07	2.27E-07	7.05E-07
1940	569788.02	4215341.38	6.79E-06	3.56E-06	1.03E-05	1.04E-06	5.41E-07	1.58E-06	4.68E-07	2.23E-07	6.91E-07
1941	569788.34	4215351.05	6.68E-06	3.49E-06	1.02E-05	1.02E-06	5.32E-07	1.55E-06	4.60E-07	2.19E-07	6.79E-07
1942	569788.65	4215360.72	6.59E-06	3.45E-06	1.00E-05	1.01E-06	5.24E-07	1.53E-06	4.54E-07	2.16E-07	6.70E-07
1943	569775.51	4215264.33	8.26E-06	4.32E-06	1.26E-05	1.26E-06	6.58E-07	1.92E-06	5.69E-07	2.71E-07	8.40E-07
1944	569775.82	4215274	7.89E-06	4.13E-06	1.20E-05	1.20E-06	6.28E-07	1.83E-06	5.43E-07	2.58E-07	8.02E-07
1945	569776.14	4215283.67	7.56E-06	3.95E-06	1.15E-05	1.15E-06	6.01E-07	1.76E-06	5.21E-07	2.48E-07	7.68E-07
1946	569776.45	4215293.34	7.30E-06	3.82E-06	1.11E-05	1.12E-06	5.81E-07	1.70E-06	5.03E-07	2.39E-07	7.43E-07
1947	569776.77	4215303.02	7.08E-06	3.70E-06	1.08E-05	1.08E-06	5.63E-07	1.64E-06	4.88E-07	2.32E-07	7.20E-07
1948	569777.08	4215312.69	6.86E-06	3.59E-06	1.04E-05	1.05E-06	5.46E-07	1.59E-06	4.73E-07	2.25E-07	6.97E-07

1949	569777.4	4215322.36	6.71E-06	3.51E-06	1.02E-05	1.02E-06	5.34E-07	1.56E-06	4.62E-07	2.20E-07	6.82E-07
1950	569777.71	4215332.03	6.58E-06	3.44E-06	1.00E-05	1.00E-06	5.24E-07	1.53E-06	4.53E-07	2.16E-07	6.69E-07
1951	569778.03	4215341.7	6.44E-06	3.37E-06	9.81E-06	9.83E-07	5.12E-07	1.50E-06	4.44E-07	2.11E-07	6.55E-07
1952	569778.34	4215351.37	6.33E-06	3.31E-06	9.63E-06	9.66E-07	5.03E-07	1.47E-06	4.36E-07	2.07E-07	6.43E-07
1953	569778.66	4215361.04	6.24E-06	3.26E-06	9.50E-06	9.53E-07	4.96E-07	1.45E-06	4.30E-07	2.04E-07	6.34E-07
1954	569765.51	4215264.66	7.87E-06	4.12E-06	1.20E-05	1.20E-06	6.26E-07	1.83E-06	5.42E-07	2.58E-07	8.00E-07
1955	569765.83	4215274.33	7.51E-06	3.93E-06	1.14E-05	1.15E-06	5.97E-07	1.74E-06	5.17E-07	2.46E-07	7.63E-07
1956	569766.14	4215284	7.19E-06	3.76E-06	1.10E-05	1.10E-06	5.72E-07	1.67E-06	4.96E-07	2.36E-07	7.31E-07
1957	569766.46	4215293.67	6.95E-06	3.64E-06	1.06E-05	1.06E-06	5.53E-07	1.61E-06	4.79E-07	2.28E-07	7.06E-07
1958	569766.77	4215303.34	6.73E-06	3.52E-06	1.02E-05	1.03E-06	5.35E-07	1.56E-06	4.64E-07	2.20E-07	6.84E-07
1959	569767.09	4215313.01	6.51E-06	3.41E-06	9.92E-06	9.94E-07	5.18E-07	1.51E-06	4.49E-07	2.13E-07	6.62E-07
1960	569767.4	4215322.68	6.36E-06	3.33E-06	9.69E-06	9.72E-07	5.06E-07	1.48E-06	4.39E-07	2.08E-07	6.47E-07
1961	569767.72	4215332.36	6.24E-06	3.26E-06	9.50E-06	9.52E-07	4.96E-07	1.45E-06	4.30E-07	2.04E-07	6.34E-07
1962	569768.03	4215342.03	6.10E-06	3.19E-06	9.28E-06	9.31E-07	4.85E-07	1.42E-06	4.20E-07	2.00E-07	6.20E-07
1963	569768.35	4215351.7	5.98E-06	3.13E-06	9.12E-06	9.14E-07	4.76E-07	1.39E-06	4.12E-07	1.96E-07	6.08E-07
1964	569768.66	4215361.37	5.90E-06	3.09E-06	8.99E-06	9.01E-07	4.69E-07	1.37E-06	4.07E-07	1.93E-07	6.00E-07
1965	569755.83	4215274.65	7.15E-06	3.74E-06	1.09E-05	1.09E-06	5.69E-07	1.66E-06	4.93E-07	2.34E-07	7.27E-07
1966	569756.15	4215284.32	6.86E-06	3.59E-06	1.04E-05	1.05E-06	5.46E-07	1.59E-06	4.73E-07	2.25E-07	6.97E-07
1967	569756.46	4215293.99	6.62E-06	3.46E-06	1.01E-05	1.01E-06	5.27E-07	1.54E-06	4.56E-07	2.17E-07	6.73E-07
1968	569756.78	4215303.67	6.40E-06	3.35E-06	9.75E-06	9.77E-07	5.09E-07	1.49E-06	4.41E-07	2.10E-07	6.51E-07
1969	569757.09	4215313.34	6.19E-06	3.24E-06	9.44E-06	9.46E-07	4.93E-07	1.44E-06	4.27E-07	2.03E-07	6.30E-07
1970	569757.41	4215323.01	6.06E-06	3.17E-06	9.22E-06	9.25E-07	4.82E-07	1.41E-06	4.17E-07	1.98E-07	6.16E-07
1971	569757.72	4215332.68	5.93E-06	3.10E-06	9.03E-06	9.05E-07	4.72E-07	1.38E-06	4.08E-07	1.94E-07	6.03E-07
1972	569758.04	4215342.35	5.79E-06	3.03E-06	8.81E-06	8.84E-07	4.60E-07	1.34E-06	3.99E-07	1.90E-07	5.88E-07
1973	569758.35	4215352.02	5.68E-06	2.97E-06	8.65E-06	8.67E-07	4.52E-07	1.32E-06	3.91E-07	1.86E-07	5.77E-07
1974	569758.67	4215361.69	5.60E-06	2.93E-06	8.52E-06	8.54E-07	4.45E-07	1.30E-06	3.86E-07	1.83E-07	5.69E-07
1975	569745.84	4215274.98	6.82E-06	3.57E-06	1.04E-05	1.04E-06	5.43E-07	1.58E-06	4.70E-07	2.24E-07	6.94E-07
1976	569746.15	4215284.65	6.54E-06	3.42E-06	9.97E-06	9.99E-07	5.21E-07	1.52E-06	4.51E-07	2.14E-07	6.65E-07
1977	569746.47	4215294.32	6.32E-06	3.31E-06	9.63E-06	9.66E-07	5.03E-07	1.47E-06	4.36E-07	2.07E-07	6.43E-07
1978	569746.78	4215303.99	6.12E-06	3.20E-06	9.33E-06	9.35E-07	4.87E-07	1.42E-06	4.22E-07	2.01E-07	6.23E-07
1979	569747.1	4215313.66	5.93E-06	3.10E-06	9.04E-06	9.06E-07	4.72E-07	1.38E-06	4.09E-07	1.94E-07	6.03E-07
1980	569747.41	4215323.33	5.80E-06	3.03E-06	8.83E-06	8.85E-07	4.61E-07	1.35E-06	4.00E-07	1.90E-07	5.89E-07
1981	569747.73	4215333.01	5.67E-06	2.97E-06	8.64E-06	8.66E-07	4.51E-07	1.32E-06	3.91E-07	1.86E-07	5.77E-07
1982	569748.04	4215342.68	5.53E-06	2.89E-06	8.42E-06	8.44E-07	4.40E-07	1.28E-06	3.81E-07	1.81E-07	5.62E-07
1983	569748.36	4215352.35	5.42E-06	2.84E-06	8.25E-06	8.27E-07	4.31E-07	1.26E-06	3.73E-07	1.78E-07	5.51E-07
1984	569735.21	4215255.96	7.19E-06	3.76E-06	1.09E-05	1.10E-06	5.72E-07	1.67E-06	4.95E-07	2.35E-07	7.31E-07
1985	569735.53	4215265.63	6.82E-06	3.57E-06	1.04E-05	1.04E-06	5.43E-07	1.58E-06	4.70E-07	2.23E-07	6.94E-07
1986	569735.84	4215275.3	6.51E-06	3.41E-06	9.92E-06	9.94E-07	5.18E-07	1.51E-06	4.49E-07	2.13E-07	6.62E-07
1987	569736.16	4215284.97	6.25E-06	3.27E-06	9.52E-06	9.54E-07	4.97E-07	1.45E-06	4.31E-07	2.05E-07	6.35E-07
1988	569736.47	4215294.65	6.05E-06	3.17E-06	9.22E-06	9.25E-07	4.82E-07	1.41E-06	4.17E-07	1.98E-07	6.16E-07
1989	569736.79	4215304.32	5.87E-06	3.07E-06	8.95E-06	8.97E-07	4.67E-07	1.36E-06	4.05E-07	1.92E-07	5.97E-07
1990	569737.1	4215313.99	5.70E-06	2.98E-06	8.68E-06	8.70E-07	4.53E-07	1.32E-06	3.93E-07	1.87E-07	5.79E-07
1991	569737.42	4215323.66	5.57E-06	2.91E-06	8.48E-06	8.50E-07	4.43E-07	1.29E-06	3.84E-07	1.82E-07	5.66E-07
1992	569737.73	4215333.33	5.44E-06	2.85E-06	8.29E-06	8.31E-07	4.33E-07	1.26E-06	3.75E-07	1.78E-07	5.53E-07
1993	569738.05	4215343	5.30E-06	2.77E-06	8.07E-06	8.09E-07	4.21E-07	1.23E-06	3.65E-07	1.73E-07	5.38E-07
1994	569738.36	4215352.67	5.19E-06	2.72E-06	7.91E-06	7.93E-07	4.13E-07	1.21E-06	3.58E-07	1.70E-07	5.28E-07
1995	569724.59	4215236.94	7.77E-06	4.07E-06	1.18E-05	1.19E-06	6.18E-07	1.81E-06	5.36E-07	2.55E-07	7.90E-07
1996	569724.9	4215246.61	7.28E-06	3.81E-06	1.11E-05	1.11E-06	5.80E-07	1.69E-06	5.02E-07	2.39E-07	7.41E-07
1997	569725.22	4215256.29	6.87E-06	3.59E-06	1.05E-05	1.05E-06	5.46E-07	1.59E-06	4.73E-07	2.25E-07	6.98E-07
1998	569725.53	4215265.96	6.52E-06	3.41E-06	9.93E-06	9.95E-07	5.19E-07	1.51E-06	4.49E-07	2.13E-07	6.63E-07
1999	569725.85	4215275.63	6.22E-06	3.26E-06	9.48E-06	9.50E-07	4.95E-07	1.45E-06	4.29E-07	2.04E-07	6.33E-07
2000	569726.16	4215285.3	5.97E-06	3.13E-06	9.10E-06	9.12E-07	4.75E-07	1.39E-06	4.12E-07	1.96E-07	6.07E-07
2001	569726.48	4215294.97	5.80E-06	3.04E-06	8.84E-06	8.86E-07	4.62E-07	1.35E-06	4.00E-07	1.90E-07	5.90E-07
2002	569726.79	4215304.64	5.64E-06	2.95E-06	8.59E-06	8.61E-07	4.49E-07	1.31E-06	3.89E-07	1.85E-07	5.73E-07
2003	569727.11	4215314.31	5.48E-06	2.87E-06	8.34E-06	8.36E-07	4.36E-07	1.27E-06	3.77E-07	1.79E-07	5.57E-07
2004	569727.42	4215323.99	5.35E-06	2.80E-06	8.15E-06	8.17E-07	4.26E-07	1.24E-06	3.69E-07	1.75E-07	5.44E-07
2005	569727.74	4215333.66	5.22E-06	2.73E-06	7.96E-06	7.98E-07	4.16E-07	1.21E-06	3.60E-07	1.71E-07	5.31E-07
2006	569728.05	4215343.33	5.08E-06	2.66E-06	7.74E-06	7.76E-07	4.04E-07	1.18E-06	3.50E-07	1.66E-07	5.17E-07
2007	569728.37	4215353	4.98E-06	2.60E-06	7.58E-06	7.60E-07	3.96E-07	1.16E-06	3.43E-07	1.63E-07	5.06E-07
2008	569728.68	4215362.67	4.90E-06	2.56E-06	7.47E-06	7.48E-07	3.90E-07	1.14E-06	3.38E-07	1.61E-07	4.98E-07
2009	569713.96	4215217.93	8.14E-06	4.26E-06	1.24E-05	1.24E-06	6.48E-07	1.89E-06	5.61E-07	2.67E-07	8.28E-07

2010	569714.28	4215227.6	8.03E-06	4.20E-06	1.22E-05	1.23E-06	6.39E-07	1.87E-06	5.53E-07	2.63E-07	8.17E-07
2011	569714.59	4215237.27	7.53E-06	3.94E-06	1.15E-05	1.15E-06	5.99E-07	1.75E-06	5.19E-07	2.47E-07	7.66E-07
2012	569714.91	4215246.94	7.07E-06	3.70E-06	1.08E-05	1.08E-06	5.63E-07	1.64E-06	4.87E-07	2.32E-07	7.19E-07
2013	569715.22	4215256.61	6.67E-06	3.49E-06	1.02E-05	1.02E-06	5.31E-07	1.55E-06	4.60E-07	2.19E-07	6.78E-07
2014	569715.54	4215266.28	6.32E-06	3.31E-06	9.63E-06	9.65E-07	5.03E-07	1.47E-06	4.36E-07	2.07E-07	6.43E-07
2015	569715.85	4215275.95	6.03E-06	3.15E-06	9.18E-06	9.21E-07	4.80E-07	1.40E-06	4.15E-07	1.97E-07	6.13E-07
2016	569716.17	4215285.63	5.78E-06	3.02E-06	8.80E-06	8.82E-07	4.60E-07	1.34E-06	3.98E-07	1.89E-07	5.87E-07
2017	569716.48	4215295.3	5.61E-06	2.93E-06	8.54E-06	8.56E-07	4.46E-07	1.30E-06	3.86E-07	1.84E-07	5.70E-07
2018	569716.8	4215304.97	5.44E-06	2.85E-06	8.29E-06	8.31E-07	4.33E-07	1.26E-06	3.75E-07	1.78E-07	5.53E-07
2019	569717.11	4215314.64	5.29E-06	2.77E-06	8.05E-06	8.07E-07	4.21E-07	1.23E-06	3.64E-07	1.73E-07	5.37E-07
2020	569717.43	4215324.31	5.16E-06	2.70E-06	7.86E-06	7.88E-07	4.11E-07	1.20E-06	3.56E-07	1.69E-07	5.25E-07
2021	569717.74	4215333.98	5.03E-06	2.63E-06	7.66E-06	7.68E-07	4.00E-07	1.17E-06	3.46E-07	1.65E-07	5.11E-07
2022	569718.06	4215343.65	4.88E-06	2.56E-06	7.44E-06	7.46E-07	3.89E-07	1.13E-06	3.37E-07	1.60E-07	4.97E-07
2023	569718.37	4215353.33	4.78E-06	2.50E-06	7.29E-06	7.31E-07	3.81E-07	1.11E-06	3.30E-07	1.57E-07	4.86E-07
2024	569718.69	4215363	4.71E-06	2.46E-06	7.17E-06	7.19E-07	3.74E-07	1.09E-06	3.24E-07	1.54E-07	4.78E-07
2025	569719	4215372.67	4.63E-06	2.42E-06	7.05E-06	7.07E-07	3.68E-07	1.08E-06	3.19E-07	1.52E-07	4.71E-07
2026	569719.32	4215382.34	4.60E-06	2.41E-06	7.01E-06	7.02E-07	3.66E-07	1.07E-06	3.17E-07	1.51E-07	4.68E-07
2027	569709.13	4215384.84	4.40E-06	2.30E-06	6.70E-06	6.72E-07	3.50E-07	1.02E-06	3.03E-07	1.44E-07	4.47E-07
2028	569699.1	4215385.23	4.22E-06	2.21E-06	6.43E-06	6.44E-07	3.36E-07	9.80E-07	2.91E-07	1.38E-07	4.29E-07
2029	569702.37	4215376.72	4.30E-06	2.25E-06	6.54E-06	6.56E-07	3.42E-07	9.98E-07	2.96E-07	1.41E-07	4.37E-07
2030	569705.64	4215368.2	4.42E-06	2.32E-06	6.74E-06	6.76E-07	3.52E-07	1.03E-06	3.05E-07	1.45E-07	4.50E-07
2031	569708.92	4215359.69	4.56E-06	2.39E-06	6.94E-06	6.96E-07	3.63E-07	1.06E-06	3.14E-07	1.49E-07	4.63E-07
2032	569689.27	4215385.11	4.06E-06	2.13E-06	6.19E-06	6.20E-07	3.23E-07	9.44E-07	2.80E-07	1.33E-07	4.13E-07
2033	569692.7	4215376.18	4.14E-06	2.17E-06	6.31E-06	6.32E-07	3.29E-07	9.62E-07	2.85E-07	1.36E-07	4.21E-07
2034	569696.14	4215367.24	4.27E-06	2.24E-06	6.51E-06	6.53E-07	3.40E-07	9.93E-07	2.95E-07	1.40E-07	4.35E-07
2035	569699.58	4215358.3	4.41E-06	2.31E-06	6.72E-06	6.74E-07	3.51E-07	1.03E-06	3.04E-07	1.45E-07	4.49E-07
2036	569703.01	4215349.36	4.55E-06	2.38E-06	6.94E-06	6.95E-07	3.62E-07	1.06E-06	3.14E-07	1.49E-07	4.63E-07
2037	569706.45	4215340.42	4.73E-06	2.48E-06	7.21E-06	7.23E-07	3.77E-07	1.10E-06	3.26E-07	1.55E-07	4.81E-07
2038	569679.24	4215385.52	3.92E-06	2.05E-06	5.97E-06	5.98E-07	3.12E-07	9.10E-07	2.70E-07	1.28E-07	3.98E-07
2039	569682.64	4215376.68	4.01E-06	2.10E-06	6.10E-06	6.12E-07	3.19E-07	9.31E-07	2.76E-07	1.31E-07	4.07E-07
2040	569686.04	4215367.83	4.13E-06	2.16E-06	6.30E-06	6.31E-07	3.29E-07	9.60E-07	2.85E-07	1.35E-07	4.20E-07
2041	569689.44	4215358.99	4.26E-06	2.23E-06	6.49E-06	6.51E-07	3.39E-07	9.90E-07	2.94E-07	1.40E-07	4.33E-07
2042	569692.84	4215350.14	4.38E-06	2.29E-06	6.68E-06	6.70E-07	3.49E-07	1.02E-06	3.02E-07	1.44E-07	4.46E-07
2043	569696.24	4215341.3	4.55E-06	2.38E-06	6.93E-06	6.95E-07	3.62E-07	1.06E-06	3.13E-07	1.49E-07	4.62E-07
2044	569699.64	4215332.45	4.74E-06	2.48E-06	7.22E-06	7.24E-07	3.77E-07	1.10E-06	3.27E-07	1.55E-07	4.82E-07
2045	569703.04	4215323.61	4.92E-06	2.58E-06	7.50E-06	7.52E-07	3.92E-07	1.14E-06	3.39E-07	1.61E-07	5.01E-07
2046	569706.44	4215314.76	5.10E-06	2.67E-06	7.77E-06	7.79E-07	4.06E-07	1.19E-06	3.52E-07	1.67E-07	5.19E-07
2047	569669.21	4215385.91	3.78E-06	1.98E-06	5.76E-06	5.77E-07	3.01E-07	8.78E-07	2.61E-07	1.24E-07	3.84E-07
2048	569672.58	4215377.15	3.88E-06	2.03E-06	5.91E-06	5.92E-07	3.09E-07	9.01E-07	2.67E-07	1.27E-07	3.94E-07
2049	569675.94	4215368.4	4.01E-06	2.10E-06	6.10E-06	6.12E-07	3.19E-07	9.31E-07	2.76E-07	1.31E-07	4.07E-07
2050	569679.31	4215359.64	4.13E-06	2.16E-06	6.30E-06	6.31E-07	3.29E-07	9.60E-07	2.85E-07	1.35E-07	4.20E-07
2051	569682.68	4215350.88	4.26E-06	2.23E-06	6.49E-06	6.50E-07	3.39E-07	9.89E-07	2.93E-07	1.39E-07	4.33E-07
2052	569686.05	4215342.12	4.40E-06	2.30E-06	6.71E-06	6.72E-07	3.50E-07	1.02E-06	3.03E-07	1.44E-07	4.48E-07
2053	569689.41	4215333.36	4.57E-06	2.39E-06	6.97E-06	6.98E-07	3.64E-07	1.06E-06	3.15E-07	1.50E-07	4.65E-07
2054	569692.78	4215324.6	4.75E-06	2.48E-06	7.23E-06	7.25E-07	3.78E-07	1.10E-06	3.27E-07	1.55E-07	4.82E-07
2055	569696.15	4215315.84	4.92E-06	2.57E-06	7.49E-06	7.51E-07	3.91E-07	1.14E-06	3.39E-07	1.61E-07	5.00E-07
2056	569699.52	4215307.08	5.12E-06	2.68E-06	7.81E-06	7.83E-07	4.08E-07	1.19E-06	3.53E-07	1.68E-07	5.21E-07
2057	569702.88	4215298.32	5.33E-06	2.79E-06	8.12E-06	8.14E-07	4.24E-07	1.24E-06	3.68E-07	1.75E-07	5.42E-07
2058	569706.25	4215289.56	5.55E-06	2.90E-06	8.45E-06	8.47E-07	4.41E-07	1.29E-06	3.82E-07	1.82E-07	5.64E-07
2059	569659.18	4215386.3	3.64E-06	1.90E-06	5.55E-06	5.56E-07	2.90E-07	8.46E-07	2.51E-07	1.19E-07	3.70E-07
2060	569662.52	4215377.62	3.75E-06	1.96E-06	5.72E-06	5.73E-07	2.99E-07	8.72E-07	2.59E-07	1.23E-07	3.82E-07
2061	569665.86	4215368.93	3.89E-06	2.03E-06	5.92E-06	5.94E-07	3.09E-07	9.03E-07	2.68E-07	1.27E-07	3.95E-07
2062	569669.2	4215360.25	4.01E-06	2.10E-06	6.11E-06	6.13E-07	3.19E-07	9.32E-07	2.77E-07	1.32E-07	4.08E-07
2063	569672.54	4215351.57	4.14E-06	2.17E-06	6.31E-06	6.32E-07	3.29E-07	9.61E-07	2.85E-07	1.36E-07	4.21E-07
2064	569675.87	4215342.88	4.27E-06	2.24E-06	6.51E-06	6.53E-07	3.40E-07	9.93E-07	2.95E-07	1.40E-07	4.35E-07
2065	569679.21	4215334.2	4.44E-06	2.32E-06	6.76E-06	6.77E-07	3.53E-07	1.03E-06	3.06E-07	1.45E-07	4.51E-07
2066	569682.55	4215325.52	4.60E-06	2.41E-06	7.00E-06	7.02E-07	3.66E-07	1.07E-06	3.17E-07	1.51E-07	4.67E-07
2067	569685.89	4215316.83	4.76E-06	2.49E-06	7.25E-06	7.26E-07	3.79E-07	1.11E-06	3.28E-07	1.56E-07	4.84E-07
2068	569689.23	4215308.15	4.96E-06	2.59E-06	7.55E-06	7.57E-07	3.94E-07	1.15E-06	3.42E-07	1.62E-07	5.04E-07
2069	569692.57	4215299.46	5.16E-06	2.70E-06	7.86E-06	7.88E-07	4.10E-07	1.20E-06	3.55E-07	1.69E-07	5.24E-07
2070	569695.9	4215290.78	5.37E-06	2.81E-06	8.18E-06	8.20E-07	4.27E-07	1.25E-06	3.70E-07	1.76E-07	5.46E-07

2071	569699.24	4215282.1	5.61E-06	2.93E-06	8.54E-06	8.56E-07	4.46E-07	1.30E-06	3.86E-07	1.84E-07	5.70E-07
2072	569702.58	4215273.41	5.90E-06	3.09E-06	8.99E-06	9.01E-07	4.69E-07	1.37E-06	4.07E-07	1.93E-07	6.00E-07
2073	569705.92	4215264.73	6.23E-06	3.26E-06	9.49E-06	9.51E-07	4.96E-07	1.45E-06	4.29E-07	2.04E-07	6.33E-07
2074	569649.16	4215386.68	3.50E-06	1.83E-06	5.33E-06	5.34E-07	2.78E-07	8.13E-07	2.41E-07	1.15E-07	3.56E-07
2075	569652.47	4215378.07	3.62E-06	1.89E-06	5.51E-06	5.52E-07	2.88E-07	8.40E-07	2.49E-07	1.18E-07	3.68E-07
2076	569655.79	4215369.45	3.75E-06	1.96E-06	5.72E-06	5.73E-07	2.99E-07	8.72E-07	2.59E-07	1.23E-07	3.82E-07
2077	569659.1	4215360.84	3.89E-06	2.04E-06	5.93E-06	5.95E-07	3.10E-07	9.05E-07	2.68E-07	1.28E-07	3.96E-07
2078	569662.41	4215352.22	4.02E-06	2.11E-06	6.13E-06	6.15E-07	3.20E-07	9.35E-07	2.77E-07	1.32E-07	4.09E-07
2079	569665.72	4215343.61	4.16E-06	2.17E-06	6.33E-06	6.35E-07	3.31E-07	9.65E-07	2.86E-07	1.36E-07	4.22E-07
2080	569669.03	4215334.99	4.31E-06	2.25E-06	6.56E-06	6.58E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.38E-07
2081	569672.34	4215326.38	4.46E-06	2.33E-06	6.79E-06	6.81E-07	3.55E-07	1.04E-06	3.07E-07	1.46E-07	4.53E-07
2082	569675.66	4215317.76	4.61E-06	2.41E-06	7.02E-06	7.04E-07	3.67E-07	1.07E-06	3.18E-07	1.51E-07	4.69E-07
2083	569678.97	4215309.15	4.81E-06	2.51E-06	7.32E-06	7.34E-07	3.82E-07	1.12E-06	3.31E-07	1.57E-07	4.89E-07
2084	569682.28	4215300.53	5.01E-06	2.62E-06	7.64E-06	7.66E-07	3.99E-07	1.16E-06	3.46E-07	1.64E-07	5.10E-07
2085	569685.59	4215291.92	5.23E-06	2.73E-06	7.96E-06	7.98E-07	4.16E-07	1.21E-06	3.60E-07	1.71E-07	5.31E-07
2086	569688.9	4215283.3	5.45E-06	2.85E-06	8.30E-06	8.32E-07	4.34E-07	1.27E-06	3.76E-07	1.79E-07	5.54E-07
2087	569692.21	4215274.69	5.72E-06	2.99E-06	8.71E-06	8.73E-07	4.55E-07	1.33E-06	3.94E-07	1.87E-07	5.81E-07
2088	569695.53	4215266.07	6.03E-06	3.15E-06	9.18E-06	9.21E-07	4.80E-07	1.40E-06	4.16E-07	1.98E-07	6.13E-07
2089	569698.84	4215257.46	6.39E-06	3.34E-06	9.73E-06	9.76E-07	5.08E-07	1.48E-06	4.40E-07	2.09E-07	6.50E-07
2090	569702.15	4215248.84	6.77E-06	3.54E-06	1.03E-05	1.03E-06	5.39E-07	1.57E-06	4.67E-07	2.22E-07	6.89E-07
2091	569705.46	4215240.23	7.21E-06	3.77E-06	1.10E-05	1.10E-06	5.74E-07	1.67E-06	4.97E-07	2.36E-07	7.33E-07
2092	569639.3	4215386.65	3.37E-06	1.76E-06	5.14E-06	5.15E-07	2.68E-07	7.84E-07	2.32E-07	1.11E-07	3.43E-07
2093	569642.74	4215377.69	3.50E-06	1.83E-06	5.33E-06	5.34E-07	2.78E-07	8.12E-07	2.41E-07	1.15E-07	3.56E-07
2094	569646.19	4215368.73	3.65E-06	1.91E-06	5.55E-06	5.57E-07	2.90E-07	8.47E-07	2.51E-07	1.19E-07	3.71E-07
2095	569649.63	4215359.77	3.80E-06	1.99E-06	5.78E-06	5.80E-07	3.02E-07	8.82E-07	2.62E-07	1.24E-07	3.86E-07
2096	569653.08	4215350.81	3.94E-06	2.06E-06	5.99E-06	6.01E-07	3.13E-07	9.14E-07	2.71E-07	1.29E-07	4.00E-07
2097	569656.52	4215341.85	4.08E-06	2.14E-06	6.22E-06	6.23E-07	3.25E-07	9.48E-07	2.81E-07	1.34E-07	4.15E-07
2098	569659.96	4215332.89	4.24E-06	2.22E-06	6.46E-06	6.48E-07	3.37E-07	9.85E-07	2.92E-07	1.39E-07	4.31E-07
2099	569663.41	4215323.93	4.39E-06	2.30E-06	6.68E-06	6.70E-07	3.49E-07	1.02E-06	3.02E-07	1.44E-07	4.46E-07
2100	569666.85	4215314.97	4.54E-06	2.38E-06	6.92E-06	6.94E-07	3.62E-07	1.06E-06	3.13E-07	1.49E-07	4.62E-07
2101	569670.3	4215306.01	4.76E-06	2.49E-06	7.26E-06	7.28E-07	3.79E-07	1.11E-06	3.28E-07	1.56E-07	4.84E-07
2102	569673.74	4215297.05	5.00E-06	2.61E-06	7.61E-06	7.63E-07	3.97E-07	1.16E-06	3.44E-07	1.64E-07	5.08E-07
2103	569677.19	4215288.09	5.23E-06	2.74E-06	7.97E-06	7.99E-07	4.16E-07	1.22E-06	3.61E-07	1.71E-07	5.32E-07
2104	569680.63	4215279.13	5.48E-06	2.87E-06	8.35E-06	8.37E-07	4.36E-07	1.27E-06	3.78E-07	1.80E-07	5.57E-07
2105	569684.07	4215270.17	5.77E-06	3.02E-06	8.78E-06	8.81E-07	4.59E-07	1.34E-06	3.97E-07	1.89E-07	5.86E-07
2106	569687.52	4215261.21	6.10E-06	3.19E-06	9.29E-06	9.31E-07	4.85E-07	1.42E-06	4.20E-07	2.00E-07	6.20E-07
2107	569690.96	4215252.26	6.46E-06	3.38E-06	9.85E-06	9.87E-07	5.14E-07	1.50E-06	4.45E-07	2.12E-07	6.57E-07
2108	569694.41	4215243.3	6.87E-06	3.60E-06	1.05E-05	1.05E-06	5.47E-07	1.60E-06	4.74E-07	2.25E-07	6.99E-07
2109	569697.85	4215234.34	7.33E-06	3.83E-06	1.12E-05	1.12E-06	5.83E-07	1.70E-06	5.05E-07	2.40E-07	7.45E-07
2110	569701.29	4215225.38	7.79E-06	4.07E-06	1.19E-05	1.19E-06	6.20E-07	1.81E-06	5.37E-07	2.55E-07	7.92E-07
2111	569704.74	4215216.42	7.86E-06	4.11E-06	1.20E-05	1.20E-06	6.26E-07	1.83E-06	5.42E-07	2.58E-07	7.99E-07
2112	569629.27	4215387.04	3.25E-06	1.70E-06	4.96E-06	4.97E-07	2.59E-07	7.56E-07	2.24E-07	1.07E-07	3.31E-07
2113	569632.69	4215378.16	3.38E-06	1.77E-06	5.14E-06	5.15E-07	2.69E-07	7.84E-07	2.33E-07	1.11E-07	3.43E-07
2114	569636.1	4215369.27	3.52E-06	1.84E-06	5.36E-06	5.38E-07	2.80E-07	8.18E-07	2.43E-07	1.15E-07	3.58E-07
2115	569639.52	4215360.39	3.67E-06	1.92E-06	5.59E-06	5.61E-07	2.92E-07	8.53E-07	2.53E-07	1.20E-07	3.73E-07
2116	569642.93	4215351.51	3.82E-06	2.00E-06	5.81E-06	5.83E-07	3.04E-07	8.87E-07	2.63E-07	1.25E-07	3.88E-07
2117	569646.34	4215342.63	3.97E-06	2.08E-06	6.05E-06	6.06E-07	3.16E-07	9.22E-07	2.73E-07	1.30E-07	4.04E-07
2118	569649.76	4215333.75	4.13E-06	2.16E-06	6.29E-06	6.31E-07	3.29E-07	9.59E-07	2.85E-07	1.35E-07	4.20E-07
2119	569653.17	4215324.87	4.29E-06	2.24E-06	6.53E-06	6.54E-07	3.41E-07	9.95E-07	2.95E-07	1.40E-07	4.36E-07
2120	569656.59	4215315.99	4.43E-06	2.32E-06	6.75E-06	6.76E-07	3.53E-07	1.03E-06	3.05E-07	1.45E-07	4.50E-07
2121	569660	4215307.11	4.64E-06	2.43E-06	7.07E-06	7.08E-07	3.69E-07	1.08E-06	3.20E-07	1.52E-07	4.72E-07
2122	569663.41	4215298.22	4.87E-06	2.55E-06	7.41E-06	7.43E-07	3.87E-07	1.13E-06	3.35E-07	1.59E-07	4.95E-07
2123	569666.83	4215289.34	5.12E-06	2.68E-06	7.79E-06	7.81E-07	4.07E-07	1.19E-06	3.53E-07	1.68E-07	5.20E-07
2124	569670.24	4215280.46	5.36E-06	2.81E-06	8.17E-06	8.19E-07	4.27E-07	1.25E-06	3.69E-07	1.76E-07	5.45E-07
2125	569673.66	4215271.58	5.62E-06	2.94E-06	8.56E-06	8.59E-07	4.47E-07	1.31E-06	3.87E-07	1.84E-07	5.72E-07
2126	569677.07	4215262.7	5.92E-06	3.10E-06	9.02E-06	9.04E-07	4.71E-07	1.38E-06	4.08E-07	1.94E-07	6.02E-07
2127	569680.49	4215253.82	6.25E-06	3.27E-06	9.53E-06	9.55E-07	4.98E-07	1.45E-06	4.31E-07	2.05E-07	6.36E-07
2128	569683.9	4215244.94	6.60E-06	3.45E-06	1.00E-05	1.01E-06	5.25E-07	1.53E-06	4.55E-07	2.16E-07	6.71E-07
2129	569687.31	4215236.06	7.00E-06	3.66E-06	1.07E-05	1.07E-06	5.57E-07	1.63E-06	4.82E-07	2.29E-07	7.12E-07
2130	569690.73	4215227.18	7.47E-06	3.91E-06	1.14E-05	1.14E-06	5.94E-07	1.73E-06	5.14E-07	2.45E-07	7.59E-07
2131	569694.14	4215218.29	7.57E-06	3.96E-06	1.15E-05	1.16E-06	6.02E-07	1.76E-06	5.21E-07	2.48E-07	7.69E-07

2132	569697.56	4215209.41	7.61E-06	3.98E-06	1.16E-05	1.16E-06	6.05E-07	1.77E-06	5.24E-07	2.49E-07	7.74E-07
2133	569625.86	4215395.92	3.13E-06	1.64E-06	4.77E-06	4.78E-07	2.49E-07	7.27E-07	2.16E-07	1.03E-07	3.18E-07
2134	569619.25	4215387.42	3.15E-06	1.65E-06	4.79E-06	4.80E-07	2.50E-07	7.31E-07	2.17E-07	1.03E-07	3.20E-07
2135	569622.64	4215378.61	3.27E-06	1.71E-06	4.98E-06	4.99E-07	2.60E-07	7.59E-07	2.25E-07	1.07E-07	3.32E-07
2136	569626.02	4215369.8	3.41E-06	1.78E-06	5.19E-06	5.20E-07	2.71E-07	7.91E-07	2.35E-07	1.12E-07	3.46E-07
2137	569629.41	4215360.99	3.56E-06	1.86E-06	5.42E-06	5.43E-07	2.83E-07	8.26E-07	2.45E-07	1.16E-07	3.62E-07
2138	569632.8	4215352.18	3.71E-06	1.94E-06	5.64E-06	5.66E-07	2.95E-07	8.61E-07	2.55E-07	1.21E-07	3.77E-07
2139	569636.18	4215343.37	3.86E-06	2.02E-06	5.88E-06	5.89E-07	3.07E-07	8.96E-07	2.66E-07	1.26E-07	3.92E-07
2140	569639.57	4215334.56	4.03E-06	2.11E-06	6.13E-06	6.15E-07	3.20E-07	9.35E-07	2.78E-07	1.32E-07	4.09E-07
2141	569642.96	4215325.75	4.19E-06	2.19E-06	6.38E-06	6.40E-07	3.33E-07	9.73E-07	2.89E-07	1.37E-07	4.26E-07
2142	569646.34	4215316.94	4.35E-06	2.27E-06	6.62E-06	6.64E-07	3.46E-07	1.01E-06	2.99E-07	1.42E-07	4.42E-07
2143	569649.73	4215308.13	4.55E-06	2.38E-06	6.93E-06	6.94E-07	3.62E-07	1.06E-06	3.13E-07	1.49E-07	4.62E-07
2144	569653.12	4215299.32	4.77E-06	2.50E-06	7.27E-06	7.28E-07	3.80E-07	1.11E-06	3.29E-07	1.56E-07	4.85E-07
2145	569656.5	4215290.51	5.01E-06	2.62E-06	7.64E-06	7.65E-07	3.99E-07	1.16E-06	3.45E-07	1.64E-07	5.10E-07
2146	569659.89	4215281.7	5.25E-06	2.75E-06	8.00E-06	8.02E-07	4.18E-07	1.22E-06	3.62E-07	1.72E-07	5.34E-07
2147	569663.28	4215272.89	5.49E-06	2.87E-06	8.37E-06	8.39E-07	4.37E-07	1.28E-06	3.79E-07	1.80E-07	5.59E-07
2148	569666.66	4215264.08	5.77E-06	3.02E-06	8.78E-06	8.80E-07	4.59E-07	1.34E-06	3.97E-07	1.89E-07	5.86E-07
2149	569670.05	4215255.27	6.07E-06	3.17E-06	9.24E-06	9.27E-07	4.83E-07	1.41E-06	4.18E-07	1.99E-07	6.17E-07
2150	569673.44	4215246.46	6.35E-06	3.32E-06	9.68E-06	9.70E-07	5.06E-07	1.48E-06	4.38E-07	2.08E-07	6.46E-07
2151	569676.82	4215237.65	6.68E-06	3.50E-06	1.02E-05	1.02E-06	5.32E-07	1.55E-06	4.61E-07	2.19E-07	6.80E-07
2152	569680.21	4215228.84	7.07E-06	3.70E-06	1.08E-05	1.08E-06	5.62E-07	1.64E-06	4.87E-07	2.32E-07	7.19E-07
2153	569683.6	4215220.03	7.20E-06	3.76E-06	1.10E-05	1.10E-06	5.73E-07	1.67E-06	4.96E-07	2.36E-07	7.32E-07
2154	569686.98	4215211.23	7.22E-06	3.78E-06	1.10E-05	1.10E-06	5.75E-07	1.68E-06	4.98E-07	2.37E-07	7.34E-07
2155	569690.37	4215202.42	7.27E-06	3.80E-06	1.11E-05	1.11E-06	5.78E-07	1.69E-06	5.01E-07	2.38E-07	7.39E-07
2156	569615.87	4215396.23	3.02E-06	1.58E-06	4.61E-06	4.62E-07	2.41E-07	7.03E-07	2.08E-07	9.91E-08	3.07E-07
2157	569616.17	4215405.88	2.93E-06	1.53E-06	4.47E-06	4.48E-07	2.33E-07	6.81E-07	2.02E-07	9.60E-08	2.98E-07
2158	569616.47	4215415.53	2.85E-06	1.49E-06	4.34E-06	4.36E-07	2.27E-07	6.63E-07	1.97E-07	9.34E-08	2.90E-07
2159	569609.23	4215387.79	3.04E-06	1.59E-06	4.64E-06	4.65E-07	2.42E-07	7.07E-07	2.10E-07	9.97E-08	3.10E-07
2160	569612.59	4215379.05	3.16E-06	1.66E-06	4.82E-06	4.83E-07	2.52E-07	7.35E-07	2.18E-07	1.04E-07	3.22E-07
2161	569615.95	4215370.31	3.30E-06	1.73E-06	5.03E-06	5.04E-07	2.63E-07	7.66E-07	2.27E-07	1.08E-07	3.35E-07
2162	569619.32	4215361.56	3.45E-06	1.80E-06	5.25E-06	5.26E-07	2.74E-07	8.00E-07	2.37E-07	1.13E-07	3.50E-07
2163	569622.68	4215352.82	3.59E-06	1.88E-06	5.47E-06	5.48E-07	2.86E-07	8.34E-07	2.48E-07	1.18E-07	3.65E-07
2164	569626.04	4215344.07	3.74E-06	1.96E-06	5.70E-06	5.72E-07	2.98E-07	8.70E-07	2.58E-07	1.23E-07	3.81E-07
2165	569629.4	4215335.33	3.92E-06	2.05E-06	5.97E-06	5.99E-07	3.12E-07	9.11E-07	2.70E-07	1.28E-07	3.99E-07
2166	569632.76	4215326.59	4.10E-06	2.15E-06	6.25E-06	6.26E-07	3.26E-07	9.52E-07	2.83E-07	1.34E-07	4.17E-07
2167	569636.12	4215317.84	4.27E-06	2.23E-06	6.51E-06	6.52E-07	3.40E-07	9.92E-07	2.94E-07	1.40E-07	4.34E-07
2168	569639.48	4215309.1	4.47E-06	2.34E-06	6.80E-06	6.82E-07	3.56E-07	1.04E-06	3.08E-07	1.46E-07	4.54E-07
2169	569642.84	4215300.35	4.69E-06	2.45E-06	7.14E-06	7.16E-07	3.73E-07	1.09E-06	3.23E-07	1.54E-07	4.76E-07
2170	569646.21	4215291.61	4.92E-06	2.58E-06	7.50E-06	7.52E-07	3.92E-07	1.14E-06	3.39E-07	1.61E-07	5.01E-07
2171	569649.57	4215282.87	5.16E-06	2.70E-06	7.86E-06	7.88E-07	4.11E-07	1.20E-06	3.56E-07	1.69E-07	5.25E-07
2172	569652.93	4215274.12	5.38E-06	2.82E-06	8.20E-06	8.22E-07	4.28E-07	1.25E-06	3.71E-07	1.76E-07	5.47E-07
2173	569656.29	4215265.38	5.62E-06	2.94E-06	8.57E-06	8.59E-07	4.48E-07	1.31E-06	3.88E-07	1.84E-07	5.72E-07
2174	569659.65	4215256.63	5.90E-06	3.09E-06	8.99E-06	9.01E-07	4.70E-07	1.37E-06	4.07E-07	1.93E-07	6.00E-07
2175	569663.01	4215247.89	6.14E-06	3.21E-06	9.35E-06	9.37E-07	4.88E-07	1.43E-06	4.23E-07	2.01E-07	6.24E-07
2176	569666.37	4215239.14	6.41E-06	3.35E-06	9.76E-06	9.78E-07	5.10E-07	1.49E-06	4.42E-07	2.10E-07	6.51E-07
2177	569669.74	4215230.4	6.72E-06	3.52E-06	1.02E-05	1.03E-06	5.35E-07	1.56E-06	4.63E-07	2.20E-07	6.83E-07
2178	569673.1	4215221.66	6.86E-06	3.59E-06	1.05E-05	1.05E-06	5.46E-07	1.59E-06	4.73E-07	2.25E-07	6.98E-07
2179	569676.46	4215212.91	6.84E-06	3.58E-06	1.04E-05	1.04E-06	5.44E-07	1.59E-06	4.71E-07	2.24E-07	6.95E-07
2180	569679.82	4215204.17	6.83E-06	3.57E-06	1.04E-05	1.04E-06	5.43E-07	1.59E-06	4.71E-07	2.24E-07	6.94E-07
2181	569683.18	4215195.42	6.83E-06	3.57E-06	1.04E-05	1.04E-06	5.44E-07	1.59E-06	4.71E-07	2.24E-07	6.94E-07
2182	569695.14	4215182.97	6.85E-06	3.58E-06	1.04E-05	1.05E-06	5.45E-07	1.59E-06	4.72E-07	2.24E-07	6.96E-07
2183	569605.87	4215396.54	2.92E-06	1.53E-06	4.45E-06	4.47E-07	2.33E-07	6.79E-07	2.02E-07	9.58E-08	2.97E-07
2184	569606.17	4215406.19	2.83E-06	1.48E-06	4.31E-06	4.32E-07	2.25E-07	6.58E-07	1.95E-07	9.27E-08	2.88E-07
2185	569606.47	4215415.84	2.76E-06	1.44E-06	4.20E-06	4.21E-07	2.20E-07	6.41E-07	1.90E-07	9.04E-08	2.81E-07
2186	569606.77	4215425.5	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.25E-07	1.85E-07	8.81E-08	2.73E-07
2187	569599.21	4215388.17	2.95E-06	1.54E-06	4.49E-06	4.50E-07	2.35E-07	6.85E-07	2.03E-07	9.66E-08	3.00E-07
2188	569602.55	4215379.48	3.07E-06	1.60E-06	4.67E-06	4.68E-07	2.44E-07	7.12E-07	2.11E-07	1.00E-07	3.12E-07
2189	569605.89	4215370.8	3.20E-06	1.67E-06	4.87E-06	4.88E-07	2.54E-07	7.43E-07	2.20E-07	1.05E-07	3.25E-07
2190	569609.23	4215362.11	3.34E-06	1.75E-06	5.09E-06	5.10E-07	2.66E-07	7.76E-07	2.30E-07	1.09E-07	3.39E-07
2191	569612.57	4215353.43	3.48E-06	1.82E-06	5.31E-06	5.32E-07	2.77E-07	8.09E-07	2.40E-07	1.14E-07	3.54E-07
2192	569615.9	4215344.75	3.63E-06	1.90E-06	5.53E-06	5.55E-07	2.89E-07	8.44E-07	2.50E-07	1.19E-07	3.69E-07

2193	569619.24	4215336.06	3.81E-06	1.99E-06	5.80E-06	5.82E-07	3.03E-07	8.85E-07	2.63E-07	1.25E-07	3.87E-07
2194	569622.58	4215327.38	3.99E-06	2.09E-06	6.08E-06	6.10E-07	3.18E-07	9.27E-07	2.75E-07	1.31E-07	4.06E-07
2195	569625.92	4215318.7	4.18E-06	2.19E-06	6.36E-06	6.38E-07	3.32E-07	9.70E-07	2.88E-07	1.37E-07	4.25E-07
2196	569629.26	4215310.01	4.38E-06	2.29E-06	6.67E-06	6.69E-07	3.49E-07	1.02E-06	3.02E-07	1.43E-07	4.45E-07
2197	569632.59	4215301.33	4.61E-06	2.41E-06	7.02E-06	7.04E-07	3.67E-07	1.07E-06	3.18E-07	1.51E-07	4.68E-07
2198	569635.93	4215292.64	4.84E-06	2.53E-06	7.38E-06	7.40E-07	3.86E-07	1.13E-06	3.34E-07	1.59E-07	4.93E-07
2199	569639.27	4215283.96	5.08E-06	2.66E-06	7.74E-06	7.76E-07	4.04E-07	1.18E-06	3.50E-07	1.66E-07	5.16E-07
2200	569642.61	4215275.28	5.28E-06	2.76E-06	8.04E-06	8.06E-07	4.20E-07	1.23E-06	3.64E-07	1.73E-07	5.37E-07
2201	569645.95	4215266.59	5.50E-06	2.88E-06	8.37E-06	8.39E-07	4.37E-07	1.28E-06	3.79E-07	1.80E-07	5.59E-07
2202	569649.29	4215257.91	5.74E-06	3.00E-06	8.75E-06	8.77E-07	4.57E-07	1.33E-06	3.96E-07	1.88E-07	5.84E-07
2203	569652.62	4215249.22	5.92E-06	3.10E-06	9.02E-06	9.05E-07	4.71E-07	1.38E-06	4.08E-07	1.94E-07	6.02E-07
2204	569655.96	4215240.54	6.13E-06	3.21E-06	9.33E-06	9.36E-07	4.88E-07	1.42E-06	4.22E-07	2.01E-07	6.23E-07
2205	569659.3	4215231.86	6.38E-06	3.34E-06	9.72E-06	9.74E-07	5.08E-07	1.48E-06	4.40E-07	2.09E-07	6.49E-07
2206	569662.64	4215223.17	6.56E-06	3.43E-06	9.99E-06	1.00E-06	5.22E-07	1.52E-06	4.52E-07	2.15E-07	6.67E-07
2207	569665.98	4215214.49	6.50E-06	3.40E-06	9.89E-06	9.92E-07	5.17E-07	1.51E-06	4.48E-07	2.13E-07	6.60E-07
2208	569669.31	4215205.81	6.44E-06	3.37E-06	9.82E-06	9.84E-07	5.13E-07	1.50E-06	4.44E-07	2.11E-07	6.55E-07
2209	569672.65	4215197.12	6.41E-06	3.36E-06	9.77E-06	9.79E-07	5.10E-07	1.49E-06	4.42E-07	2.10E-07	6.52E-07
2210	569675.99	4215188.44	6.32E-06	3.30E-06	9.62E-06	9.64E-07	5.03E-07	1.47E-06	4.35E-07	2.07E-07	6.42E-07
2211	569687.87	4215176.07	6.33E-06	3.31E-06	9.64E-06	9.67E-07	5.04E-07	1.47E-06	4.36E-07	2.07E-07	6.44E-07
2212	569595.87	4215396.85	2.83E-06	1.48E-06	4.32E-06	4.33E-07	2.25E-07	6.58E-07	1.95E-07	9.28E-08	2.88E-07
2213	569596.17	4215406.5	2.74E-06	1.43E-06	4.18E-06	4.19E-07	2.18E-07	6.37E-07	1.89E-07	8.98E-08	2.79E-07
2214	569596.47	4215416.15	2.68E-06	1.40E-06	4.08E-06	4.09E-07	2.13E-07	6.21E-07	1.84E-07	8.76E-08	2.72E-07
2215	569596.77	4215425.81	2.61E-06	1.37E-06	3.97E-06	3.98E-07	2.08E-07	6.06E-07	1.80E-07	8.55E-08	2.65E-07
2216	569597.07	4215435.46	2.54E-06	1.33E-06	3.88E-06	3.89E-07	2.03E-07	5.91E-07	1.75E-07	8.34E-08	2.59E-07
2217	569589.33	4215388.19	2.86E-06	1.50E-06	4.36E-06	4.37E-07	2.28E-07	6.65E-07	1.97E-07	9.38E-08	2.91E-07
2218	569592.78	4215379.21	2.98E-06	1.56E-06	4.54E-06	4.55E-07	2.37E-07	6.93E-07	2.06E-07	9.77E-08	3.03E-07
2219	569596.23	4215370.24	3.12E-06	1.63E-06	4.75E-06	4.76E-07	2.48E-07	7.24E-07	2.15E-07	1.02E-07	3.17E-07
2220	569599.68	4215361.27	3.26E-06	1.71E-06	4.97E-06	4.98E-07	2.59E-07	7.57E-07	2.25E-07	1.07E-07	3.31E-07
2221	569603.13	4215352.29	3.41E-06	1.78E-06	5.19E-06	5.20E-07	2.71E-07	7.92E-07	2.35E-07	1.12E-07	3.47E-07
2222	569606.58	4215343.32	3.57E-06	1.87E-06	5.43E-06	5.45E-07	2.84E-07	8.29E-07	2.46E-07	1.17E-07	3.63E-07
2223	569610.03	4215334.35	3.75E-06	1.96E-06	5.72E-06	5.73E-07	2.99E-07	8.72E-07	2.59E-07	1.23E-07	3.82E-07
2224	569613.48	4215325.37	3.95E-06	2.07E-06	6.01E-06	6.03E-07	3.14E-07	9.17E-07	2.72E-07	1.29E-07	4.01E-07
2225	569616.92	4215316.4	4.15E-06	2.17E-06	6.32E-06	6.33E-07	3.30E-07	9.63E-07	2.86E-07	1.36E-07	4.22E-07
2226	569620.37	4215307.43	4.36E-06	2.28E-06	6.64E-06	6.66E-07	3.47E-07	1.01E-06	3.01E-07	1.43E-07	4.44E-07
2227	569623.82	4215298.45	4.60E-06	2.40E-06	7.00E-06	7.02E-07	3.66E-07	1.07E-06	3.17E-07	1.51E-07	4.67E-07
2228	569627.27	4215289.48	4.85E-06	2.54E-06	7.39E-06	7.41E-07	3.86E-07	1.13E-06	3.34E-07	1.59E-07	4.93E-07
2229	569630.72	4215280.51	5.07E-06	2.65E-06	7.72E-06	7.74E-07	4.04E-07	1.18E-06	3.49E-07	1.66E-07	5.16E-07
2230	569634.17	4215271.53	5.29E-06	2.77E-06	8.06E-06	8.08E-07	4.21E-07	1.23E-06	3.65E-07	1.73E-07	5.38E-07
2231	569637.62	4215262.56	5.51E-06	2.88E-06	8.39E-06	8.41E-07	4.38E-07	1.28E-06	3.80E-07	1.80E-07	5.60E-07
2232	569641.07	4215253.59	5.70E-06	2.98E-06	8.69E-06	8.71E-07	4.54E-07	1.33E-06	3.93E-07	1.87E-07	5.80E-07
2233	569644.52	4215244.61	5.83E-06	3.05E-06	8.87E-06	8.90E-07	4.64E-07	1.35E-06	4.02E-07	1.91E-07	5.92E-07
2234	569647.97	4215235.64	5.99E-06	3.13E-06	9.12E-06	9.15E-07	4.77E-07	1.39E-06	4.13E-07	1.96E-07	6.09E-07
2235	569651.42	4215226.67	6.20E-06	3.24E-06	9.44E-06	9.47E-07	4.93E-07	1.44E-06	4.27E-07	2.03E-07	6.30E-07
2236	569654.87	4215217.69	6.20E-06	3.24E-06	9.44E-06	9.47E-07	4.93E-07	1.44E-06	4.27E-07	2.03E-07	6.30E-07
2237	569658.32	4215208.72	6.15E-06	3.22E-06	9.37E-06	9.39E-07	4.90E-07	1.43E-06	4.24E-07	2.02E-07	6.25E-07
2238	569661.77	4215199.75	6.07E-06	3.18E-06	9.25E-06	9.27E-07	4.83E-07	1.41E-06	4.18E-07	1.99E-07	6.17E-07
2239	569665.22	4215190.77	5.99E-06	3.13E-06	9.12E-06	9.14E-07	4.76E-07	1.39E-06	4.13E-07	1.96E-07	6.09E-07
2240	569668.67	4215181.8	5.91E-06	3.09E-06	9.00E-06	9.02E-07	4.70E-07	1.37E-06	4.07E-07	1.93E-07	6.00E-07
2241	569680.94	4215169.02	5.92E-06	3.10E-06	9.02E-06	9.04E-07	4.71E-07	1.38E-06	4.08E-07	1.94E-07	6.02E-07
2242	569585.88	4215397.16	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.38E-07	1.89E-07	9.00E-08	2.79E-07
2243	569586.18	4215406.81	2.66E-06	1.39E-06	4.05E-06	4.06E-07	2.12E-07	6.18E-07	1.83E-07	8.72E-08	2.71E-07
2244	569586.48	4215416.47	2.60E-06	1.36E-06	3.95E-06	3.96E-07	2.07E-07	6.03E-07	1.79E-07	8.50E-08	2.64E-07
2245	569586.78	4215426.12	2.53E-06	1.33E-06	3.86E-06	3.87E-07	2.02E-07	5.88E-07	1.75E-07	8.30E-08	2.58E-07
2246	569587.08	4215435.77	2.47E-06	1.29E-06	3.76E-06	3.77E-07	1.97E-07	5.74E-07	1.70E-07	8.09E-08	2.51E-07
2247	569918.17	4215544.25	4.19E-06	2.19E-06	6.38E-06	6.40E-07	3.33E-07	9.73E-07	2.89E-07	1.37E-07	4.26E-07
2248	569927.49	4215542.57	4.26E-06	2.23E-06	6.50E-06	6.51E-07	3.39E-07	9.91E-07	2.94E-07	1.40E-07	4.34E-07
2249	569936.8	4215540.89	4.34E-06	2.27E-06	6.62E-06	6.63E-07	3.46E-07	1.01E-06	2.99E-07	1.42E-07	4.42E-07
2250	569946.12	4215539.22	4.43E-06	2.32E-06	6.74E-06	6.76E-07	3.52E-07	1.03E-06	3.05E-07	1.45E-07	4.50E-07
2251	569955.43	4215537.54	4.52E-06	2.37E-06	6.89E-06	6.91E-07	3.60E-07	1.05E-06	3.12E-07	1.48E-07	4.60E-07
2252	569964.75	4215535.87	4.63E-06	2.42E-06	7.05E-06	7.07E-07	3.68E-07	1.07E-06	3.19E-07	1.52E-07	4.70E-07
2253	569974.06	4215534.19	4.75E-06	2.48E-06	7.23E-06	7.25E-07	3.78E-07	1.10E-06	3.27E-07	1.55E-07	4.83E-07

2254	569983.38	4215532.52	4.88E-06	2.55E-06	7.43E-06	7.45E-07	3.88E-07	1.13E-06	3.36E-07	1.60E-07	4.96E-07
2255	569992.69	4215530.84	5.02E-06	2.63E-06	7.65E-06	7.67E-07	4.00E-07	1.17E-06	3.46E-07	1.65E-07	5.11E-07
2256	570002.01	4215529.17	5.18E-06	2.71E-06	7.88E-06	7.90E-07	4.12E-07	1.20E-06	3.57E-07	1.70E-07	5.26E-07
2257	570011.32	4215527.49	5.33E-06	2.79E-06	8.12E-06	8.14E-07	4.24E-07	1.24E-06	3.68E-07	1.75E-07	5.42E-07
2258	570020.64	4215525.82	5.49E-06	2.87E-06	8.36E-06	8.38E-07	4.37E-07	1.28E-06	3.78E-07	1.80E-07	5.58E-07
2259	569911.2	4215551.84	3.92E-06	2.05E-06	5.98E-06	5.99E-07	3.12E-07	9.11E-07	2.70E-07	1.29E-07	3.99E-07
2260	569902.47	4215549.6	3.99E-06	2.09E-06	6.08E-06	6.09E-07	3.18E-07	9.27E-07	2.75E-07	1.31E-07	4.06E-07
2261	569929.26	4215552.41	3.92E-06	2.05E-06	5.97E-06	5.98E-07	3.12E-07	9.10E-07	2.70E-07	1.28E-07	3.98E-07
2262	569938.57	4215550.74	3.98E-06	2.08E-06	6.06E-06	6.08E-07	3.17E-07	9.25E-07	2.74E-07	1.30E-07	4.05E-07
2263	569947.89	4215549.06	4.05E-06	2.12E-06	6.17E-06	6.19E-07	3.22E-07	9.41E-07	2.79E-07	1.33E-07	4.12E-07
2264	569957.2	4215547.39	4.13E-06	2.16E-06	6.29E-06	6.30E-07	3.28E-07	9.59E-07	2.84E-07	1.35E-07	4.20E-07
2265	569966.52	4215545.71	4.21E-06	2.20E-06	6.42E-06	6.43E-07	3.35E-07	9.78E-07	2.90E-07	1.38E-07	4.28E-07
2266	569975.83	4215544.04	4.31E-06	2.25E-06	6.56E-06	6.58E-07	3.43E-07	1.00E-06	2.97E-07	1.41E-07	4.38E-07
2267	569985.15	4215542.36	4.41E-06	2.31E-06	6.72E-06	6.74E-07	3.51E-07	1.03E-06	3.04E-07	1.45E-07	4.49E-07
2268	569994.46	4215540.68	4.53E-06	2.37E-06	6.90E-06	6.92E-07	3.61E-07	1.05E-06	3.12E-07	1.48E-07	4.61E-07
2269	570003.78	4215539.01	4.66E-06	2.44E-06	7.09E-06	7.11E-07	3.70E-07	1.08E-06	3.21E-07	1.53E-07	4.73E-07
2270	570013.09	4215537.33	4.78E-06	2.50E-06	7.28E-06	7.30E-07	3.81E-07	1.11E-06	3.30E-07	1.57E-07	4.86E-07
2271	570022.41	4215535.66	4.91E-06	2.57E-06	7.47E-06	7.49E-07	3.90E-07	1.14E-06	3.38E-07	1.61E-07	4.99E-07
2272	569913.03	4215561.7	3.62E-06	1.89E-06	5.51E-06	5.53E-07	2.88E-07	8.40E-07	2.49E-07	1.19E-07	3.68E-07
2273	569895.65	4215557.24	3.74E-06	1.96E-06	5.70E-06	5.72E-07	2.98E-07	8.70E-07	2.58E-07	1.23E-07	3.81E-07
2274	569878.28	4215552.77	3.87E-06	2.02E-06	5.89E-06	5.90E-07	3.08E-07	8.98E-07	2.66E-07	1.27E-07	3.93E-07
2275	569921.71	4215563.93	3.55E-06	1.86E-06	5.41E-06	5.43E-07	2.83E-07	8.26E-07	2.45E-07	1.16E-07	3.61E-07
2276	569931.03	4215562.25	3.61E-06	1.89E-06	5.49E-06	5.51E-07	2.87E-07	8.38E-07	2.48E-07	1.18E-07	3.67E-07
2277	569940.34	4215560.58	3.66E-06	1.91E-06	5.57E-06	5.59E-07	2.91E-07	8.50E-07	2.52E-07	1.20E-07	3.72E-07
2278	569949.66	4215558.9	3.72E-06	1.94E-06	5.66E-06	5.68E-07	2.96E-07	8.63E-07	2.56E-07	1.22E-07	3.78E-07
2279	569958.97	4215557.23	3.78E-06	1.98E-06	5.76E-06	5.77E-07	3.01E-07	8.78E-07	2.61E-07	1.24E-07	3.84E-07
2280	569968.29	4215555.55	3.85E-06	2.01E-06	5.87E-06	5.88E-07	3.06E-07	8.94E-07	2.65E-07	1.26E-07	3.92E-07
2281	569977.6	4215553.88	3.93E-06	2.06E-06	5.98E-06	6.00E-07	3.13E-07	9.13E-07	2.71E-07	1.29E-07	3.99E-07
2282	569986.92	4215552.2	4.02E-06	2.10E-06	6.12E-06	6.13E-07	3.20E-07	9.33E-07	2.77E-07	1.32E-07	4.08E-07
2283	569996.23	4215550.53	4.11E-06	2.15E-06	6.25E-06	6.27E-07	3.27E-07	9.54E-07	2.83E-07	1.35E-07	4.17E-07
2284	570005.55	4215548.85	4.20E-06	2.20E-06	6.40E-06	6.42E-07	3.34E-07	9.76E-07	2.90E-07	1.38E-07	4.27E-07
2285	570014.86	4215547.18	4.30E-06	2.25E-06	6.55E-06	6.57E-07	3.42E-07	9.99E-07	2.96E-07	1.41E-07	4.37E-07
2286	570024.18	4215545.5	4.41E-06	2.30E-06	6.71E-06	6.73E-07	3.51E-07	1.02E-06	3.04E-07	1.44E-07	4.48E-07
2287	570033.49	4215543.83	4.49E-06	2.35E-06	6.85E-06	6.86E-07	3.58E-07	1.04E-06	3.10E-07	1.47E-07	4.57E-07
2288	569914.84	4215571.55	3.35E-06	1.75E-06	5.10E-06	5.11E-07	2.66E-07	7.77E-07	2.31E-07	1.10E-07	3.40E-07
2289	569897.56	4215567.11	3.46E-06	1.81E-06	5.28E-06	5.29E-07	2.76E-07	8.05E-07	2.39E-07	1.13E-07	3.52E-07
2290	569880.28	4215562.67	3.58E-06	1.87E-06	5.45E-06	5.47E-07	2.85E-07	8.32E-07	2.47E-07	1.17E-07	3.64E-07
2291	569862.99	4215558.23	3.69E-06	1.93E-06	5.62E-06	5.64E-07	2.94E-07	8.57E-07	2.54E-07	1.21E-07	3.75E-07
2292	569923.48	4215573.77	3.29E-06	1.72E-06	5.01E-06	5.02E-07	2.62E-07	7.63E-07	2.26E-07	1.08E-07	3.34E-07
2293	569932.8	4215572.1	3.33E-06	1.74E-06	5.07E-06	5.08E-07	2.65E-07	7.73E-07	2.29E-07	1.09E-07	3.38E-07
2294	569942.11	4215570.42	3.37E-06	1.77E-06	5.14E-06	5.15E-07	2.69E-07	7.84E-07	2.33E-07	1.11E-07	3.43E-07
2295	569951.43	4215568.75	3.42E-06	1.79E-06	5.21E-06	5.23E-07	2.72E-07	7.95E-07	2.36E-07	1.12E-07	3.48E-07
2296	569960.74	4215567.07	3.48E-06	1.82E-06	5.29E-06	5.31E-07	2.77E-07	8.07E-07	2.40E-07	1.14E-07	3.53E-07
2297	569970.06	4215565.4	3.53E-06	1.85E-06	5.38E-06	5.40E-07	2.81E-07	8.21E-07	2.44E-07	1.16E-07	3.59E-07
2298	569979.37	4215563.72	3.60E-06	1.88E-06	5.48E-06	5.49E-07	2.86E-07	8.35E-07	2.48E-07	1.18E-07	3.66E-07
2299	569988.69	4215562.04	3.66E-06	1.92E-06	5.58E-06	5.59E-07	2.91E-07	8.51E-07	2.52E-07	1.20E-07	3.72E-07
2300	569998	4215560.37	3.73E-06	1.95E-06	5.69E-06	5.70E-07	2.97E-07	8.67E-07	2.57E-07	1.22E-07	3.80E-07
2301	570007.32	4215558.69	3.81E-06	1.99E-06	5.81E-06	5.82E-07	3.03E-07	8.85E-07	2.63E-07	1.25E-07	3.88E-07
2302	570016.63	4215557.02	3.89E-06	2.04E-06	5.93E-06	5.95E-07	3.10E-07	9.05E-07	2.68E-07	1.28E-07	3.96E-07
2303	570025.95	4215555.34	3.98E-06	2.08E-06	6.06E-06	6.07E-07	3.17E-07	9.24E-07	2.74E-07	1.30E-07	4.04E-07
2304	569916.65	4215581.4	3.10E-06	1.62E-06	4.72E-06	4.73E-07	2.47E-07	7.20E-07	2.14E-07	1.02E-07	3.15E-07
2305	569899.44	4215576.98	3.21E-06	1.68E-06	4.89E-06	4.90E-07	2.55E-07	7.46E-07	2.21E-07	1.05E-07	3.26E-07
2306	569882.24	4215572.56	3.32E-06	1.74E-06	5.06E-06	5.07E-07	2.64E-07	7.71E-07	2.29E-07	1.09E-07	3.38E-07
2307	569865.03	4215568.14	3.43E-06	1.79E-06	5.22E-06	5.23E-07	2.73E-07	7.96E-07	2.36E-07	1.12E-07	3.48E-07
2308	569847.83	4215563.72	3.53E-06	1.85E-06	5.37E-06	5.39E-07	2.81E-07	8.19E-07	2.43E-07	1.16E-07	3.59E-07
2309	569830.62	4215559.3	3.48E-06	1.82E-06	5.30E-06	5.31E-07	2.77E-07	8.08E-07	2.40E-07	1.14E-07	3.54E-07
2310	569934.57	4215581.94	3.08E-06	1.61E-06	4.69E-06	4.70E-07	2.45E-07	7.15E-07	2.12E-07	1.01E-07	3.13E-07
2311	569943.88	4215580.26	3.12E-06	1.63E-06	4.75E-06	4.76E-07	2.48E-07	7.25E-07	2.15E-07	1.02E-07	3.17E-07
2312	569953.2	4215578.59	3.16E-06	1.65E-06	4.82E-06	4.83E-07	2.52E-07	7.34E-07	2.18E-07	1.04E-07	3.21E-07
2313	569962.51	4215576.91	3.21E-06	1.68E-06	4.88E-06	4.90E-07	2.55E-07	7.45E-07	2.21E-07	1.05E-07	3.26E-07
2314	569971.83	4215575.24	3.25E-06	1.70E-06	4.95E-06	4.97E-07	2.59E-07	7.55E-07	2.24E-07	1.07E-07	3.31E-07

2315	569981.14	4215573.56	3.30E-06	1.73E-06	5.03E-06	5.04E-07	2.63E-07	7.67E-07	2.28E-07	1.08E-07	3.36E-07
2316	569990.46	4215571.89	3.36E-06	1.76E-06	5.11E-06	5.12E-07	2.67E-07	7.79E-07	2.31E-07	1.10E-07	3.41E-07
2317	569999.77	4215570.21	3.42E-06	1.79E-06	5.20E-06	5.21E-07	2.72E-07	7.93E-07	2.35E-07	1.12E-07	3.47E-07
2318	570009.09	4215568.54	3.48E-06	1.82E-06	5.30E-06	5.31E-07	2.77E-07	8.08E-07	2.40E-07	1.14E-07	3.54E-07
2319	570064.98	4215558.48	3.92E-06	2.05E-06	5.98E-06	5.99E-07	3.12E-07	9.11E-07	2.70E-07	1.29E-07	3.99E-07
2320	570074.3	4215556.81	4.03E-06	2.11E-06	6.14E-06	6.15E-07	3.21E-07	9.36E-07	2.78E-07	1.32E-07	4.10E-07
2321	570083.61	4215555.13	4.15E-06	2.17E-06	6.31E-06	6.33E-07	3.30E-07	9.63E-07	2.86E-07	1.36E-07	4.22E-07
2322	569917.88	4215591.11	2.88E-06	1.51E-06	4.38E-06	4.39E-07	2.29E-07	6.68E-07	1.98E-07	9.43E-08	2.93E-07
2323	569908.74	4215588.76	2.93E-06	1.53E-06	4.47E-06	4.48E-07	2.33E-07	6.81E-07	2.02E-07	9.61E-08	2.98E-07
2324	569899.6	4215586.41	2.99E-06	1.56E-06	4.55E-06	4.56E-07	2.38E-07	6.94E-07	2.06E-07	9.79E-08	3.04E-07
2325	569890.46	4215584.06	3.05E-06	1.59E-06	4.64E-06	4.65E-07	2.42E-07	7.08E-07	2.10E-07	9.98E-08	3.10E-07
2326	569881.32	4215581.71	3.10E-06	1.62E-06	4.73E-06	4.74E-07	2.47E-07	7.21E-07	2.14E-07	1.02E-07	3.15E-07
2327	569872.18	4215579.37	3.16E-06	1.65E-06	4.81E-06	4.82E-07	2.51E-07	7.33E-07	2.18E-07	1.03E-07	3.21E-07
2328	569863.04	4215577.02	3.21E-06	1.68E-06	4.89E-06	4.90E-07	2.55E-07	7.46E-07	2.21E-07	1.05E-07	3.26E-07
2329	569853.9	4215574.67	3.26E-06	1.71E-06	4.97E-06	4.98E-07	2.60E-07	7.58E-07	2.25E-07	1.07E-07	3.32E-07
2330	569844.76	4215572.32	3.31E-06	1.73E-06	5.04E-06	5.06E-07	2.64E-07	7.69E-07	2.28E-07	1.08E-07	3.37E-07
2331	569835.62	4215569.97	3.24E-06	1.69E-06	4.93E-06	4.95E-07	2.58E-07	7.52E-07	2.23E-07	1.06E-07	3.29E-07
2332	569826.48	4215567.62	3.27E-06	1.71E-06	4.98E-06	4.99E-07	2.60E-07	7.59E-07	2.25E-07	1.07E-07	3.32E-07
2333	569817.34	4215565.28	3.30E-06	1.73E-06	5.03E-06	5.04E-07	2.63E-07	7.67E-07	2.28E-07	1.08E-07	3.36E-07
2334	569808.2	4215562.93	3.33E-06	1.74E-06	5.08E-06	5.09E-07	2.65E-07	7.74E-07	2.30E-07	1.09E-07	3.39E-07
2335	569927.02	4215593.46	2.82E-06	1.48E-06	4.30E-06	4.31E-07	2.25E-07	6.56E-07	1.95E-07	9.25E-08	2.87E-07
2336	569936.34	4215591.78	2.86E-06	1.49E-06	4.35E-06	4.36E-07	2.27E-07	6.63E-07	1.97E-07	9.35E-08	2.90E-07
2337	569945.65	4215590.11	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.71E-07	1.99E-07	9.46E-08	2.94E-07
2338	569954.97	4215588.43	2.93E-06	1.53E-06	4.46E-06	4.47E-07	2.33E-07	6.79E-07	2.02E-07	9.58E-08	2.97E-07
2339	569964.28	4215586.75	2.96E-06	1.55E-06	4.52E-06	4.53E-07	2.36E-07	6.89E-07	2.04E-07	9.71E-08	3.01E-07
2340	569973.6	4215585.08	3.00E-06	1.57E-06	4.57E-06	4.58E-07	2.39E-07	6.97E-07	2.07E-07	9.83E-08	3.05E-07
2341	569982.91	4215583.4	3.04E-06	1.59E-06	4.63E-06	4.65E-07	2.42E-07	7.07E-07	2.10E-07	9.97E-08	3.09E-07
2342	569992.23	4215581.73	3.09E-06	1.62E-06	4.70E-06	4.72E-07	2.46E-07	7.17E-07	2.13E-07	1.01E-07	3.14E-07
2343	570048.12	4215571.68	3.44E-06	1.80E-06	5.24E-06	5.26E-07	2.74E-07	7.99E-07	2.37E-07	1.13E-07	3.50E-07
2344	570057.43	4215570	3.51E-06	1.84E-06	5.35E-06	5.37E-07	2.80E-07	8.16E-07	2.42E-07	1.15E-07	3.57E-07
2345	570066.75	4215568.33	3.60E-06	1.89E-06	5.49E-06	5.50E-07	2.87E-07	8.37E-07	2.48E-07	1.18E-07	3.66E-07
2346	570076.07	4215566.65	3.70E-06	1.94E-06	5.64E-06	5.65E-07	2.95E-07	8.60E-07	2.55E-07	1.21E-07	3.76E-07
2347	570085.38	4215564.98	3.80E-06	1.99E-06	5.80E-06	5.81E-07	3.03E-07	8.84E-07	2.62E-07	1.25E-07	3.87E-07
2348	569919.72	4215600.97	2.68E-06	1.40E-06	4.08E-06	4.09E-07	2.13E-07	6.22E-07	1.85E-07	8.78E-08	2.72E-07
2349	569910.64	4215598.64	2.73E-06	1.43E-06	4.16E-06	4.17E-07	2.17E-07	6.34E-07	1.88E-07	8.94E-08	2.78E-07
2350	569901.57	4215596.3	2.78E-06	1.46E-06	4.24E-06	4.25E-07	2.21E-07	6.46E-07	1.92E-07	9.11E-08	2.83E-07
2351	569892.5	4215593.97	2.84E-06	1.48E-06	4.32E-06	4.33E-07	2.26E-07	6.58E-07	1.95E-07	9.29E-08	2.88E-07
2352	569883.43	4215591.64	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.71E-07	1.99E-07	9.46E-08	2.94E-07
2353	569874.35	4215589.31	2.94E-06	1.54E-06	4.48E-06	4.49E-07	2.34E-07	6.82E-07	2.02E-07	9.63E-08	2.99E-07
2354	569865.28	4215586.98	2.99E-06	1.56E-06	4.55E-06	4.56E-07	2.38E-07	6.94E-07	2.06E-07	9.79E-08	3.04E-07
2355	569856.21	4215584.65	3.04E-06	1.59E-06	4.63E-06	4.64E-07	2.42E-07	7.06E-07	2.09E-07	9.95E-08	3.09E-07
2356	569847.13	4215582.32	3.09E-06	1.62E-06	4.70E-06	4.71E-07	2.46E-07	7.17E-07	2.13E-07	1.01E-07	3.14E-07
2357	569838.06	4215579.99	3.13E-06	1.64E-06	4.77E-06	4.79E-07	2.49E-07	7.28E-07	2.16E-07	1.03E-07	3.19E-07
2358	569828.99	4215577.66	3.06E-06	1.60E-06	4.66E-06	4.67E-07	2.43E-07	7.10E-07	2.11E-07	1.00E-07	3.11E-07
2359	569819.91	4215575.33	3.09E-06	1.61E-06	4.70E-06	4.71E-07	2.46E-07	7.17E-07	2.13E-07	1.01E-07	3.14E-07
2360	569810.84	4215572.99	3.11E-06	1.63E-06	4.74E-06	4.76E-07	2.48E-07	7.23E-07	2.15E-07	1.02E-07	3.17E-07
2361	569801.77	4215570.66	3.14E-06	1.64E-06	4.79E-06	4.80E-07	2.50E-07	7.30E-07	2.17E-07	1.03E-07	3.20E-07
2362	569792.7	4215568.33	3.17E-06	1.66E-06	4.83E-06	4.84E-07	2.52E-07	7.36E-07	2.18E-07	1.04E-07	3.22E-07
2363	569928.79	4215603.3	2.63E-06	1.38E-06	4.01E-06	4.02E-07	2.09E-07	6.11E-07	1.81E-07	8.62E-08	2.67E-07
2364	569938.11	4215601.62	2.66E-06	1.39E-06	4.05E-06	4.06E-07	2.11E-07	6.17E-07	1.83E-07	8.71E-08	2.70E-07
2365	569947.42	4215599.95	2.69E-06	1.41E-06	4.09E-06	4.10E-07	2.14E-07	6.24E-07	1.85E-07	8.80E-08	2.73E-07
2366	569956.74	4215598.27	2.72E-06	1.42E-06	4.14E-06	4.15E-07	2.16E-07	6.31E-07	1.87E-07	8.91E-08	2.76E-07
2367	569966.05	4215596.6	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.39E-07	1.90E-07	9.01E-08	2.80E-07
2368	569975.37	4215594.92	2.78E-06	1.46E-06	4.24E-06	4.25E-07	2.22E-07	6.47E-07	1.92E-07	9.12E-08	2.83E-07
2369	570031.26	4215584.87	3.05E-06	1.60E-06	4.65E-06	4.66E-07	2.43E-07	7.09E-07	2.10E-07	1.00E-07	3.10E-07
2370	570040.57	4215583.19	3.11E-06	1.63E-06	4.74E-06	4.75E-07	2.48E-07	7.23E-07	2.15E-07	1.02E-07	3.16E-07
2371	570049.89	4215581.52	3.17E-06	1.66E-06	4.84E-06	4.85E-07	2.53E-07	7.37E-07	2.19E-07	1.04E-07	3.23E-07
2372	570059.2	4215579.84	3.25E-06	1.70E-06	4.94E-06	4.96E-07	2.58E-07	7.54E-07	2.24E-07	1.06E-07	3.30E-07
2373	570068.52	4215578.17	3.33E-06	1.74E-06	5.07E-06	5.08E-07	2.65E-07	7.73E-07	2.29E-07	1.09E-07	3.38E-07
2374	570077.84	4215576.49	3.41E-06	1.79E-06	5.20E-06	5.21E-07	2.72E-07	7.93E-07	2.35E-07	1.12E-07	3.47E-07
2375	570087.15	4215574.82	3.51E-06	1.83E-06	5.34E-06	5.36E-07	2.79E-07	8.15E-07	2.42E-07	1.15E-07	3.57E-07

2376	569921.55	4215610.82	2.50E-06	1.31E-06	3.81E-06	3.82E-07	1.99E-07	5.81E-07	1.72E-07	8.20E-08	2.54E-07
2377	569912.53	4215608.51	2.55E-06	1.33E-06	3.88E-06	3.89E-07	2.03E-07	5.92E-07	1.76E-07	8.35E-08	2.59E-07
2378	569903.52	4215606.19	2.60E-06	1.36E-06	3.95E-06	3.96E-07	2.07E-07	6.03E-07	1.79E-07	8.50E-08	2.64E-07
2379	569894.51	4215603.88	2.64E-06	1.38E-06	4.03E-06	4.04E-07	2.10E-07	6.14E-07	1.82E-07	8.66E-08	2.69E-07
2380	569885.49	4215601.56	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.25E-07	1.86E-07	8.82E-08	2.74E-07
2381	569876.48	4215599.25	2.74E-06	1.43E-06	4.17E-06	4.18E-07	2.18E-07	6.37E-07	1.89E-07	8.98E-08	2.79E-07
2382	569867.46	4215596.93	2.79E-06	1.46E-06	4.25E-06	4.26E-07	2.22E-07	6.48E-07	1.92E-07	9.13E-08	2.83E-07
2383	569858.45	4215594.61	2.84E-06	1.48E-06	4.32E-06	4.33E-07	2.26E-07	6.59E-07	1.95E-07	9.29E-08	2.88E-07
2384	569849.44	4215592.3	2.88E-06	1.51E-06	4.39E-06	4.40E-07	2.29E-07	6.69E-07	1.99E-07	9.44E-08	2.93E-07
2385	569840.42	4215589.98	2.93E-06	1.53E-06	4.46E-06	4.47E-07	2.33E-07	6.80E-07	2.02E-07	9.59E-08	2.98E-07
2386	569831.41	4215587.67	2.97E-06	1.55E-06	4.53E-06	4.54E-07	2.36E-07	6.90E-07	2.05E-07	9.73E-08	3.02E-07
2387	569822.4	4215585.35	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.71E-07	1.99E-07	9.47E-08	2.94E-07
2388	569813.38	4215583.04	2.91E-06	1.52E-06	4.44E-06	4.45E-07	2.32E-07	6.77E-07	2.01E-07	9.55E-08	2.96E-07
2389	569804.37	4215580.72	2.94E-06	1.54E-06	4.48E-06	4.50E-07	2.34E-07	6.84E-07	2.03E-07	9.64E-08	2.99E-07
2390	569795.35	4215578.4	2.97E-06	1.56E-06	4.53E-06	4.54E-07	2.37E-07	6.90E-07	2.05E-07	9.74E-08	3.02E-07
2391	569786.34	4215576.09	3.00E-06	1.57E-06	4.57E-06	4.58E-07	2.39E-07	6.97E-07	2.07E-07	9.83E-08	3.05E-07
2392	569930.56	4215613.14	2.46E-06	1.29E-06	3.74E-06	3.75E-07	1.95E-07	5.71E-07	1.69E-07	8.05E-08	2.50E-07
2393	569939.88	4215611.46	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.97E-07	5.76E-07	1.71E-07	8.13E-08	2.52E-07
2394	569949.19	4215609.79	2.51E-06	1.31E-06	3.82E-06	3.83E-07	1.99E-07	5.82E-07	1.73E-07	8.21E-08	2.55E-07
2395	570005.08	4215599.74	2.70E-06	1.41E-06	4.11E-06	4.12E-07	2.14E-07	6.26E-07	1.86E-07	8.83E-08	2.74E-07
2396	570014.4	4215598.06	2.73E-06	1.43E-06	4.17E-06	4.18E-07	2.18E-07	6.35E-07	1.88E-07	8.96E-08	2.78E-07
2397	570023.71	4215596.39	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.45E-07	1.91E-07	9.10E-08	2.82E-07
2398	570033.03	4215594.71	2.83E-06	1.48E-06	4.31E-06	4.32E-07	2.25E-07	6.58E-07	1.95E-07	9.27E-08	2.88E-07
2399	570042.34	4215593.04	2.89E-06	1.51E-06	4.40E-06	4.41E-07	2.30E-07	6.71E-07	1.99E-07	9.46E-08	2.93E-07
2400	570051.66	4215591.36	2.95E-06	1.54E-06	4.49E-06	4.50E-07	2.34E-07	6.84E-07	2.03E-07	9.65E-08	3.00E-07
2401	570060.97	4215589.69	3.01E-06	1.58E-06	4.59E-06	4.60E-07	2.40E-07	7.00E-07	2.08E-07	9.87E-08	3.06E-07
2402	570070.29	4215588.01	3.08E-06	1.61E-06	4.70E-06	4.71E-07	2.45E-07	7.16E-07	2.13E-07	1.01E-07	3.14E-07
2403	570079.61	4215586.34	3.16E-06	1.65E-06	4.81E-06	4.83E-07	2.52E-07	7.34E-07	2.18E-07	1.04E-07	3.21E-07
2404	570088.92	4215584.66	3.25E-06	1.70E-06	4.95E-06	4.96E-07	2.58E-07	7.54E-07	2.24E-07	1.06E-07	3.30E-07
2405	569923.37	4215620.68	2.34E-06	1.23E-06	3.57E-06	3.58E-07	1.86E-07	5.44E-07	1.61E-07	7.68E-08	2.38E-07
2406	569914.41	4215618.38	2.38E-06	1.25E-06	3.63E-06	3.64E-07	1.90E-07	5.54E-07	1.64E-07	7.81E-08	2.42E-07
2407	569905.45	4215616.08	2.43E-06	1.27E-06	3.70E-06	3.71E-07	1.93E-07	5.64E-07	1.67E-07	7.95E-08	2.47E-07
2408	569896.49	4215613.77	2.47E-06	1.29E-06	3.76E-06	3.77E-07	1.97E-07	5.74E-07	1.70E-07	8.09E-08	2.51E-07
2409	569887.53	4215611.47	2.51E-06	1.32E-06	3.83E-06	3.84E-07	2.00E-07	5.84E-07	1.73E-07	8.24E-08	2.56E-07
2410	569878.56	4215609.17	2.56E-06	1.34E-06	3.90E-06	3.91E-07	2.04E-07	5.94E-07	1.76E-07	8.38E-08	2.60E-07
2411	569869.6	4215606.87	2.61E-06	1.36E-06	3.97E-06	3.98E-07	2.07E-07	6.05E-07	1.80E-07	8.53E-08	2.65E-07
2412	569860.64	4215604.56	2.65E-06	1.39E-06	4.04E-06	4.05E-07	2.11E-07	6.15E-07	1.83E-07	8.68E-08	2.69E-07
2413	569851.68	4215602.26	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.26E-07	1.86E-07	8.82E-08	2.74E-07
2414	569842.72	4215599.96	2.74E-06	1.43E-06	4.17E-06	4.18E-07	2.18E-07	6.36E-07	1.89E-07	8.97E-08	2.78E-07
2415	569833.76	4215597.66	2.78E-06	1.45E-06	4.23E-06	4.24E-07	2.21E-07	6.46E-07	1.92E-07	9.11E-08	2.83E-07
2416	569824.8	4215595.36	2.82E-06	1.48E-06	4.30E-06	4.31E-07	2.24E-07	6.55E-07	1.94E-07	9.24E-08	2.87E-07
2417	569815.84	4215593.05	2.74E-06	1.43E-06	4.17E-06	4.18E-07	2.18E-07	6.36E-07	1.89E-07	8.97E-08	2.78E-07
2418	569806.88	4215590.75	2.76E-06	1.45E-06	4.21E-06	4.22E-07	2.20E-07	6.42E-07	1.90E-07	9.05E-08	2.81E-07
2419	569797.92	4215588.45	2.79E-06	1.46E-06	4.25E-06	4.26E-07	2.22E-07	6.48E-07	1.92E-07	9.14E-08	2.84E-07
2420	569788.95	4215586.15	2.82E-06	1.47E-06	4.29E-06	4.30E-07	2.24E-07	6.55E-07	1.94E-07	9.23E-08	2.87E-07
2421	569932.33	4215622.98	2.30E-06	1.21E-06	3.51E-06	3.52E-07	1.83E-07	5.35E-07	1.59E-07	7.54E-08	2.34E-07
2422	569988.22	4215612.93	2.45E-06	1.28E-06	3.74E-06	3.75E-07	1.95E-07	5.70E-07	1.69E-07	8.04E-08	2.49E-07
2423	569997.54	4215611.25	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.98E-07	5.77E-07	1.71E-07	8.14E-08	2.53E-07
2424	570006.85	4215609.58	2.51E-06	1.32E-06	3.83E-06	3.84E-07	2.00E-07	5.84E-07	1.73E-07	8.23E-08	2.56E-07
2425	570016.17	4215607.9	2.55E-06	1.33E-06	3.88E-06	3.89E-07	2.03E-07	5.92E-07	1.76E-07	8.35E-08	2.59E-07
2426	570025.48	4215606.23	2.59E-06	1.35E-06	3.94E-06	3.95E-07	2.06E-07	6.01E-07	1.78E-07	8.47E-08	2.63E-07
2427	570034.8	4215604.55	2.64E-06	1.38E-06	4.02E-06	4.03E-07	2.10E-07	6.13E-07	1.82E-07	8.64E-08	2.68E-07
2428	570044.11	4215602.88	2.69E-06	1.41E-06	4.10E-06	4.11E-07	2.14E-07	6.25E-07	1.85E-07	8.82E-08	2.74E-07
2429	570053.43	4215601.2	2.75E-06	1.44E-06	4.19E-06	4.20E-07	2.19E-07	6.39E-07	1.89E-07	9.01E-08	2.80E-07
2430	570062.74	4215599.53	2.81E-06	1.47E-06	4.28E-06	4.29E-07	2.24E-07	6.53E-07	1.94E-07	9.21E-08	2.86E-07
2431	570072.06	4215597.85	2.88E-06	1.51E-06	4.38E-06	4.39E-07	2.29E-07	6.68E-07	1.98E-07	9.43E-08	2.93E-07
2432	570081.38	4215596.18	2.95E-06	1.54E-06	4.49E-06	4.50E-07	2.35E-07	6.85E-07	2.03E-07	9.66E-08	3.00E-07
2433	570090.69	4215594.5	3.03E-06	1.58E-06	4.61E-06	4.63E-07	2.41E-07	7.04E-07	2.09E-07	9.92E-08	3.08E-07
2434	569925.19	4215630.53	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.12E-07	1.52E-07	7.21E-08	2.24E-07
2435	569916.27	4215628.24	2.24E-06	1.17E-06	3.41E-06	3.42E-07	1.78E-07	5.20E-07	1.54E-07	7.34E-08	2.28E-07
2436	569907.36	4215625.95	2.28E-06	1.19E-06	3.47E-06	3.48E-07	1.81E-07	5.29E-07	1.57E-07	7.46E-08	2.32E-07

2437	569898.45	4215623.66	2.32E-06	1.21E-06	3.53E-06	3.54E-07	1.84E-07	5.38E-07	1.60E-07	7.59E-08	2.36E-07
2438	569889.53	4215621.37	2.36E-06	1.23E-06	3.59E-06	3.60E-07	1.88E-07	5.47E-07	1.62E-07	7.72E-08	2.40E-07
2439	569880.62	4215619.08	2.40E-06	1.25E-06	3.65E-06	3.66E-07	1.91E-07	5.57E-07	1.65E-07	7.85E-08	2.44E-07
2440	569871.7	4215616.79	2.44E-06	1.27E-06	3.71E-06	3.72E-07	1.94E-07	5.66E-07	1.68E-07	7.98E-08	2.48E-07
2441	569862.79	4215614.5	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.97E-07	5.76E-07	1.71E-07	8.13E-08	2.52E-07
2442	569853.88	4215612.21	2.52E-06	1.32E-06	3.84E-06	3.85E-07	2.01E-07	5.86E-07	1.74E-07	8.26E-08	2.56E-07
2443	569844.96	4215609.92	2.56E-06	1.34E-06	3.90E-06	3.91E-07	2.04E-07	5.95E-07	1.77E-07	8.40E-08	2.61E-07
2444	569836.05	4215607.63	2.60E-06	1.36E-06	3.97E-06	3.98E-07	2.07E-07	6.05E-07	1.79E-07	8.53E-08	2.65E-07
2445	569827.13	4215605.34	2.64E-06	1.38E-06	4.03E-06	4.04E-07	2.10E-07	6.14E-07	1.82E-07	8.66E-08	2.69E-07
2446	569818.22	4215603.05	2.58E-06	1.35E-06	3.93E-06	3.94E-07	2.05E-07	5.99E-07	1.78E-07	8.45E-08	2.62E-07
2447	569809.31	4215600.76	2.60E-06	1.36E-06	3.96E-06	3.97E-07	2.07E-07	6.04E-07	1.79E-07	8.52E-08	2.65E-07
2448	569800.39	4215598.47	2.63E-06	1.37E-06	4.00E-06	4.01E-07	2.09E-07	6.10E-07	1.81E-07	8.61E-08	2.67E-07
2449	569791.48	4215596.18	2.65E-06	1.39E-06	4.04E-06	4.05E-07	2.11E-07	6.16E-07	1.83E-07	8.69E-08	2.70E-07
2450	569971.36	4215626.12	2.25E-06	1.18E-06	3.42E-06	3.43E-07	1.79E-07	5.22E-07	1.55E-07	7.36E-08	2.28E-07
2451	569980.68	4215624.45	2.27E-06	1.19E-06	3.46E-06	3.47E-07	1.81E-07	5.27E-07	1.56E-07	7.44E-08	2.31E-07
2452	569989.99	4215622.77	2.30E-06	1.20E-06	3.50E-06	3.51E-07	1.83E-07	5.34E-07	1.58E-07	7.53E-08	2.34E-07
2453	569999.31	4215621.1	2.33E-06	1.22E-06	3.54E-06	3.55E-07	1.85E-07	5.40E-07	1.60E-07	7.62E-08	2.36E-07
2454	570008.62	4215619.42	2.35E-06	1.23E-06	3.59E-06	3.59E-07	1.87E-07	5.47E-07	1.62E-07	7.71E-08	2.39E-07
2455	570017.94	4215617.75	2.38E-06	1.25E-06	3.63E-06	3.64E-07	1.90E-07	5.53E-07	1.64E-07	7.81E-08	2.42E-07
2456	570027.25	4215616.07	2.42E-06	1.27E-06	3.68E-06	3.69E-07	1.92E-07	5.62E-07	1.67E-07	7.92E-08	2.46E-07
2457	570036.57	4215614.4	2.47E-06	1.29E-06	3.76E-06	3.77E-07	1.96E-07	5.73E-07	1.70E-07	8.08E-08	2.51E-07
2458	570045.88	4215612.72	2.52E-06	1.32E-06	3.84E-06	3.85E-07	2.01E-07	5.85E-07	1.74E-07	8.25E-08	2.56E-07
2459	570055.2	4215611.05	2.58E-06	1.35E-06	3.92E-06	3.93E-07	2.05E-07	5.98E-07	1.77E-07	8.44E-08	2.62E-07
2460	570064.51	4215609.37	2.63E-06	1.38E-06	4.01E-06	4.02E-07	2.10E-07	6.11E-07	1.81E-07	8.62E-08	2.68E-07
2461	570073.83	4215607.69	2.69E-06	1.41E-06	4.10E-06	4.12E-07	2.14E-07	6.26E-07	1.86E-07	8.83E-08	2.74E-07
2462	570083.15	4215606.02	2.76E-06	1.45E-06	4.21E-06	4.22E-07	2.20E-07	6.42E-07	1.90E-07	9.05E-08	2.81E-07
2463	570092.46	4215604.34	2.84E-06	1.48E-06	4.32E-06	4.33E-07	2.26E-07	6.59E-07	1.96E-07	9.30E-08	2.89E-07
2464	569909.26	4215635.83	2.14E-06	1.12E-06	3.26E-06	3.27E-07	1.71E-07	4.98E-07	1.48E-07	7.02E-08	2.18E-07
2465	569900.39	4215633.55	2.18E-06	1.14E-06	3.32E-06	3.33E-07	1.73E-07	5.06E-07	1.50E-07	7.14E-08	2.22E-07
2466	569891.51	4215631.27	2.21E-06	1.16E-06	3.37E-06	3.38E-07	1.76E-07	5.14E-07	1.53E-07	7.26E-08	2.25E-07
2467	569882.64	4215628.99	2.25E-06	1.18E-06	3.43E-06	3.44E-07	1.79E-07	5.23E-07	1.55E-07	7.38E-08	2.29E-07
2468	569873.77	4215626.71	2.29E-06	1.20E-06	3.49E-06	3.49E-07	1.82E-07	5.32E-07	1.58E-07	7.50E-08	2.33E-07
2469	569864.9	4215624.43	2.33E-06	1.22E-06	3.55E-06	3.55E-07	1.85E-07	5.41E-07	1.60E-07	7.63E-08	2.37E-07
2470	569856.03	4215622.15	2.37E-06	1.24E-06	3.60E-06	3.61E-07	1.88E-07	5.50E-07	1.63E-07	7.75E-08	2.41E-07
2471	569847.16	4215619.87	2.40E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.59E-07	1.66E-07	7.88E-08	2.44E-07
2472	569838.29	4215617.6	2.44E-06	1.28E-06	3.72E-06	3.73E-07	1.94E-07	5.67E-07	1.68E-07	8.00E-08	2.48E-07
2473	569829.41	4215615.32	2.48E-06	1.30E-06	3.78E-06	3.79E-07	1.97E-07	5.76E-07	1.71E-07	8.13E-08	2.52E-07
2474	569820.54	4215613.04	2.52E-06	1.32E-06	3.83E-06	3.84E-07	2.00E-07	5.85E-07	1.73E-07	8.25E-08	2.56E-07
2475	569811.67	4215610.76	2.46E-06	1.29E-06	3.74E-06	3.75E-07	1.95E-07	5.71E-07	1.69E-07	8.05E-08	2.50E-07
2476	569802.8	4215608.48	2.48E-06	1.30E-06	3.77E-06	3.78E-07	1.97E-07	5.76E-07	1.71E-07	8.12E-08	2.52E-07
2477	569945.19	4215640.99	2.06E-06	1.08E-06	3.13E-06	3.14E-07	1.64E-07	4.78E-07	1.42E-07	6.74E-08	2.09E-07
2478	569954.5	4215639.32	2.07E-06	1.08E-06	3.16E-06	3.17E-07	1.65E-07	4.81E-07	1.43E-07	6.79E-08	2.11E-07
2479	569963.82	4215637.64	2.09E-06	1.09E-06	3.18E-06	3.19E-07	1.66E-07	4.86E-07	1.44E-07	6.85E-08	2.13E-07
2480	569973.13	4215635.97	2.11E-06	1.10E-06	3.22E-06	3.22E-07	1.68E-07	4.90E-07	1.45E-07	6.92E-08	2.15E-07
2481	569982.45	4215634.29	2.13E-06	1.12E-06	3.25E-06	3.26E-07	1.70E-07	4.96E-07	1.47E-07	6.99E-08	2.17E-07
2482	569991.76	4215632.61	2.16E-06	1.13E-06	3.29E-06	3.30E-07	1.72E-07	5.01E-07	1.49E-07	7.07E-08	2.19E-07
2483	570001.08	4215630.94	2.19E-06	1.14E-06	3.33E-06	3.34E-07	1.74E-07	5.08E-07	1.51E-07	7.16E-08	2.22E-07
2484	570010.39	4215629.26	2.21E-06	1.16E-06	3.37E-06	3.38E-07	1.76E-07	5.14E-07	1.53E-07	7.25E-08	2.25E-07
2485	570019.71	4215627.59	2.24E-06	1.17E-06	3.42E-06	3.43E-07	1.79E-07	5.21E-07	1.55E-07	7.35E-08	2.28E-07
2486	570029.02	4215625.91	2.28E-06	1.19E-06	3.47E-06	3.48E-07	1.81E-07	5.30E-07	1.57E-07	7.47E-08	2.32E-07
2487	570038.34	4215624.24	2.32E-06	1.21E-06	3.54E-06	3.55E-07	1.85E-07	5.39E-07	1.60E-07	7.61E-08	2.36E-07
2488	570047.65	4215622.56	2.37E-06	1.24E-06	3.61E-06	3.62E-07	1.89E-07	5.50E-07	1.63E-07	7.76E-08	2.41E-07
2489	570056.97	4215620.89	2.42E-06	1.27E-06	3.69E-06	3.70E-07	1.93E-07	5.62E-07	1.67E-07	7.93E-08	2.46E-07
2490	570066.28	4215619.21	2.47E-06	1.29E-06	3.77E-06	3.78E-07	1.97E-07	5.74E-07	1.70E-07	8.10E-08	2.51E-07
2491	570075.6	4215617.54	2.53E-06	1.32E-06	3.86E-06	3.86E-07	2.01E-07	5.88E-07	1.74E-07	8.29E-08	2.57E-07
2492	570084.92	4215615.86	2.59E-06	1.36E-06	3.95E-06	3.96E-07	2.06E-07	6.03E-07	1.79E-07	8.50E-08	2.64E-07
2493	570094.23	4215614.19	2.67E-06	1.40E-06	4.06E-06	4.07E-07	2.12E-07	6.19E-07	1.84E-07	8.74E-08	2.71E-07
2494	569902.31	4215643.43	2.05E-06	1.07E-06	3.13E-06	3.13E-07	1.63E-07	4.77E-07	1.41E-07	6.72E-08	2.09E-07
2495	569893.48	4215641.16	2.09E-06	1.09E-06	3.18E-06	3.18E-07	1.66E-07	4.84E-07	1.44E-07	6.83E-08	2.12E-07
2496	569884.64	4215638.89	2.12E-06	1.11E-06	3.23E-06	3.24E-07	1.69E-07	4.92E-07	1.46E-07	6.94E-08	2.15E-07
2497	569875.81	4215636.62	2.15E-06	1.13E-06	3.28E-06	3.29E-07	1.71E-07	5.00E-07	1.48E-07	7.05E-08	2.19E-07

2498	569866.98	4215634.35	2.19E-06	1.15E-06	3.33E-06	3.34E-07	1.74E-07	5.08E-07	1.51E-07	7.17E-08	2.22E-07
2499	569858.14	4215632.08	2.22E-06	1.16E-06	3.39E-06	3.40E-07	1.77E-07	5.17E-07	1.53E-07	7.29E-08	2.26E-07
2500	569849.31	4215629.82	2.26E-06	1.18E-06	3.44E-06	3.45E-07	1.80E-07	5.25E-07	1.56E-07	7.40E-08	2.30E-07
2501	569840.48	4215627.55	2.30E-06	1.20E-06	3.50E-06	3.51E-07	1.83E-07	5.33E-07	1.58E-07	7.52E-08	2.33E-07
2502	569831.64	4215625.28	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.86E-07	5.41E-07	1.61E-07	7.64E-08	2.37E-07
2503	569822.81	4215623.01	2.37E-06	1.24E-06	3.60E-06	3.61E-07	1.88E-07	5.50E-07	1.63E-07	7.75E-08	2.41E-07
2504	569813.98	4215620.74	2.40E-06	1.26E-06	3.66E-06	3.67E-07	1.91E-07	5.58E-07	1.65E-07	7.86E-08	2.44E-07
2505	569937.64	4215652.51	1.93E-06	1.01E-06	2.94E-06	2.94E-07	1.53E-07	4.48E-07	1.33E-07	6.32E-08	1.96E-07
2506	569946.96	4215650.83	1.94E-06	1.02E-06	2.96E-06	2.97E-07	1.55E-07	4.51E-07	1.34E-07	6.36E-08	1.97E-07
2507	569956.27	4215649.16	1.96E-06	1.02E-06	2.98E-06	2.99E-07	1.56E-07	4.54E-07	1.35E-07	6.41E-08	1.99E-07
2508	569965.59	4215647.48	1.97E-06	1.03E-06	3.00E-06	3.01E-07	1.57E-07	4.58E-07	1.36E-07	6.46E-08	2.00E-07
2509	569974.9	4215645.81	1.99E-06	1.04E-06	3.03E-06	3.04E-07	1.58E-07	4.62E-07	1.37E-07	6.52E-08	2.02E-07
2510	569984.22	4215644.13	2.01E-06	1.05E-06	3.06E-06	3.07E-07	1.60E-07	4.67E-07	1.39E-07	6.59E-08	2.04E-07
2511	569993.53	4215642.46	2.03E-06	1.06E-06	3.10E-06	3.10E-07	1.62E-07	4.72E-07	1.40E-07	6.66E-08	2.07E-07
2512	570002.85	4215640.78	2.06E-06	1.08E-06	3.14E-06	3.15E-07	1.64E-07	4.79E-07	1.42E-07	6.75E-08	2.09E-07
2513	570012.16	4215639.11	2.09E-06	1.09E-06	3.18E-06	3.19E-07	1.66E-07	4.85E-07	1.44E-07	6.84E-08	2.12E-07
2514	570021.48	4215637.43	2.12E-06	1.11E-06	3.23E-06	3.24E-07	1.69E-07	4.92E-07	1.46E-07	6.94E-08	2.16E-07
2515	570030.79	4215635.76	2.15E-06	1.13E-06	3.28E-06	3.29E-07	1.71E-07	5.00E-07	1.48E-07	7.06E-08	2.19E-07
2516	570040.11	4215634.08	2.19E-06	1.15E-06	3.34E-06	3.35E-07	1.74E-07	5.09E-07	1.51E-07	7.18E-08	2.23E-07
2517	570049.42	4215632.4	2.24E-06	1.17E-06	3.40E-06	3.41E-07	1.78E-07	5.19E-07	1.54E-07	7.32E-08	2.27E-07
2518	570058.74	4215630.73	2.28E-06	1.19E-06	3.47E-06	3.48E-07	1.82E-07	5.30E-07	1.57E-07	7.47E-08	2.32E-07
2519	570068.05	4215629.05	2.33E-06	1.22E-06	3.55E-06	3.56E-07	1.85E-07	5.41E-07	1.61E-07	7.63E-08	2.37E-07
2520	570077.37	4215627.38	2.38E-06	1.25E-06	3.63E-06	3.64E-07	1.90E-07	5.54E-07	1.64E-07	7.81E-08	2.42E-07
2521	570086.69	4215625.7	2.44E-06	1.28E-06	3.72E-06	3.73E-07	1.94E-07	5.68E-07	1.68E-07	8.00E-08	2.48E-07
2522	570096	4215624.03	2.51E-06	1.31E-06	3.82E-06	3.83E-07	2.00E-07	5.83E-07	1.73E-07	8.22E-08	2.55E-07
2523	569930.61	4215660.09	1.85E-06	9.69E-07	2.82E-06	2.83E-07	1.47E-07	4.30E-07	1.28E-07	6.07E-08	1.88E-07
2524	569921.81	4215657.83	1.88E-06	9.83E-07	2.86E-06	2.87E-07	1.50E-07	4.37E-07	1.30E-07	6.16E-08	1.91E-07
2525	569895.42	4215651.05	1.97E-06	1.03E-06	3.00E-06	3.00E-07	1.57E-07	4.57E-07	1.36E-07	6.44E-08	2.00E-07
2526	569886.62	4215648.79	2.00E-06	1.05E-06	3.04E-06	3.05E-07	1.59E-07	4.64E-07	1.38E-07	6.54E-08	2.03E-07
2527	569877.82	4215646.53	2.03E-06	1.06E-06	3.09E-06	3.10E-07	1.61E-07	4.71E-07	1.40E-07	6.65E-08	2.06E-07
2528	569869.03	4215644.27	2.06E-06	1.08E-06	3.14E-06	3.15E-07	1.64E-07	4.79E-07	1.42E-07	6.75E-08	2.10E-07
2529	569860.23	4215642.01	2.09E-06	1.10E-06	3.19E-06	3.20E-07	1.67E-07	4.86E-07	1.44E-07	6.86E-08	2.13E-07
2530	569851.43	4215639.75	2.13E-06	1.11E-06	3.24E-06	3.25E-07	1.69E-07	4.94E-07	1.47E-07	6.97E-08	2.16E-07
2531	569842.63	4215637.49	2.16E-06	1.13E-06	3.29E-06	3.30E-07	1.72E-07	5.02E-07	1.49E-07	7.08E-08	2.20E-07
2532	569833.83	4215635.23	2.19E-06	1.15E-06	3.34E-06	3.35E-07	1.75E-07	5.10E-07	1.51E-07	7.19E-08	2.23E-07
2533	569816.24	4215630.71	2.26E-06	1.18E-06	3.44E-06	3.45E-07	1.80E-07	5.25E-07	1.56E-07	7.40E-08	2.30E-07
2534	569939.41	4215662.35	1.82E-06	9.55E-07	2.78E-06	2.79E-07	1.45E-07	4.24E-07	1.26E-07	5.98E-08	1.86E-07
2535	569948.73	4215660.68	1.84E-06	9.61E-07	2.80E-06	2.81E-07	1.46E-07	4.27E-07	1.27E-07	6.02E-08	1.87E-07
2536	569958.04	4215659	1.85E-06	9.68E-07	2.82E-06	2.82E-07	1.47E-07	4.30E-07	1.27E-07	6.06E-08	1.88E-07
2537	569967.36	4215657.32	1.86E-06	9.76E-07	2.84E-06	2.85E-07	1.48E-07	4.33E-07	1.28E-07	6.11E-08	1.90E-07
2538	569976.67	4215655.65	1.88E-06	9.85E-07	2.87E-06	2.87E-07	1.50E-07	4.37E-07	1.30E-07	6.16E-08	1.91E-07
2539	569985.99	4215653.97	1.90E-06	9.95E-07	2.90E-06	2.90E-07	1.51E-07	4.42E-07	1.31E-07	6.23E-08	1.93E-07
2540	569995.3	4215652.3	1.92E-06	1.01E-06	2.93E-06	2.93E-07	1.53E-07	4.46E-07	1.32E-07	6.30E-08	1.95E-07
2541	570004.62	4215650.62	1.95E-06	1.02E-06	2.97E-06	2.97E-07	1.55E-07	4.52E-07	1.34E-07	6.38E-08	1.98E-07
2542	570013.93	4215648.95	1.98E-06	1.03E-06	3.01E-06	3.02E-07	1.57E-07	4.59E-07	1.36E-07	6.47E-08	2.01E-07
2543	570023.25	4215647.27	2.01E-06	1.05E-06	3.06E-06	3.07E-07	1.60E-07	4.66E-07	1.38E-07	6.58E-08	2.04E-07
2544	570032.56	4215645.6	2.04E-06	1.07E-06	3.11E-06	3.11E-07	1.62E-07	4.74E-07	1.41E-07	6.68E-08	2.07E-07
2545	570041.88	4215643.92	2.07E-06	1.09E-06	3.16E-06	3.17E-07	1.65E-07	4.82E-07	1.43E-07	6.80E-08	2.11E-07
2546	570051.19	4215642.25	2.11E-06	1.11E-06	3.22E-06	3.23E-07	1.68E-07	4.91E-07	1.46E-07	6.92E-08	2.15E-07
2547	570060.51	4215640.57	2.16E-06	1.13E-06	3.28E-06	3.29E-07	1.72E-07	5.01E-07	1.49E-07	7.06E-08	2.19E-07
2548	570069.83	4215638.9	2.20E-06	1.15E-06	3.35E-06	3.36E-07	1.75E-07	5.11E-07	1.52E-07	7.21E-08	2.24E-07
2549	570079.14	4215637.22	2.25E-06	1.18E-06	3.43E-06	3.44E-07	1.79E-07	5.23E-07	1.55E-07	7.37E-08	2.29E-07
2550	570088.46	4215635.55	2.31E-06	1.21E-06	3.51E-06	3.52E-07	1.84E-07	5.36E-07	1.59E-07	7.55E-08	2.34E-07
2551	570097.77	4215633.87	2.37E-06	1.24E-06	3.61E-06	3.61E-07	1.88E-07	5.50E-07	1.63E-07	7.75E-08	2.41E-07
2552	569932.02	4215669.84	1.76E-06	9.19E-07	2.67E-06	2.68E-07	1.40E-07	4.08E-07	1.21E-07	5.75E-08	1.79E-07
2553	569922.85	4215667.48	1.78E-06	9.32E-07	2.71E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.84E-08	1.81E-07
2554	569913.69	4215665.13	1.81E-06	9.46E-07	2.76E-06	2.76E-07	1.44E-07	4.20E-07	1.25E-07	5.93E-08	1.84E-07
2555	569877.03	4215655.71	1.93E-06	1.01E-06	2.93E-06	2.94E-07	1.53E-07	4.47E-07	1.33E-07	6.31E-08	1.96E-07
2556	569867.86	4215653.36	1.96E-06	1.02E-06	2.98E-06	2.99E-07	1.56E-07	4.55E-07	1.35E-07	6.41E-08	1.99E-07
2557	569858.7	4215651	1.99E-06	1.04E-06	3.03E-06	3.04E-07	1.58E-07	4.62E-07	1.37E-07	6.51E-08	2.02E-07
2558	569849.53	4215648.65	2.02E-06	1.06E-06	3.08E-06	3.09E-07	1.61E-07	4.69E-07	1.39E-07	6.62E-08	2.05E-07

2559	569840.37	4215646.29	2.05E-06	1.07E-06	3.13E-06	3.13E-07	1.63E-07	4.77E-07	1.41E-07	6.72E-08	2.09E-07
2560	569831.2	4215643.94	2.09E-06	1.09E-06	3.18E-06	3.18E-07	1.66E-07	4.84E-07	1.44E-07	6.83E-08	2.12E-07
2561	569941.18	4215672.19	1.73E-06	9.05E-07	2.64E-06	2.64E-07	1.38E-07	4.02E-07	1.19E-07	5.67E-08	1.76E-07
2562	569950.5	4215670.52	1.74E-06	9.11E-07	2.65E-06	2.66E-07	1.39E-07	4.05E-07	1.20E-07	5.71E-08	1.77E-07
2563	569959.81	4215668.84	1.75E-06	9.18E-07	2.67E-06	2.68E-07	1.40E-07	4.07E-07	1.21E-07	5.75E-08	1.78E-07
2564	569969.13	4215667.17	1.77E-06	9.25E-07	2.69E-06	2.70E-07	1.41E-07	4.11E-07	1.22E-07	5.79E-08	1.80E-07
2565	569978.44	4215665.49	1.78E-06	9.33E-07	2.72E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.84E-08	1.81E-07
2566	569987.76	4215663.82	1.80E-06	9.43E-07	2.74E-06	2.75E-07	1.43E-07	4.18E-07	1.24E-07	5.90E-08	1.83E-07
2567	569997.07	4215662.14	1.82E-06	9.53E-07	2.77E-06	2.78E-07	1.45E-07	4.23E-07	1.26E-07	5.97E-08	1.85E-07
2568	570006.39	4215660.47	1.84E-06	9.65E-07	2.81E-06	2.82E-07	1.47E-07	4.28E-07	1.27E-07	6.04E-08	1.88E-07
2569	570015.7	4215658.79	1.87E-06	9.78E-07	2.85E-06	2.86E-07	1.49E-07	4.34E-07	1.29E-07	6.13E-08	1.90E-07
2570	570025.02	4215657.11	1.90E-06	9.93E-07	2.89E-06	2.90E-07	1.51E-07	4.41E-07	1.31E-07	6.22E-08	1.93E-07
2571	570034.33	4215655.44	1.93E-06	1.01E-06	2.94E-06	2.95E-07	1.54E-07	4.48E-07	1.33E-07	6.32E-08	1.96E-07
2572	570043.65	4215653.76	1.96E-06	1.03E-06	2.99E-06	3.00E-07	1.56E-07	4.56E-07	1.35E-07	6.43E-08	2.00E-07
2573	570052.96	4215652.09	2.00E-06	1.05E-06	3.05E-06	3.05E-07	1.59E-07	4.65E-07	1.38E-07	6.55E-08	2.03E-07
2574	570062.28	4215650.41	2.04E-06	1.07E-06	3.11E-06	3.12E-07	1.62E-07	4.74E-07	1.41E-07	6.68E-08	2.07E-07
2575	570071.6	4215648.74	2.08E-06	1.09E-06	3.17E-06	3.18E-07	1.66E-07	4.84E-07	1.44E-07	6.82E-08	2.12E-07
2576	570080.91	4215647.06	2.13E-06	1.11E-06	3.25E-06	3.25E-07	1.70E-07	4.95E-07	1.47E-07	6.98E-08	2.17E-07
2577	570090.23	4215645.39	2.18E-06	1.14E-06	3.32E-06	3.33E-07	1.74E-07	5.07E-07	1.50E-07	7.15E-08	2.22E-07
2578	570099.54	4215643.71	2.24E-06	1.17E-06	3.41E-06	3.42E-07	1.78E-07	5.20E-07	1.54E-07	7.33E-08	2.27E-07
2579	569933.83	4215679.69	1.67E-06	8.72E-07	2.54E-06	2.55E-07	1.33E-07	3.87E-07	1.15E-07	5.46E-08	1.70E-07
2580	569924.72	4215677.35	1.69E-06	8.85E-07	2.58E-06	2.58E-07	1.35E-07	3.93E-07	1.17E-07	5.54E-08	1.72E-07
2581	569915.6	4215675.01	1.71E-06	8.97E-07	2.61E-06	2.62E-07	1.36E-07	3.98E-07	1.18E-07	5.62E-08	1.74E-07
2582	569906.48	4215672.67	1.74E-06	9.10E-07	2.65E-06	2.66E-07	1.38E-07	4.04E-07	1.20E-07	5.70E-08	1.77E-07
2583	569870.02	4215663.3	1.85E-06	9.68E-07	2.82E-06	2.83E-07	1.47E-07	4.30E-07	1.28E-07	6.06E-08	1.88E-07
2584	569860.9	4215660.95	1.88E-06	9.83E-07	2.86E-06	2.87E-07	1.50E-07	4.37E-07	1.30E-07	6.16E-08	1.91E-07
2585	569851.78	4215658.61	1.91E-06	9.99E-07	2.91E-06	2.92E-07	1.52E-07	4.43E-07	1.32E-07	6.25E-08	1.94E-07
2586	569842.67	4215656.27	1.94E-06	1.01E-06	2.95E-06	2.96E-07	1.54E-07	4.50E-07	1.34E-07	6.35E-08	1.97E-07
2587	569833.55	4215653.93	1.97E-06	1.03E-06	3.00E-06	3.01E-07	1.57E-07	4.57E-07	1.36E-07	6.45E-08	2.00E-07
2588	569942.95	4215682.03	1.64E-06	8.60E-07	2.50E-06	2.51E-07	1.31E-07	3.82E-07	1.13E-07	5.39E-08	1.67E-07
2589	569952.27	4215680.36	1.66E-06	8.66E-07	2.52E-06	2.53E-07	1.32E-07	3.84E-07	1.14E-07	5.42E-08	1.68E-07
2590	569961.58	4215678.68	1.67E-06	8.72E-07	2.54E-06	2.54E-07	1.33E-07	3.87E-07	1.15E-07	5.46E-08	1.69E-07
2591	569970.9	4215677.01	1.68E-06	8.79E-07	2.56E-06	2.57E-07	1.34E-07	3.90E-07	1.16E-07	5.50E-08	1.71E-07
2592	569980.21	4215675.33	1.69E-06	8.87E-07	2.58E-06	2.59E-07	1.35E-07	3.94E-07	1.17E-07	5.55E-08	1.72E-07
2593	569989.53	4215673.66	1.71E-06	8.95E-07	2.61E-06	2.61E-07	1.36E-07	3.98E-07	1.18E-07	5.61E-08	1.74E-07
2594	569998.84	4215671.98	1.73E-06	9.05E-07	2.63E-06	2.64E-07	1.38E-07	4.02E-07	1.19E-07	5.67E-08	1.76E-07
2595	570008.16	4215670.31	1.75E-06	9.16E-07	2.67E-06	2.67E-07	1.39E-07	4.07E-07	1.21E-07	5.73E-08	1.78E-07
2596	570017.47	4215668.63	1.77E-06	9.28E-07	2.70E-06	2.71E-07	1.41E-07	4.12E-07	1.22E-07	5.81E-08	1.80E-07
2597	570026.79	4215666.96	1.80E-06	9.42E-07	2.74E-06	2.75E-07	1.43E-07	4.18E-07	1.24E-07	5.90E-08	1.83E-07
2598	570036.1	4215665.28	1.83E-06	9.57E-07	2.79E-06	2.79E-07	1.46E-07	4.25E-07	1.26E-07	5.99E-08	1.86E-07
2599	570045.42	4215663.61	1.86E-06	9.74E-07	2.84E-06	2.84E-07	1.48E-07	4.32E-07	1.28E-07	6.10E-08	1.89E-07
2600	570054.73	4215661.93	1.90E-06	9.92E-07	2.89E-06	2.90E-07	1.51E-07	4.41E-07	1.31E-07	6.21E-08	1.93E-07
2601	570064.05	4215660.26	1.93E-06	1.01E-06	2.94E-06	2.95E-07	1.54E-07	4.49E-07	1.33E-07	6.33E-08	1.97E-07
2602	570073.37	4215658.58	1.97E-06	1.03E-06	3.01E-06	3.01E-07	1.57E-07	4.58E-07	1.36E-07	6.47E-08	2.01E-07
2603	570082.68	4215656.91	2.02E-06	1.06E-06	3.07E-06	3.08E-07	1.61E-07	4.69E-07	1.39E-07	6.61E-08	2.05E-07
2604	570092	4215655.23	2.07E-06	1.08E-06	3.15E-06	3.15E-07	1.64E-07	4.80E-07	1.42E-07	6.76E-08	2.10E-07
2605	570101.31	4215653.55	2.12E-06	1.11E-06	3.22E-06	3.23E-07	1.68E-07	4.92E-07	1.46E-07	6.93E-08	2.15E-07
2606	569935.65	4215689.55	1.59E-06	8.30E-07	2.42E-06	2.42E-07	1.26E-07	3.68E-07	1.09E-07	5.20E-08	1.61E-07
2607	569926.57	4215687.21	1.61E-06	8.41E-07	2.45E-06	2.45E-07	1.28E-07	3.73E-07	1.11E-07	5.26E-08	1.63E-07
2608	569917.5	4215684.88	1.63E-06	8.52E-07	2.48E-06	2.49E-07	1.30E-07	3.78E-07	1.12E-07	5.34E-08	1.66E-07
2609	569908.43	4215682.55	1.65E-06	8.64E-07	2.52E-06	2.52E-07	1.31E-07	3.84E-07	1.14E-07	5.41E-08	1.68E-07
2610	569899.36	4215680.22	1.68E-06	8.77E-07	2.55E-06	2.56E-07	1.33E-07	3.89E-07	1.15E-07	5.49E-08	1.70E-07
2611	569863.06	4215670.9	1.78E-06	9.31E-07	2.71E-06	2.72E-07	1.42E-07	4.13E-07	1.23E-07	5.83E-08	1.81E-07
2612	569853.99	4215668.57	1.81E-06	9.45E-07	2.75E-06	2.76E-07	1.44E-07	4.20E-07	1.24E-07	5.92E-08	1.84E-07
2613	569844.92	4215666.24	1.83E-06	9.60E-07	2.79E-06	2.80E-07	1.46E-07	4.26E-07	1.26E-07	6.01E-08	1.86E-07
2614	569944.72	4215691.88	1.57E-06	8.19E-07	2.38E-06	2.39E-07	1.25E-07	3.64E-07	1.08E-07	5.13E-08	1.59E-07
2615	569954.04	4215690.2	1.58E-06	8.25E-07	2.40E-06	2.41E-07	1.25E-07	3.66E-07	1.09E-07	5.16E-08	1.60E-07
2616	569963.35	4215688.53	1.59E-06	8.31E-07	2.42E-06	2.42E-07	1.26E-07	3.69E-07	1.09E-07	5.20E-08	1.61E-07
2617	569972.67	4215686.85	1.60E-06	8.38E-07	2.44E-06	2.44E-07	1.27E-07	3.72E-07	1.10E-07	5.24E-08	1.63E-07
2618	569981.98	4215685.18	1.61E-06	8.45E-07	2.46E-06	2.47E-07	1.29E-07	3.75E-07	1.11E-07	5.29E-08	1.64E-07
2619	569991.3	4215683.5	1.63E-06	8.53E-07	2.48E-06	2.49E-07	1.30E-07	3.79E-07	1.12E-07	5.34E-08	1.66E-07

2620	570000.61	4215681.82	1.65E-06	8.62E-07	2.51E-06	2.51E-07	1.31E-07	3.83E-07	1.13E-07	5.39E-08	1.67E-07
2621	570009.93	4215680.15	1.67E-06	8.71E-07	2.54E-06	2.54E-07	1.33E-07	3.87E-07	1.15E-07	5.46E-08	1.69E-07
2622	570019.24	4215678.47	1.69E-06	8.82E-07	2.57E-06	2.57E-07	1.34E-07	3.92E-07	1.16E-07	5.52E-08	1.71E-07
2623	570028.56	4215676.8	1.71E-06	8.95E-07	2.60E-06	2.61E-07	1.36E-07	3.97E-07	1.18E-07	5.60E-08	1.74E-07
2624	570037.87	4215675.12	1.74E-06	9.09E-07	2.65E-06	2.65E-07	1.38E-07	4.04E-07	1.20E-07	5.69E-08	1.77E-07
2625	570047.19	4215673.45	1.77E-06	9.26E-07	2.69E-06	2.70E-07	1.41E-07	4.11E-07	1.22E-07	5.80E-08	1.80E-07
2626	570056.5	4215671.77	1.80E-06	9.43E-07	2.74E-06	2.75E-07	1.43E-07	4.19E-07	1.24E-07	5.90E-08	1.83E-07
2627	570065.82	4215670.1	1.84E-06	9.61E-07	2.80E-06	2.80E-07	1.46E-07	4.27E-07	1.27E-07	6.02E-08	1.87E-07
2628	570075.14	4215668.42	1.87E-06	9.80E-07	2.85E-06	2.86E-07	1.49E-07	4.35E-07	1.29E-07	6.14E-08	1.91E-07
2629	570084.45	4215666.75	1.91E-06	1.00E-06	2.92E-06	2.92E-07	1.52E-07	4.45E-07	1.32E-07	6.27E-08	1.95E-07
2630	570093.77	4215665.07	1.96E-06	1.02E-06	2.98E-06	2.99E-07	1.56E-07	4.55E-07	1.35E-07	6.42E-08	1.99E-07
2631	570103.08	4215663.4	2.01E-06	1.05E-06	3.06E-06	3.06E-07	1.60E-07	4.66E-07	1.38E-07	6.57E-08	2.04E-07
2632	569937.46	4215699.4	1.51E-06	7.91E-07	2.30E-06	2.31E-07	1.20E-07	3.51E-07	1.04E-07	4.95E-08	1.54E-07
2633	569928.43	4215697.08	1.53E-06	8.01E-07	2.33E-06	2.34E-07	1.22E-07	3.55E-07	1.05E-07	5.01E-08	1.56E-07
2634	569919.39	4215694.76	1.55E-06	8.11E-07	2.36E-06	2.37E-07	1.23E-07	3.60E-07	1.07E-07	5.08E-08	1.58E-07
2635	569910.36	4215692.44	1.57E-06	8.22E-07	2.39E-06	2.40E-07	1.25E-07	3.65E-07	1.08E-07	5.15E-08	1.60E-07
2636	569901.33	4215690.12	1.59E-06	8.33E-07	2.43E-06	2.43E-07	1.27E-07	3.70E-07	1.10E-07	5.22E-08	1.62E-07
2637	569892.29	4215687.8	1.62E-06	8.45E-07	2.46E-06	2.47E-07	1.29E-07	3.75E-07	1.11E-07	5.29E-08	1.64E-07
2638	569946.49	4215701.72	1.49E-06	7.81E-07	2.27E-06	2.28E-07	1.19E-07	3.47E-07	1.03E-07	4.89E-08	1.52E-07
2639	569955.81	4215700.04	1.50E-06	7.87E-07	2.29E-06	2.30E-07	1.20E-07	3.49E-07	1.04E-07	4.93E-08	1.53E-07
2640	569965.12	4215698.37	1.52E-06	7.93E-07	2.31E-06	2.31E-07	1.21E-07	3.52E-07	1.04E-07	4.96E-08	1.54E-07
2641	569974.44	4215696.69	1.53E-06	7.99E-07	2.33E-06	2.33E-07	1.22E-07	3.55E-07	1.05E-07	5.01E-08	1.55E-07
2642	569983.75	4215695.02	1.54E-06	8.06E-07	2.35E-06	2.35E-07	1.23E-07	3.58E-07	1.06E-07	5.05E-08	1.57E-07
2643	569993.07	4215693.34	1.56E-06	8.14E-07	2.37E-06	2.38E-07	1.24E-07	3.61E-07	1.07E-07	5.10E-08	1.58E-07
2644	570002.38	4215691.67	1.57E-06	8.22E-07	2.39E-06	2.40E-07	1.25E-07	3.65E-07	1.08E-07	5.15E-08	1.60E-07
2645	570011.7	4215689.99	1.59E-06	8.31E-07	2.42E-06	2.42E-07	1.26E-07	3.69E-07	1.09E-07	5.20E-08	1.61E-07
2646	570021.01	4215688.32	1.61E-06	8.41E-07	2.45E-06	2.45E-07	1.28E-07	3.73E-07	1.11E-07	5.26E-08	1.63E-07
2647	570030.33	4215686.64	1.63E-06	8.52E-07	2.48E-06	2.49E-07	1.30E-07	3.78E-07	1.12E-07	5.34E-08	1.66E-07
2648	570039.64	4215684.97	1.65E-06	8.66E-07	2.52E-06	2.53E-07	1.32E-07	3.84E-07	1.14E-07	5.42E-08	1.68E-07
2649	570048.96	4215683.29	1.68E-06	8.81E-07	2.56E-06	2.57E-07	1.34E-07	3.91E-07	1.16E-07	5.51E-08	1.71E-07
2650	570058.27	4215681.62	1.71E-06	8.97E-07	2.61E-06	2.62E-07	1.36E-07	3.98E-07	1.18E-07	5.61E-08	1.74E-07
2651	570067.59	4215679.94	1.75E-06	9.14E-07	2.66E-06	2.67E-07	1.39E-07	4.06E-07	1.20E-07	5.72E-08	1.78E-07
2652	570076.91	4215678.26	1.78E-06	9.32E-07	2.71E-06	2.72E-07	1.42E-07	4.14E-07	1.23E-07	5.84E-08	1.81E-07
2653	570086.22	4215676.59	1.82E-06	9.52E-07	2.77E-06	2.78E-07	1.45E-07	4.23E-07	1.25E-07	5.96E-08	1.85E-07
2654	570095.54	4215674.91	1.86E-06	9.74E-07	2.84E-06	2.84E-07	1.48E-07	4.32E-07	1.28E-07	6.10E-08	1.89E-07
2655	570104.85	4215673.24	1.91E-06	9.97E-07	2.90E-06	2.91E-07	1.52E-07	4.43E-07	1.31E-07	6.24E-08	1.94E-07
2656	569939.27	4215709.25	1.44E-06	7.55E-07	2.20E-06	2.20E-07	1.15E-07	3.35E-07	9.95E-08	4.73E-08	1.47E-07
2657	569930.27	4215706.94	1.46E-06	7.64E-07	2.22E-06	2.23E-07	1.16E-07	3.39E-07	1.01E-07	4.78E-08	1.48E-07
2658	569921.27	4215704.63	1.48E-06	7.73E-07	2.25E-06	2.26E-07	1.18E-07	3.43E-07	1.02E-07	4.84E-08	1.50E-07
2659	569912.28	4215702.32	1.50E-06	7.83E-07	2.28E-06	2.29E-07	1.19E-07	3.48E-07	1.03E-07	4.90E-08	1.52E-07
2660	569903.28	4215700.01	1.52E-06	7.93E-07	2.31E-06	2.31E-07	1.21E-07	3.52E-07	1.04E-07	4.97E-08	1.54E-07
2661	569894.29	4215697.69	1.54E-06	8.04E-07	2.34E-06	2.35E-07	1.22E-07	3.57E-07	1.06E-07	5.04E-08	1.56E-07
2662	569885.29	4215695.38	1.56E-06	8.16E-07	2.37E-06	2.38E-07	1.24E-07	3.62E-07	1.07E-07	5.11E-08	1.59E-07
2663	569876.3	4215693.07	1.51E-06	7.92E-07	2.31E-06	2.31E-07	1.20E-07	3.52E-07	1.04E-07	4.96E-08	1.54E-07
2664	569948.26	4215711.56	1.43E-06	7.47E-07	2.17E-06	2.18E-07	1.14E-07	3.31E-07	9.83E-08	4.67E-08	1.45E-07
2665	569957.58	4215709.89	1.44E-06	7.52E-07	2.19E-06	2.19E-07	1.14E-07	3.34E-07	9.90E-08	4.71E-08	1.46E-07
2666	569966.89	4215708.21	1.45E-06	7.58E-07	2.21E-06	2.21E-07	1.15E-07	3.36E-07	9.98E-08	4.75E-08	1.47E-07
2667	569976.21	4215706.54	1.46E-06	7.64E-07	2.22E-06	2.23E-07	1.16E-07	3.39E-07	1.01E-07	4.78E-08	1.48E-07
2668	569985.52	4215704.86	1.47E-06	7.71E-07	2.24E-06	2.25E-07	1.17E-07	3.42E-07	1.02E-07	4.83E-08	1.50E-07
2669	569994.84	4215703.18	1.49E-06	7.78E-07	2.27E-06	2.27E-07	1.18E-07	3.45E-07	1.02E-07	4.87E-08	1.51E-07
2670	570004.15	4215701.51	1.50E-06	7.85E-07	2.29E-06	2.29E-07	1.19E-07	3.49E-07	1.03E-07	4.92E-08	1.53E-07
2671	570013.47	4215699.83	1.52E-06	7.93E-07	2.31E-06	2.32E-07	1.21E-07	3.52E-07	1.05E-07	4.97E-08	1.54E-07
2672	570022.78	4215698.16	1.53E-06	8.02E-07	2.34E-06	2.34E-07	1.22E-07	3.56E-07	1.06E-07	5.02E-08	1.56E-07
2673	570032.1	4215696.48	1.55E-06	8.13E-07	2.37E-06	2.37E-07	1.24E-07	3.61E-07	1.07E-07	5.09E-08	1.58E-07
2674	570041.41	4215694.81	1.58E-06	8.26E-07	2.40E-06	2.41E-07	1.26E-07	3.67E-07	1.09E-07	5.17E-08	1.60E-07
2675	570050.73	4215693.13	1.60E-06	8.39E-07	2.44E-06	2.45E-07	1.28E-07	3.73E-07	1.11E-07	5.25E-08	1.63E-07
2676	570060.04	4215691.46	1.63E-06	8.54E-07	2.49E-06	2.49E-07	1.30E-07	3.79E-07	1.12E-07	5.35E-08	1.66E-07
2677	570069.36	4215689.78	1.66E-06	8.70E-07	2.53E-06	2.54E-07	1.32E-07	3.86E-07	1.15E-07	5.45E-08	1.69E-07
2678	570078.68	4215688.11	1.70E-06	8.87E-07	2.58E-06	2.59E-07	1.35E-07	3.94E-07	1.17E-07	5.55E-08	1.72E-07
2679	570087.99	4215686.43	1.73E-06	9.06E-07	2.64E-06	2.64E-07	1.38E-07	4.02E-07	1.19E-07	5.67E-08	1.76E-07
2680	570097.31	4215684.76	1.77E-06	9.27E-07	2.70E-06	2.70E-07	1.41E-07	4.11E-07	1.22E-07	5.80E-08	1.80E-07

2681	569941.07	4215719.1	1.38E-06	7.22E-07	2.10E-06	2.11E-07	1.10E-07	3.21E-07	9.51E-08	4.52E-08	1.40E-07
2682	569932.11	4215716.8	1.40E-06	7.31E-07	2.13E-06	2.13E-07	1.11E-07	3.24E-07	9.62E-08	4.57E-08	1.42E-07
2683	569923.15	4215714.5	1.41E-06	7.39E-07	2.15E-06	2.16E-07	1.12E-07	3.28E-07	9.73E-08	4.63E-08	1.44E-07
2684	569914.19	4215712.19	1.43E-06	7.48E-07	2.18E-06	2.18E-07	1.14E-07	3.32E-07	9.85E-08	4.68E-08	1.45E-07
2685	569905.23	4215709.89	1.45E-06	7.57E-07	2.20E-06	2.21E-07	1.15E-07	3.36E-07	9.97E-08	4.74E-08	1.47E-07
2686	569896.27	4215707.59	1.47E-06	7.67E-07	2.23E-06	2.24E-07	1.17E-07	3.40E-07	1.01E-07	4.80E-08	1.49E-07
2687	569887.3	4215705.29	1.49E-06	7.77E-07	2.26E-06	2.27E-07	1.18E-07	3.45E-07	1.02E-07	4.86E-08	1.51E-07
2688	569878.34	4215702.99	1.51E-06	7.88E-07	2.29E-06	2.30E-07	1.20E-07	3.50E-07	1.04E-07	4.93E-08	1.53E-07
2689	569869.38	4215700.68	1.45E-06	7.60E-07	2.21E-06	2.22E-07	1.16E-07	3.38E-07	1.00E-07	4.76E-08	1.48E-07
2690	569950.03	4215721.4	1.37E-06	7.14E-07	2.08E-06	2.09E-07	1.09E-07	3.17E-07	9.41E-08	4.47E-08	1.39E-07
2691	569959.35	4215719.73	1.38E-06	7.19E-07	2.09E-06	2.10E-07	1.09E-07	3.19E-07	9.48E-08	4.50E-08	1.40E-07
2692	569968.66	4215718.05	1.39E-06	7.25E-07	2.11E-06	2.12E-07	1.10E-07	3.22E-07	9.55E-08	4.54E-08	1.41E-07
2693	569977.98	4215716.38	1.40E-06	7.31E-07	2.13E-06	2.13E-07	1.11E-07	3.24E-07	9.63E-08	4.58E-08	1.42E-07
2694	569987.29	4215714.7	1.41E-06	7.37E-07	2.15E-06	2.15E-07	1.12E-07	3.27E-07	9.71E-08	4.62E-08	1.43E-07
2695	569996.61	4215713.03	1.42E-06	7.44E-07	2.17E-06	2.17E-07	1.13E-07	3.30E-07	9.80E-08	4.66E-08	1.45E-07
2696	570005.92	4215711.35	1.44E-06	7.51E-07	2.19E-06	2.19E-07	1.14E-07	3.34E-07	9.89E-08	4.70E-08	1.46E-07
2697	570015.24	4215709.68	1.45E-06	7.59E-07	2.21E-06	2.21E-07	1.15E-07	3.37E-07	9.99E-08	4.75E-08	1.47E-07
2698	570024.55	4215708	1.47E-06	7.67E-07	2.23E-06	2.24E-07	1.17E-07	3.41E-07	1.01E-07	4.80E-08	1.49E-07
2699	570033.87	4215706.33	1.49E-06	7.77E-07	2.26E-06	2.27E-07	1.18E-07	3.45E-07	1.02E-07	4.87E-08	1.51E-07
2700	570043.18	4215704.65	1.51E-06	7.88E-07	2.30E-06	2.30E-07	1.20E-07	3.50E-07	1.04E-07	4.94E-08	1.53E-07
2701	570052.5	4215702.97	1.53E-06	8.01E-07	2.33E-06	2.34E-07	1.22E-07	3.56E-07	1.05E-07	5.01E-08	1.56E-07
2702	570061.81	4215701.3	1.56E-06	8.14E-07	2.37E-06	2.38E-07	1.24E-07	3.62E-07	1.07E-07	5.10E-08	1.58E-07
2703	570071.13	4215699.62	1.59E-06	8.29E-07	2.41E-06	2.42E-07	1.26E-07	3.68E-07	1.09E-07	5.19E-08	1.61E-07
2704	570080.45	4215697.95	1.62E-06	8.45E-07	2.46E-06	2.47E-07	1.29E-07	3.75E-07	1.11E-07	5.29E-08	1.64E-07
2705	570089.76	4215696.27	1.65E-06	8.63E-07	2.51E-06	2.52E-07	1.31E-07	3.83E-07	1.14E-07	5.41E-08	1.68E-07
2706	570099.08	4215694.6	1.69E-06	8.83E-07	2.57E-06	2.58E-07	1.34E-07	3.92E-07	1.16E-07	5.53E-08	1.72E-07
2707	570108.39	4215692.92	1.73E-06	9.04E-07	2.63E-06	2.64E-07	1.38E-07	4.01E-07	1.19E-07	5.66E-08	1.76E-07
2708	569942.87	4215728.95	1.32E-06	6.92E-07	2.01E-06	2.02E-07	1.05E-07	3.07E-07	9.11E-08	4.33E-08	1.34E-07
2709	569933.94	4215726.66	1.34E-06	6.99E-07	2.04E-06	2.04E-07	1.06E-07	3.11E-07	9.21E-08	4.38E-08	1.36E-07
2710	569925.01	4215724.36	1.35E-06	7.07E-07	2.06E-06	2.06E-07	1.08E-07	3.14E-07	9.31E-08	4.43E-08	1.37E-07
2711	569916.09	4215722.07	1.37E-06	7.15E-07	2.08E-06	2.09E-07	1.09E-07	3.17E-07	9.42E-08	4.48E-08	1.39E-07
2712	569907.16	4215719.78	1.38E-06	7.23E-07	2.11E-06	2.11E-07	1.10E-07	3.21E-07	9.53E-08	4.53E-08	1.41E-07
2713	569898.23	4215717.48	1.40E-06	7.32E-07	2.13E-06	2.14E-07	1.11E-07	3.25E-07	9.64E-08	4.58E-08	1.42E-07
2714	569889.3	4215715.19	1.42E-06	7.41E-07	2.16E-06	2.16E-07	1.13E-07	3.29E-07	9.77E-08	4.64E-08	1.44E-07
2715	569880.37	4215712.89	1.44E-06	7.51E-07	2.19E-06	2.19E-07	1.14E-07	3.33E-07	9.89E-08	4.70E-08	1.46E-07
2716	569871.44	4215710.6	1.39E-06	7.26E-07	2.11E-06	2.12E-07	1.10E-07	3.23E-07	9.57E-08	4.55E-08	1.41E-07
2717	569862.51	4215708.31	1.40E-06	7.32E-07	2.13E-06	2.14E-07	1.11E-07	3.25E-07	9.64E-08	4.58E-08	1.42E-07
2718	569591.18	4215444.03	2.46E-06	1.29E-06	3.74E-06	3.75E-07	1.96E-07	5.71E-07	1.69E-07	8.05E-08	2.50E-07
2719	569951.8	4215731.25	1.31E-06	6.85E-07	1.99E-06	2.00E-07	1.04E-07	3.04E-07	9.02E-08	4.29E-08	1.33E-07
2720	569961.12	4215729.57	1.32E-06	6.89E-07	2.01E-06	2.01E-07	1.05E-07	3.06E-07	9.08E-08	4.31E-08	1.34E-07
2721	569970.43	4215727.89	1.33E-06	6.94E-07	2.02E-06	2.03E-07	1.06E-07	3.08E-07	9.15E-08	4.35E-08	1.35E-07
2722	569979.75	4215726.22	1.34E-06	7.00E-07	2.04E-06	2.04E-07	1.06E-07	3.11E-07	9.22E-08	4.38E-08	1.36E-07
2723	569989.06	4215724.54	1.35E-06	7.06E-07	2.06E-06	2.06E-07	1.07E-07	3.14E-07	9.30E-08	4.42E-08	1.37E-07
2724	569998.38	4215722.87	1.36E-06	7.13E-07	2.07E-06	2.08E-07	1.08E-07	3.16E-07	9.39E-08	4.46E-08	1.38E-07
2725	570007.69	4215721.19	1.37E-06	7.19E-07	2.09E-06	2.10E-07	1.09E-07	3.19E-07	9.47E-08	4.50E-08	1.40E-07
2726	570017.01	4215719.52	1.39E-06	7.26E-07	2.11E-06	2.12E-07	1.10E-07	3.22E-07	9.57E-08	4.55E-08	1.41E-07
2727	570026.32	4215717.84	1.40E-06	7.34E-07	2.14E-06	2.14E-07	1.12E-07	3.26E-07	9.67E-08	4.60E-08	1.43E-07
2728	570035.64	4215716.17	1.42E-06	7.44E-07	2.17E-06	2.17E-07	1.13E-07	3.30E-07	9.80E-08	4.66E-08	1.45E-07
2729	570044.95	4215714.49	1.44E-06	7.54E-07	2.20E-06	2.20E-07	1.15E-07	3.35E-07	9.93E-08	4.72E-08	1.47E-07
2730	570054.27	4215712.82	1.46E-06	7.65E-07	2.23E-06	2.23E-07	1.16E-07	3.40E-07	1.01E-07	4.79E-08	1.49E-07
2731	570063.58	4215711.14	1.49E-06	7.78E-07	2.27E-06	2.27E-07	1.18E-07	3.45E-07	1.02E-07	4.87E-08	1.51E-07
2732	570072.9	4215709.47	1.51E-06	7.92E-07	2.31E-06	2.31E-07	1.20E-07	3.52E-07	1.04E-07	4.96E-08	1.54E-07
2733	570082.22	4215707.79	1.54E-06	8.07E-07	2.35E-06	2.36E-07	1.23E-07	3.58E-07	1.06E-07	5.05E-08	1.57E-07
2734	570091.53	4215706.12	1.58E-06	8.24E-07	2.40E-06	2.41E-07	1.25E-07	3.66E-07	1.09E-07	5.16E-08	1.60E-07
2735	570134.25	4215513.15	7.04E-06	3.68E-06	1.07E-05	1.07E-06	5.60E-07	1.63E-06	4.85E-07	2.31E-07	7.15E-07
2736	570122.88	4215521.29	6.16E-06	3.22E-06	9.38E-06	9.40E-07	4.90E-07	1.43E-06	4.24E-07	2.02E-07	6.26E-07
2737	570111.51	4215529.44	5.48E-06	2.87E-06	8.34E-06	8.36E-07	4.36E-07	1.27E-06	3.77E-07	1.79E-07	5.57E-07
2738	570121.14	4215531.14	5.52E-06	2.89E-06	8.40E-06	8.42E-07	4.39E-07	1.28E-06	3.80E-07	1.81E-07	5.61E-07
2739	570100.13	4215537.59	4.97E-06	2.60E-06	7.56E-06	7.58E-07	3.95E-07	1.15E-06	3.42E-07	1.63E-07	5.05E-07
2740	570109.77	4215539.29	4.96E-06	2.60E-06	7.56E-06	7.57E-07	3.95E-07	1.15E-06	3.42E-07	1.63E-07	5.04E-07
2741	570119.4	4215540.99	4.99E-06	2.61E-06	7.60E-06	7.62E-07	3.97E-07	1.16E-06	3.44E-07	1.63E-07	5.07E-07

2742	570129.04	4215542.69	5.05E-06	2.64E-06	7.69E-06	7.71E-07	4.02E-07	1.17E-06	3.48E-07	1.65E-07	5.13E-07
2743	570098.4	4215547.43	4.52E-06	2.36E-06	6.88E-06	6.90E-07	3.60E-07	1.05E-06	3.11E-07	1.48E-07	4.59E-07
2744	570108.03	4215549.14	4.52E-06	2.36E-06	6.88E-06	6.89E-07	3.59E-07	1.05E-06	3.11E-07	1.48E-07	4.59E-07
2745	570117.67	4215550.84	4.54E-06	2.37E-06	6.91E-06	6.93E-07	3.61E-07	1.05E-06	3.13E-07	1.49E-07	4.61E-07
2746	570096.66	4215557.28	4.13E-06	2.16E-06	6.29E-06	6.31E-07	3.29E-07	9.59E-07	2.85E-07	1.35E-07	4.20E-07
2747	570106.29	4215558.98	4.13E-06	2.16E-06	6.29E-06	6.30E-07	3.28E-07	9.59E-07	2.84E-07	1.35E-07	4.20E-07
2748	570115.93	4215560.68	4.14E-06	2.17E-06	6.31E-06	6.33E-07	3.30E-07	9.63E-07	2.86E-07	1.36E-07	4.21E-07
2749	570094.92	4215567.13	3.78E-06	1.98E-06	5.76E-06	5.77E-07	3.01E-07	8.78E-07	2.61E-07	1.24E-07	3.85E-07
2750	570104.55	4215568.83	3.79E-06	1.98E-06	5.77E-06	5.78E-07	3.01E-07	8.79E-07	2.61E-07	1.24E-07	3.85E-07
2751	570114.19	4215570.53	3.80E-06	1.99E-06	5.79E-06	5.80E-07	3.02E-07	8.83E-07	2.62E-07	1.24E-07	3.86E-07
2752	570123.82	4215572.23	3.84E-06	2.01E-06	5.85E-06	5.86E-07	3.06E-07	8.92E-07	2.65E-07	1.26E-07	3.90E-07
2753	570102.81	4215578.68	3.48E-06	1.82E-06	5.30E-06	5.32E-07	2.77E-07	8.09E-07	2.40E-07	1.14E-07	3.54E-07
2754	570112.45	4215580.38	3.50E-06	1.83E-06	5.33E-06	5.34E-07	2.78E-07	8.13E-07	2.41E-07	1.15E-07	3.56E-07
2755	570122.08	4215582.08	3.53E-06	1.85E-06	5.38E-06	5.40E-07	2.81E-07	8.21E-07	2.43E-07	1.16E-07	3.59E-07
2756	570101.08	4215588.53	3.22E-06	1.68E-06	4.90E-06	4.91E-07	2.56E-07	7.48E-07	2.22E-07	1.05E-07	3.27E-07
2757	570110.71	4215590.23	3.24E-06	1.69E-06	4.93E-06	4.95E-07	2.58E-07	7.52E-07	2.23E-07	1.06E-07	3.29E-07
2758	570099.34	4215598.37	2.99E-06	1.57E-06	4.56E-06	4.57E-07	2.38E-07	6.95E-07	2.06E-07	9.81E-08	3.04E-07
2759	570108.97	4215600.08	3.02E-06	1.58E-06	4.59E-06	4.60E-07	2.40E-07	7.00E-07	2.08E-07	9.88E-08	3.07E-07
2760	570118.61	4215601.78	3.04E-06	1.59E-06	4.64E-06	4.65E-07	2.42E-07	7.07E-07	2.10E-07	9.97E-08	3.09E-07
2761	570107.23	4215609.92	2.81E-06	1.47E-06	4.29E-06	4.30E-07	2.24E-07	6.54E-07	1.94E-07	9.22E-08	2.86E-07
2762	570105.5	4215619.77	2.63E-06	1.38E-06	4.00E-06	4.01E-07	2.09E-07	6.11E-07	1.81E-07	8.61E-08	2.67E-07
2763	570113.39	4215631.32	2.48E-06	1.30E-06	3.77E-06	3.78E-07	1.97E-07	5.76E-07	1.71E-07	8.12E-08	2.52E-07
2764	570111.65	4215641.17	2.32E-06	1.21E-06	3.54E-06	3.54E-07	1.85E-07	5.39E-07	1.60E-07	7.60E-08	2.36E-07
2765	570088.11	4215718.25	1.48E-06	7.74E-07	2.25E-06	2.26E-07	1.18E-07	3.44E-07	1.02E-07	4.84E-08	1.50E-07
2766	570097.74	4215719.95	1.49E-06	7.78E-07	2.27E-06	2.27E-07	1.18E-07	3.46E-07	1.03E-07	4.87E-08	1.51E-07

			T2		T2L3		T4f	
			1585	569973.51				
			5.88E-02	3.33E-02	8.97E-03	5.06E-03	4.05E-03	2.08E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	570176.21	4215488.81	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
2	570192.16	4215484.24	1.75E-02	9.92E-03	2.67E-03	1.51E-03	1.21E-03	6.21E-04
3	570208.67	4215476.96	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
4	570225.19	4215469.68	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
5	570241.7	4215462.41	2.60E-02	1.47E-02	3.97E-03	2.24E-03	1.79E-03	9.22E-04
6	570258.22	4215455.13	2.76E-02	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.78E-04
7	570179.28	4215498.07	1.37E-02	7.75E-03	2.09E-03	1.18E-03	9.43E-04	4.85E-04
8	570161.96	4215500.16	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
9	570196.19	4215493.39	1.56E-02	8.81E-03	2.37E-03	1.34E-03	1.07E-03	5.52E-04
10	570212.71	4215486.11	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
11	570229.22	4215478.83	2.10E-02	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.47E-04
12	570237.48	4215475.19	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.91E-04
13	570253.99	4215467.92	2.44E-02	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
14	570183.72	4215507.17	1.24E-02	7.00E-03	1.89E-03	1.07E-03	8.52E-04	4.38E-04
15	570167.23	4215509.17	1.12E-02	6.34E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
16	570150.74	4215511.16	1.02E-02	5.77E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
17	570200.22	4215502.54	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
18	570216.74	4215495.26	1.64E-02	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
19	570225	4215491.62	1.78E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
20	570241.51	4215484.35	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.39E-03	7.14E-04
21	570249.77	4215480.71	2.12E-02	1.20E-02	3.23E-03	1.82E-03	1.46E-03	7.50E-04
22	570266.28	4215473.43	2.28E-02	1.29E-02	3.48E-03	1.97E-03	1.57E-03	8.09E-04
23	570188.06	4215516.29	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
24	570172.19	4215518.2	1.02E-02	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
25	570156.32	4215520.12	9.32E-03	5.28E-03	1.42E-03	8.03E-04	6.42E-04	3.31E-04
26	570140.45	4215522.04	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
27	570204.25	4215511.69	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
28	570220.77	4215504.41	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
29	570237.29	4215497.14	1.73E-02	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
30	570253.8	4215489.86	1.92E-02	1.09E-02	2.93E-03	1.66E-03	1.32E-03	6.82E-04
31	570262.06	4215486.22	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
32	570191.37	4215525.53	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.11E-04	3.66E-04
33	570174.06	4215527.62	9.18E-03	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
34	570156.75	4215529.71	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
35	570139.43	4215531.8	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
36	570208.29	4215520.84	1.18E-02	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
37	570216.55	4215517.2	1.28E-02	7.22E-03	1.95E-03	1.10E-03	8.79E-04	4.52E-04
38	570233.06	4215509.93	1.48E-02	8.36E-03	2.25E-03	1.27E-03	1.02E-03	5.24E-04
39	570249.58	4215502.65	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
40	570266.09	4215495.37	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
41	570274.35	4215491.73	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
42	570195.73	4215534.64	9.57E-03	5.42E-03	1.46E-03	8.24E-04	6.59E-04	3.39E-04
43	570179.05	4215536.65	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
44	570162.38	4215538.66	7.82E-03	4.43E-03	1.19E-03	6.74E-04	5.39E-04	2.77E-04
45	570145.71	4215540.68	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
46	570212.32	4215529.99	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
47	570228.84	4215522.72	1.26E-02	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
48	570245.35	4215515.44	1.45E-02	8.19E-03	2.21E-03	1.25E-03	9.96E-04	5.13E-04

49	570261.87	4215508.16	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
50	570278.38	4215500.88	1.75E-02	9.93E-03	2.68E-03	1.51E-03	1.21E-03	6.22E-04
51	570200.02	4215543.76	8.90E-03	5.04E-03	1.36E-03	7.67E-04	6.14E-04	3.16E-04
52	570183.86	4215545.71	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
53	570167.7	4215547.66	7.32E-03	4.15E-03	1.12E-03	6.31E-04	5.04E-04	2.60E-04
54	570151.54	4215549.61	6.76E-03	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
55	570135.38	4215551.56	6.29E-03	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
56	570216.35	4215539.14	1.01E-02	5.73E-03	1.55E-03	8.72E-04	6.97E-04	3.59E-04
57	570232.87	4215531.87	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
58	570241.13	4215528.23	1.25E-02	7.08E-03	1.91E-03	1.08E-03	8.61E-04	4.43E-04
59	570257.64	4215520.95	1.41E-02	8.01E-03	2.16E-03	1.22E-03	9.75E-04	5.02E-04
60	570274.16	4215513.67	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
61	570203.47	4215552.98	8.27E-03	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
62	570186.16	4215555.07	7.44E-03	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
63	570168.84	4215557.16	6.73E-03	3.82E-03	1.03E-03	5.80E-04	4.64E-04	2.39E-04
64	570151.53	4215559.25	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
65	570134.22	4215561.34	5.74E-03	3.25E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
66	570220.38	4215548.29	9.43E-03	5.34E-03	1.44E-03	8.13E-04	6.50E-04	3.35E-04
67	570228.64	4215544.66	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
68	570245.16	4215537.38	1.16E-02	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
69	570253.42	4215533.74	1.24E-02	7.02E-03	1.89E-03	1.07E-03	8.53E-04	4.39E-04
70	570269.93	4215526.46	1.38E-02	7.81E-03	2.11E-03	1.19E-03	9.50E-04	4.89E-04
71	570286.45	4215519.18	1.50E-02	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
72	570207.77	4215562.1	7.78E-03	4.41E-03	1.19E-03	6.70E-04	5.36E-04	2.76E-04
73	570190.98	4215564.13	7.03E-03	3.98E-03	1.07E-03	6.05E-04	4.84E-04	2.49E-04
74	570174.19	4215566.15	6.36E-03	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.25E-04
75	570157.4	4215568.18	5.86E-03	3.32E-03	8.94E-04	5.05E-04	4.03E-04	2.08E-04
76	570140.61	4215570.21	5.43E-03	3.08E-03	8.29E-04	4.68E-04	3.74E-04	1.93E-04
77	570224.42	4215557.45	8.82E-03	5.00E-03	1.35E-03	7.60E-04	6.08E-04	3.13E-04
78	570240.93	4215550.17	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
79	570257.45	4215542.89	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
80	570273.96	4215535.61	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
81	570282.22	4215531.97	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.25E-04	4.76E-04
82	570211.27	4215571.31	7.30E-03	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
83	570193.44	4215573.47	6.56E-03	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
84	570175.6	4215575.62	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
85	570157.76	4215577.77	5.41E-03	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
86	570139.92	4215579.93	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
87	570220.19	4215570.24	7.70E-03	4.36E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
88	570236.71	4215562.96	8.86E-03	5.02E-03	1.35E-03	7.64E-04	6.11E-04	3.14E-04
89	570253.22	4215555.68	1.01E-02	5.72E-03	1.54E-03	8.70E-04	6.96E-04	3.58E-04
90	570269.74	4215548.4	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
91	570286.25	4215541.12	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
92	570215.57	4215580.43	6.89E-03	3.91E-03	1.05E-03	5.94E-04	4.75E-04	2.45E-04
93	570198.25	4215582.52	6.23E-03	3.53E-03	9.52E-04	5.37E-04	4.29E-04	2.21E-04
94	570180.94	4215584.61	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
95	570163.63	4215586.7	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
96	570146.32	4215588.79	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
97	570129	4215590.88	4.46E-03	2.52E-03	6.81E-04	3.84E-04	3.07E-04	1.58E-04
98	570232.48	4215575.75	7.75E-03	4.39E-03	1.18E-03	6.68E-04	5.34E-04	2.75E-04
99	570249	4215568.47	8.83E-03	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
100	570265.51	4215561.19	9.96E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04

101	570282.03	4215553.91	1.11E-02	6.29E-03	1.70E-03	9.57E-04	7.65E-04	3.94E-04
102	570290.29	4215550.28	1.16E-02	6.60E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
103	570298.54	4215546.64	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
104	570219.82	4215589.56	6.49E-03	3.68E-03	9.92E-04	5.60E-04	4.48E-04	2.30E-04
105	570202.95	4215591.59	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
106	570186.08	4215593.63	5.37E-03	3.04E-03	8.20E-04	4.63E-04	3.70E-04	1.90E-04
107	570169.21	4215595.67	4.90E-03	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
108	570152.35	4215597.7	4.55E-03	2.58E-03	6.94E-04	3.92E-04	3.13E-04	1.61E-04
109	570135.48	4215599.74	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
110	570236.51	4215584.9	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
111	570253.03	4215577.62	8.14E-03	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
112	570261.29	4215573.98	8.65E-03	4.90E-03	1.32E-03	7.45E-04	5.96E-04	3.07E-04
113	570277.8	4215566.7	9.72E-03	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
114	570294.32	4215559.43	1.08E-02	6.12E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
115	570223.41	4215598.76	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
116	570205.65	4215600.9	5.54E-03	3.14E-03	8.46E-04	4.77E-04	3.82E-04	1.97E-04
117	570187.9	4215603.05	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
118	570170.14	4215605.19	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
119	570161.26	4215606.26	4.40E-03	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
120	570143.5	4215608.41	4.09E-03	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
121	570125.75	4215610.55	3.86E-03	2.19E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04
122	570232.29	4215597.69	6.32E-03	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
123	570248.8	4215590.41	7.12E-03	4.03E-03	1.09E-03	6.13E-04	4.90E-04	2.52E-04
124	570265.32	4215583.13	7.49E-03	4.24E-03	1.14E-03	6.45E-04	5.16E-04	2.66E-04
125	570281.84	4215575.85	8.99E-03	5.09E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
126	570290.09	4215572.22	9.49E-03	5.38E-03	1.45E-03	8.18E-04	6.54E-04	3.37E-04
127	570298.35	4215568.58	9.99E-03	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.54E-04
128	570227.67	4215607.88	5.69E-03	3.23E-03	8.70E-04	4.91E-04	3.92E-04	2.02E-04
129	570210.35	4215609.97	5.26E-03	2.98E-03	8.03E-04	4.53E-04	3.62E-04	1.87E-04
130	570193.04	4215612.07	4.80E-03	2.72E-03	7.33E-04	4.14E-04	3.31E-04	1.70E-04
131	570175.73	4215614.16	4.38E-03	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
132	570158.41	4215616.25	4.06E-03	2.30E-03	6.20E-04	3.50E-04	2.80E-04	1.44E-04
133	570141.1	4215618.34	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
134	570123.79	4215620.43	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
135	570244.58	4215603.2	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
136	570261.1	4215595.92	6.52E-03	3.69E-03	9.95E-04	5.62E-04	4.49E-04	2.31E-04
137	570277.61	4215588.64	7.31E-03	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
138	570294.13	4215581.37	8.29E-03	4.70E-03	1.27E-03	7.14E-04	5.71E-04	2.94E-04
139	570302.38	4215577.73	8.89E-03	5.03E-03	1.36E-03	7.66E-04	6.12E-04	3.15E-04
140	570231.89	4215617.01	5.35E-03	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
141	570214.96	4215619.06	4.99E-03	2.83E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
142	570198.03	4215621.1	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
143	570181.11	4215623.14	4.19E-03	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
144	570164.18	4215625.19	3.88E-03	2.20E-03	5.93E-04	3.34E-04	2.67E-04	1.38E-04
145	570147.25	4215627.23	3.63E-03	2.06E-03	5.55E-04	3.13E-04	2.50E-04	1.29E-04
146	570130.32	4215629.28	3.44E-03	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
147	570248.61	4215612.35	5.50E-03	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
148	570256.87	4215608.71	5.76E-03	3.26E-03	8.80E-04	4.96E-04	3.97E-04	2.04E-04
149	570273.39	4215601.43	6.42E-03	3.64E-03	9.81E-04	5.53E-04	4.43E-04	2.28E-04
150	570289.9	4215594.16	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
151	570298.16	4215590.52	7.65E-03	4.34E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
152	570314.67	4215583.24	8.67E-03	4.91E-03	1.32E-03	7.47E-04	5.97E-04	3.08E-04

153	570235.54	4215626.21	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
154	570226.69	4215627.28	4.86E-03	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
155	570208.99	4215629.41	4.49E-03	2.54E-03	6.85E-04	3.87E-04	3.09E-04	1.59E-04
156	570191.29	4215631.55	4.11E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
157	570173.6	4215633.69	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
158	570164.75	4215634.76	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
159	570147.05	4215636.89	3.41E-03	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
160	570129.35	4215639.03	3.23E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
161	570252.64	4215621.5	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
162	570269.16	4215614.22	5.66E-03	3.21E-03	8.65E-04	4.88E-04	3.90E-04	2.01E-04
163	570285.68	4215606.95	6.36E-03	3.61E-03	9.72E-04	5.48E-04	4.39E-04	2.26E-04
164	570302.19	4215599.67	7.18E-03	4.07E-03	1.10E-03	6.19E-04	4.95E-04	2.55E-04
165	570318.71	4215592.39	8.08E-03	4.58E-03	1.23E-03	6.96E-04	5.57E-04	2.86E-04
166	570239.76	4215635.34	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
167	570222.45	4215637.43	4.45E-03	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
168	570205.14	4215639.52	4.09E-03	2.32E-03	6.25E-04	3.52E-04	2.82E-04	1.45E-04
169	570187.82	4215641.61	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
170	570170.51	4215643.7	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
171	570153.2	4215645.79	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
172	570135.88	4215647.88	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
173	570118.57	4215649.97	2.95E-03	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
174	570256.68	4215630.65	5.22E-03	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
175	570273.19	4215623.38	5.39E-03	3.05E-03	8.22E-04	4.64E-04	3.71E-04	1.91E-04
176	570281.45	4215619.74	5.67E-03	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
177	570297.97	4215612.46	6.34E-03	3.59E-03	9.68E-04	5.46E-04	4.37E-04	2.25E-04
178	570306.22	4215608.82	6.76E-03	3.83E-03	1.03E-03	5.82E-04	4.66E-04	2.40E-04
179	570314.48	4215605.18	7.18E-03	4.06E-03	1.10E-03	6.18E-04	4.94E-04	2.55E-04
180	570243.96	4215644.47	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
181	570226.99	4215646.52	4.23E-03	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
182	570210.02	4215648.57	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
183	570193.04	4215650.62	3.60E-03	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
184	570176.07	4215652.67	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
185	570159.1	4215654.71	3.14E-03	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
186	570142.12	4215656.76	2.97E-03	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
187	570125.15	4215658.81	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
188	570260.71	4215639.8	4.93E-03	2.79E-03	7.53E-04	4.25E-04	3.40E-04	1.75E-04
189	570268.97	4215636.17	5.20E-03	2.95E-03	7.94E-04	4.48E-04	3.59E-04	1.85E-04
190	570277.22	4215632.53	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
191	570293.74	4215625.25	5.69E-03	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
192	570310.26	4215617.97	6.39E-03	3.62E-03	9.75E-04	5.50E-04	4.40E-04	2.27E-04
193	570326.77	4215610.69	7.42E-03	4.21E-03	1.13E-03	6.40E-04	5.12E-04	2.63E-04
194	570247.66	4215653.66	4.29E-03	2.43E-03	6.55E-04	3.70E-04	2.96E-04	1.52E-04
195	570230.01	4215655.79	3.98E-03	2.26E-03	6.08E-04	3.43E-04	2.74E-04	1.41E-04
196	570212.35	4215657.92	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
197	570194.7	4215660.05	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
198	570177.05	4215662.19	3.15E-03	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
199	570159.4	4215664.32	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
200	570141.74	4215666.45	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.93E-04	9.96E-05
201	570124.09	4215668.58	2.68E-03	1.52E-03	4.09E-04	2.31E-04	1.84E-04	9.50E-05
202	570264.74	4215648.95	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
203	570281.26	4215641.68	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
204	570297.77	4215634.4	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04

205	570314.29	4215627.12	6.36E-03	3.60E-03	9.70E-04	5.48E-04	4.38E-04	2.25E-04
206	570330.8	4215619.84	6.98E-03	3.95E-03	1.07E-03	6.01E-04	4.81E-04	2.48E-04
207	570251.86	4215662.79	4.07E-03	2.31E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
208	570234.55	4215664.88	3.78E-03	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04
209	570217.23	4215666.97	3.50E-03	1.98E-03	5.35E-04	3.02E-04	2.41E-04	1.24E-04
210	570199.92	4215669.06	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
211	570182.61	4215671.15	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
212	570165.29	4215673.24	2.85E-03	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
213	570147.98	4215675.33	2.71E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.60E-05
214	570130.67	4215677.42	2.58E-03	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
215	570113.36	4215679.51	2.47E-03	1.40E-03	3.78E-04	2.13E-04	1.70E-04	8.77E-05
216	570268.77	4215658.11	4.44E-03	2.51E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
217	570277.03	4215654.47	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
218	570293.55	4215647.19	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
219	570310.06	4215639.91	5.71E-03	3.23E-03	8.72E-04	4.92E-04	3.93E-04	2.03E-04
220	570326.58	4215632.63	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
221	570256.04	4215671.92	3.85E-03	2.18E-03	5.88E-04	3.32E-04	2.65E-04	1.37E-04
222	570239.03	4215673.98	3.58E-03	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
223	570222.03	4215676.03	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
224	570205.02	4215678.08	3.11E-03	1.76E-03	4.74E-04	2.68E-04	2.14E-04	1.10E-04
225	570188.01	4215680.14	2.91E-03	1.65E-03	4.44E-04	2.50E-04	2.00E-04	1.03E-04
226	570171	4215682.19	2.74E-03	1.55E-03	4.18E-04	2.36E-04	1.89E-04	9.71E-05
227	570153.99	4215684.24	2.60E-03	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
228	570136.98	4215686.3	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
229	570119.97	4215688.35	2.39E-03	1.35E-03	3.64E-04	2.06E-04	1.64E-04	8.47E-05
230	570272.81	4215667.26	4.21E-03	2.38E-03	6.43E-04	3.63E-04	2.90E-04	1.49E-04
231	570281.06	4215663.62	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
232	570297.58	4215656.34	4.90E-03	2.77E-03	7.48E-04	4.22E-04	3.38E-04	1.74E-04
233	570305.84	4215652.7	5.14E-03	2.91E-03	7.86E-04	4.43E-04	3.55E-04	1.82E-04
234	570314.1	4215649.06	5.40E-03	3.06E-03	8.24E-04	4.65E-04	3.72E-04	1.92E-04
235	570330.61	4215641.78	5.93E-03	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.10E-04
236	570338.87	4215638.15	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
237	570259.77	4215681.11	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
238	570242.16	4215683.24	3.37E-03	1.91E-03	5.15E-04	2.91E-04	2.32E-04	1.20E-04
239	570224.54	4215685.36	3.14E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
240	570206.92	4215687.49	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
241	570189.31	4215689.62	2.75E-03	1.56E-03	4.19E-04	2.37E-04	1.89E-04	9.74E-05
242	570171.69	4215691.75	2.59E-03	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.20E-05
243	570154.07	4215693.87	2.47E-03	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
244	570136.46	4215696	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
245	570118.84	4215698.13	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
246	570276.84	4215676.41	3.98E-03	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
247	570285.1	4215672.77	4.19E-03	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
248	570293.35	4215669.13	4.41E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
249	570309.87	4215661.85	4.87E-03	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
250	570318.13	4215658.21	5.11E-03	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
251	570334.64	4215650.94	5.60E-03	3.17E-03	8.55E-04	4.83E-04	3.86E-04	1.99E-04
252	570263.96	4215690.24	3.43E-03	1.94E-03	5.24E-04	2.95E-04	2.36E-04	1.22E-04
253	570246.64	4215692.33	3.19E-03	1.81E-03	4.87E-04	2.75E-04	2.20E-04	1.13E-04
254	570229.33	4215694.42	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
255	570212.02	4215696.51	2.79E-03	1.58E-03	4.26E-04	2.40E-04	1.92E-04	9.90E-05
256	570194.71	4215698.6	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05

257	570177.39	4215700.69	2.50E-03	1.42E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
258	570160.08	4215702.79	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.44E-05
259	570142.77	4215704.88	2.28E-03	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.07E-05
260	570125.45	4215706.97	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
261	570108.14	4215709.06	2.11E-03	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.48E-05
262	570280.87	4215685.56	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
263	570297.39	4215678.28	4.16E-03	2.36E-03	6.35E-04	3.59E-04	2.87E-04	1.48E-04
264	570305.64	4215674.64	4.38E-03	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
265	570322.16	4215667.36	4.83E-03	2.73E-03	7.37E-04	4.16E-04	3.33E-04	1.71E-04
266	570330.42	4215663.73	5.05E-03	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
267	570346.93	4215656.45	5.51E-03	3.12E-03	8.41E-04	4.74E-04	3.79E-04	1.95E-04
268	570267.7	4215699.43	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
269	570249.81	4215701.59	3.00E-03	1.70E-03	4.58E-04	2.59E-04	2.07E-04	1.06E-04
270	570231.92	4215703.75	2.80E-03	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
271	570222.98	4215704.83	2.71E-03	1.54E-03	4.14E-04	2.33E-04	1.87E-04	9.61E-05
272	570214.03	4215705.91	2.63E-03	1.49E-03	4.01E-04	2.27E-04	1.81E-04	9.33E-05
273	570196.14	4215708.07	2.49E-03	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.84E-05
274	570178.25	4215710.23	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.43E-05
275	570169.31	4215711.31	2.32E-03	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
276	570151.42	4215713.47	2.22E-03	1.26E-03	3.38E-04	1.91E-04	1.53E-04	7.86E-05
277	570133.53	4215715.63	2.12E-03	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
278	570115.63	4215717.79	2.05E-03	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.26E-05
279	570284.9	4215694.71	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
280	570293.16	4215691.07	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
281	570309.68	4215683.79	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
282	570317.94	4215680.15	4.34E-03	2.46E-03	6.63E-04	3.74E-04	2.99E-04	1.54E-04
283	570334.45	4215672.88	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
284	570342.71	4215669.24	4.98E-03	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
285	570282.22	4215444.01	2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.94E-03	9.97E-04
286	570275.56	4215450.77	2.73E-02	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04
287	570268.91	4215457.52	2.63E-02	1.49E-02	4.02E-03	2.27E-03	1.81E-03	9.34E-04
288	570298.64	4215440.59	2.68E-02	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
289	570292.17	4215447.16	2.64E-02	1.50E-02	4.03E-03	2.28E-03	1.82E-03	9.37E-04
290	570285.7	4215453.73	2.58E-02	1.46E-02	3.95E-03	2.23E-03	1.78E-03	9.16E-04
291	570279.23	4215460.29	2.51E-02	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.89E-04
292	570272.76	4215466.86	2.41E-02	1.36E-02	3.68E-03	2.07E-03	1.66E-03	8.54E-04
293	570308.28	4215444.05	2.53E-02	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.98E-04
294	570301.95	4215450.47	2.50E-02	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
295	570295.63	4215456.89	2.44E-02	1.39E-02	3.73E-03	2.11E-03	1.68E-03	8.67E-04
296	570289.3	4215463.31	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.45E-04
297	570276.64	4215476.16	2.20E-02	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.79E-04
298	570322.67	4215442.69	2.40E-02	1.36E-02	3.67E-03	2.07E-03	1.66E-03	8.53E-04
299	570315.77	4215449.7	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
300	570308.86	4215456.7	2.35E-02	1.33E-02	3.59E-03	2.02E-03	1.62E-03	8.33E-04
301	570301.96	4215463.71	2.29E-02	1.30E-02	3.50E-03	1.98E-03	1.58E-03	8.14E-04
302	570295.06	4215470.71	2.22E-02	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.88E-04
303	570288.15	4215477.72	2.13E-02	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.55E-04
304	570281.25	4215484.73	2.02E-02	1.15E-02	3.09E-03	1.74E-03	1.39E-03	7.18E-04
305	570338.95	4215439.41	2.25E-02	1.28E-02	3.44E-03	1.94E-03	1.55E-03	7.98E-04
306	570332.22	4215446.24	2.26E-02	1.28E-02	3.46E-03	1.95E-03	1.56E-03	8.03E-04
307	570325.49	4215453.07	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
308	570318.76	4215459.9	2.23E-02	1.26E-02	3.41E-03	1.92E-03	1.54E-03	7.91E-04

309	570312.03	4215466.73	2.19E-02	1.24E-02	3.34E-03	1.88E-03	1.51E-03	7.76E-04
310	570305.3	4215473.56	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
311	570298.57	4215480.39	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
312	570291.84	4215487.22	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
313	570285.11	4215494.05	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
314	570355.74	4215398.93	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.02E-04
315	570355.53	4215408.32	2.22E-02	1.26E-02	3.38E-03	1.91E-03	1.53E-03	7.86E-04
316	570355.32	4215417.7	2.18E-02	1.24E-02	3.33E-03	1.88E-03	1.50E-03	7.74E-04
317	570348.3	4215443.16	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.46E-03	7.54E-04
318	570341.72	4215449.85	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
319	570335.13	4215456.54	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
320	570328.54	4215463.22	2.12E-02	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.53E-04
321	570321.95	4215469.91	2.09E-02	1.18E-02	3.19E-03	1.80E-03	1.44E-03	7.40E-04
322	570315.36	4215476.6	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
323	570308.77	4215483.28	1.98E-02	1.12E-02	3.02E-03	1.70E-03	1.36E-03	7.01E-04
324	570302.18	4215489.97	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
325	570295.59	4215496.66	1.81E-02	1.03E-02	2.76E-03	1.56E-03	1.25E-03	6.42E-04
326	570289	4215503.35	1.72E-02	9.73E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
327	570365.14	4215394.28	2.16E-02	1.23E-02	3.30E-03	1.86E-03	1.49E-03	7.67E-04
328	570364.93	4215403.5	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
329	570364.73	4215412.72	2.10E-02	1.19E-02	3.20E-03	1.81E-03	1.44E-03	7.43E-04
330	570357.63	4215446.94	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.15E-04
331	570351.16	4215453.51	2.04E-02	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
332	570344.69	4215460.07	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
333	570338.22	4215466.64	2.03E-02	1.15E-02	3.09E-03	1.75E-03	1.40E-03	7.19E-04
334	570331.75	4215473.21	2.00E-02	1.13E-02	3.05E-03	1.72E-03	1.38E-03	7.08E-04
335	570325.27	4215479.78	1.96E-02	1.11E-02	2.99E-03	1.68E-03	1.35E-03	6.94E-04
336	570318.8	4215486.35	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
337	570312.33	4215492.91	1.84E-02	1.04E-02	2.81E-03	1.58E-03	1.27E-03	6.52E-04
338	570305.86	4215499.48	1.76E-02	9.98E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
339	570299.39	4215506.05	1.68E-02	9.52E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
340	570292.92	4215512.62	1.59E-02	9.02E-03	2.43E-03	1.37E-03	1.10E-03	5.65E-04
341	570374.42	4215395.11	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
342	570374.2	4215404.94	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.16E-04
343	570373.98	4215414.77	1.99E-02	1.13E-02	3.04E-03	1.72E-03	1.37E-03	7.07E-04
344	570366.41	4215451.27	1.92E-02	1.09E-02	2.93E-03	1.65E-03	1.32E-03	6.81E-04
345	570359.51	4215458.28	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
346	570352.6	4215465.29	1.95E-02	1.10E-02	2.97E-03	1.68E-03	1.34E-03	6.91E-04
347	570345.7	4215472.29	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
348	570338.8	4215479.3	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
349	570331.9	4215486.3	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
350	570324.99	4215493.31	1.80E-02	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
351	570318.09	4215500.31	1.73E-02	9.82E-03	2.65E-03	1.49E-03	1.19E-03	6.15E-04
352	570311.19	4215507.32	1.66E-02	9.38E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
353	570304.28	4215514.32	1.57E-02	8.91E-03	2.40E-03	1.36E-03	1.08E-03	5.58E-04
354	570297.38	4215521.33	1.48E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
355	570383.83	4215390.31	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
356	570383.61	4215399.95	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.87E-04
357	570383.39	4215409.59	1.91E-02	1.08E-02	2.92E-03	1.65E-03	1.32E-03	6.79E-04
358	570382.74	4215438.52	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
359	570375.75	4215455.04	1.83E-02	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.48E-04
360	570368.98	4215461.91	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04

361	570362.21	4215468.78	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
362	570355.44	4215475.65	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04
363	570348.67	4215482.52	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
364	570341.9	4215489.39	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
365	570335.13	4215496.26	1.74E-02	9.86E-03	2.66E-03	1.50E-03	1.20E-03	6.18E-04
366	570328.36	4215503.13	1.68E-02	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
367	570321.59	4215510	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
368	570314.82	4215516.87	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
369	570308.05	4215523.74	1.46E-02	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
370	570301.28	4215530.61	1.38E-02	7.83E-03	2.11E-03	1.19E-03	9.53E-04	4.90E-04
371	570393.01	4215395.17	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
372	570392.8	4215404.66	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
373	570392.59	4215414.14	1.82E-02	1.03E-02	2.77E-03	1.57E-03	1.25E-03	6.44E-04
374	570391.95	4215442.58	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
375	570385.08	4215458.82	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
376	570378.42	4215465.57	1.76E-02	9.99E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
377	570371.76	4215472.33	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
378	570365.11	4215479.08	1.76E-02	1.00E-02	2.69E-03	1.52E-03	1.22E-03	6.26E-04
379	570358.45	4215485.84	1.75E-02	9.91E-03	2.67E-03	1.51E-03	1.21E-03	6.20E-04
380	570351.79	4215492.59	1.72E-02	9.75E-03	2.63E-03	1.48E-03	1.19E-03	6.11E-04
381	570345.14	4215499.35	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
382	570338.48	4215506.1	1.63E-02	9.23E-03	2.49E-03	1.40E-03	1.12E-03	5.78E-04
383	570331.83	4215512.86	1.57E-02	8.89E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
384	570325.17	4215519.62	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
385	570318.51	4215526.37	1.43E-02	8.10E-03	2.18E-03	1.23E-03	9.86E-04	5.07E-04
386	570311.86	4215533.13	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
387	570305.2	4215539.88	1.29E-02	7.31E-03	1.97E-03	1.11E-03	8.89E-04	4.58E-04
388	570402.42	4215390.57	1.77E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
389	570402.21	4215399.91	1.76E-02	9.97E-03	2.69E-03	1.52E-03	1.21E-03	6.24E-04
390	570401.99	4215409.25	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
391	570401.15	4215446.62	1.66E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
392	570394.38	4215462.61	1.66E-02	9.42E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
393	570387.83	4215469.27	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
394	570381.27	4215475.92	1.69E-02	9.57E-03	2.58E-03	1.46E-03	1.16E-03	5.99E-04
395	570374.71	4215482.58	1.69E-02	9.56E-03	2.58E-03	1.45E-03	1.16E-03	5.99E-04
396	570368.15	4215489.24	1.68E-02	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
397	570361.6	4215495.89	1.65E-02	9.37E-03	2.53E-03	1.42E-03	1.14E-03	5.87E-04
398	570355.04	4215502.55	1.62E-02	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
399	570348.48	4215509.2	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
400	570341.92	4215515.86	1.53E-02	8.64E-03	2.33E-03	1.31E-03	1.05E-03	5.41E-04
401	570335.36	4215522.51	1.47E-02	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
402	570328.81	4215529.17	1.40E-02	7.94E-03	2.14E-03	1.21E-03	9.66E-04	4.97E-04
403	570322.25	4215535.82	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
404	570315.69	4215542.48	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.51E-04
405	570309.13	4215549.13	1.20E-02	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.27E-04
406	570411.7	4215391.03	1.69E-02	9.59E-03	2.58E-03	1.46E-03	1.17E-03	6.00E-04
407	570411.48	4215400.86	1.68E-02	9.51E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
408	570411.26	4215410.69	1.67E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.91E-04
409	570410.59	4215440.19	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
410	570410.37	4215450.02	1.59E-02	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
411	570403.25	4215466.86	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.09E-03	5.63E-04
412	570396.34	4215473.87	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04

413	570389.44	4215480.87	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
414	570382.54	4215487.88	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
415	570375.64	4215494.88	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.68E-04
416	570368.73	4215501.89	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.59E-04
417	570361.83	4215508.89	1.54E-02	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
418	570354.93	4215515.9	1.50E-02	8.52E-03	2.30E-03	1.30E-03	1.04E-03	5.33E-04
419	570348.03	4215522.91	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
420	570341.12	4215529.91	1.39E-02	7.88E-03	2.12E-03	1.20E-03	9.59E-04	4.94E-04
421	570334.22	4215536.92	1.33E-02	7.53E-03	2.03E-03	1.15E-03	9.16E-04	4.71E-04
422	570327.32	4215543.92	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
423	570320.41	4215550.93	1.20E-02	6.77E-03	1.82E-03	1.03E-03	8.23E-04	4.24E-04
424	570313.51	4215557.93	1.12E-02	6.37E-03	1.72E-03	9.69E-04	7.75E-04	3.99E-04
425	570421.11	4215386.32	1.62E-02	9.18E-03	2.47E-03	1.40E-03	1.12E-03	5.75E-04
426	570420.89	4215396	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
427	570420.67	4215405.68	1.60E-02	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
428	570420.45	4215415.36	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
429	570419.8	4215444.39	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
430	570419.58	4215454.07	1.52E-02	8.60E-03	2.32E-03	1.31E-03	1.05E-03	5.39E-04
431	570412.56	4215470.65	1.52E-02	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
432	570405.77	4215477.54	1.53E-02	8.66E-03	2.33E-03	1.32E-03	1.05E-03	5.42E-04
433	570398.98	4215484.44	1.54E-02	8.71E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
434	570392.18	4215491.34	1.54E-02	8.73E-03	2.35E-03	1.33E-03	1.06E-03	5.47E-04
435	570385.39	4215498.23	1.54E-02	8.71E-03	2.35E-03	1.32E-03	1.06E-03	5.45E-04
436	570378.59	4215505.13	1.52E-02	8.59E-03	2.31E-03	1.31E-03	1.04E-03	5.38E-04
437	570371.8	4215512.02	1.49E-02	8.42E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
438	570365	4215518.92	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
439	570358.21	4215525.82	1.41E-02	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
440	570351.41	4215532.71	1.36E-02	7.70E-03	2.08E-03	1.17E-03	9.37E-04	4.82E-04
441	570344.62	4215539.61	1.30E-02	7.38E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
442	570337.82	4215546.51	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
443	570331.03	4215553.4	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.12E-04	4.18E-04
444	570324.23	4215560.3	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
445	570317.44	4215567.19	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
446	570430.51	4215381.76	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
447	570430.29	4215391.3	1.55E-02	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
448	570430.08	4215400.85	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
449	570429.86	4215410.39	1.53E-02	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
450	570429.22	4215439.02	1.49E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
451	570429	4215448.56	1.47E-02	8.32E-03	2.24E-03	1.27E-03	1.01E-03	5.21E-04
452	570428.78	4215458.11	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
453	570421.87	4215474.45	1.44E-02	8.17E-03	2.20E-03	1.24E-03	9.94E-04	5.12E-04
454	570415.17	4215481.25	1.46E-02	8.26E-03	2.23E-03	1.26E-03	1.01E-03	5.17E-04
455	570408.47	4215488.05	1.47E-02	8.32E-03	2.24E-03	1.26E-03	1.01E-03	5.21E-04
456	570401.77	4215494.85	1.47E-02	8.34E-03	2.25E-03	1.27E-03	1.01E-03	5.22E-04
457	570395.07	4215501.65	1.47E-02	8.31E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
458	570388.37	4215508.45	1.45E-02	8.23E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
459	570381.67	4215515.25	1.43E-02	8.11E-03	2.19E-03	1.23E-03	9.86E-04	5.08E-04
460	570374.97	4215522.04	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
461	570368.27	4215528.84	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
462	570361.57	4215535.64	1.32E-02	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
463	570354.87	4215542.44	1.27E-02	7.20E-03	1.94E-03	1.10E-03	8.76E-04	4.51E-04
464	570348.17	4215549.24	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04

465	570341.47	4215556.04	1.16E-02	6.57E-03	1.77E-03	9.99E-04	7.99E-04	4.11E-04
466	570334.77	4215562.84	1.10E-02	6.23E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
467	570328.07	4215569.64	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
468	570321.37	4215576.44	9.70E-03	5.50E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
469	570439.69	4215386.74	1.48E-02	8.38E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
470	570439.48	4215396.16	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.24E-04
471	570439.27	4215405.59	1.47E-02	8.35E-03	2.25E-03	1.27E-03	1.02E-03	5.23E-04
472	570439.05	4215415.01	1.46E-02	8.29E-03	2.24E-03	1.26E-03	1.01E-03	5.19E-04
473	570438.42	4215443.28	1.42E-02	8.04E-03	2.17E-03	1.22E-03	9.78E-04	5.03E-04
474	570438.2	4215452.7	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
475	570437.99	4215462.12	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
476	570431.16	4215478.26	1.37E-02	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
477	570424.55	4215484.97	1.39E-02	7.86E-03	2.12E-03	1.20E-03	9.56E-04	4.92E-04
478	570417.93	4215491.69	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.64E-04	4.96E-04
479	570411.32	4215498.4	1.40E-02	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
480	570404.7	4215505.11	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
481	570398.09	4215511.83	1.39E-02	7.87E-03	2.12E-03	1.20E-03	9.58E-04	4.93E-04
482	570391.47	4215518.54	1.37E-02	7.78E-03	2.10E-03	1.18E-03	9.46E-04	4.87E-04
483	570384.86	4215525.25	1.35E-02	7.64E-03	2.06E-03	1.16E-03	9.30E-04	4.79E-04
484	570378.24	4215531.97	1.32E-02	7.45E-03	2.01E-03	1.13E-03	9.07E-04	4.67E-04
485	570371.63	4215538.68	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
486	570365.01	4215545.4	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
487	570358.4	4215552.11	1.19E-02	6.73E-03	1.81E-03	1.02E-03	8.19E-04	4.22E-04
488	570351.78	4215558.82	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.03E-04
489	570345.17	4215565.54	1.08E-02	6.13E-03	1.65E-03	9.32E-04	7.45E-04	3.84E-04
490	570338.55	4215572.25	1.02E-02	5.80E-03	1.56E-03	8.82E-04	7.05E-04	3.63E-04
491	570331.94	4215578.96	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
492	570325.32	4215585.68	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
493	570449.21	4215377.12	1.42E-02	8.03E-03	2.16E-03	1.22E-03	9.77E-04	5.03E-04
494	570448.98	4215386.95	1.42E-02	8.03E-03	2.17E-03	1.22E-03	9.77E-04	5.03E-04
495	570448.76	4215396.78	1.42E-02	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
496	570448.54	4215406.62	1.41E-02	7.99E-03	2.15E-03	1.22E-03	9.72E-04	5.00E-04
497	570448.32	4215416.45	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
498	570447.65	4215445.95	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
499	570447.43	4215455.78	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.24E-04	4.76E-04
500	570447.21	4215465.61	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
501	570440.09	4215482.45	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
502	570433.18	4215489.45	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
503	570426.28	4215496.46	1.33E-02	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.73E-04
504	570419.38	4215503.46	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
505	570412.47	4215510.47	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
506	570405.57	4215517.48	1.33E-02	7.52E-03	2.03E-03	1.14E-03	9.14E-04	4.71E-04
507	570398.67	4215524.48	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
508	570391.77	4215531.49	1.28E-02	7.28E-03	1.96E-03	1.11E-03	8.85E-04	4.56E-04
509	570384.86	4215538.49	1.25E-02	7.10E-03	1.91E-03	1.08E-03	8.63E-04	4.44E-04
510	570377.96	4215545.5	1.21E-02	6.88E-03	1.86E-03	1.05E-03	8.37E-04	4.31E-04
511	570371.06	4215552.5	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
512	570364.16	4215559.51	1.13E-02	6.38E-03	1.72E-03	9.70E-04	7.76E-04	3.99E-04
513	570357.25	4215566.51	1.08E-02	6.09E-03	1.64E-03	9.26E-04	7.41E-04	3.81E-04
514	570350.35	4215573.52	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
515	570343.45	4215580.53	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
516	570336.54	4215587.53	9.05E-03	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04

517	570329.64	4215594.54	8.48E-03	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
518	570458.61	4215372.61	1.36E-02	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
519	570458.39	4215382.31	1.36E-02	7.71E-03	2.08E-03	1.17E-03	9.38E-04	4.83E-04
520	570458.17	4215392.01	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
521	570457.95	4215401.72	1.35E-02	7.66E-03	2.06E-03	1.16E-03	9.31E-04	4.79E-04
522	570457.73	4215411.42	1.34E-02	7.61E-03	2.05E-03	1.16E-03	9.26E-04	4.77E-04
523	570457.07	4215440.53	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
524	570456.85	4215450.23	1.29E-02	7.34E-03	1.98E-03	1.12E-03	8.92E-04	4.59E-04
525	570456.64	4215459.93	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
526	570456.42	4215469.64	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
527	570449.39	4215486.25	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
528	570442.57	4215493.17	1.26E-02	7.13E-03	1.92E-03	1.09E-03	8.68E-04	4.47E-04
529	570435.76	4215500.08	1.27E-02	7.18E-03	1.94E-03	1.09E-03	8.74E-04	4.50E-04
530	570428.95	4215506.99	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.52E-04
531	570422.14	4215513.91	1.27E-02	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04
532	570415.33	4215520.82	1.27E-02	7.20E-03	1.94E-03	1.09E-03	8.76E-04	4.51E-04
533	570408.51	4215527.73	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
534	570401.7	4215534.65	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
535	570394.89	4215541.56	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
536	570388.08	4215548.47	1.18E-02	6.66E-03	1.80E-03	1.01E-03	8.11E-04	4.17E-04
537	570381.27	4215555.39	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
538	570374.45	4215562.3	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
539	570367.64	4215569.21	1.05E-02	5.96E-03	1.61E-03	9.06E-04	7.25E-04	3.73E-04
540	570360.83	4215576.13	1.00E-02	5.69E-03	1.53E-03	8.65E-04	6.92E-04	3.56E-04
541	570354.02	4215583.04	9.53E-03	5.40E-03	1.45E-03	8.21E-04	6.57E-04	3.38E-04
542	570347.21	4215589.95	9.00E-03	5.10E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
543	570340.4	4215596.87	8.46E-03	4.80E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
544	570333.58	4215603.78	7.94E-03	4.50E-03	1.21E-03	6.84E-04	5.47E-04	2.82E-04
545	570468	4215368.2	1.31E-02	7.44E-03	2.01E-03	1.13E-03	9.05E-04	4.66E-04
546	570467.79	4215377.78	1.31E-02	7.43E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
547	570467.57	4215387.37	1.31E-02	7.40E-03	1.99E-03	1.12E-03	9.00E-04	4.63E-04
548	570467.35	4215396.96	1.30E-02	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
549	570467.14	4215406.54	1.29E-02	7.30E-03	1.97E-03	1.11E-03	8.88E-04	4.57E-04
550	570466.92	4215416.13	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
551	570466.27	4215444.89	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
552	570466.06	4215454.48	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
553	570465.84	4215464.06	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
554	570465.62	4215473.65	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
555	570458.68	4215490.07	1.19E-02	6.71E-03	1.81E-03	1.02E-03	8.17E-04	4.20E-04
556	570451.95	4215496.9	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
557	570445.22	4215503.73	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
558	570438.49	4215510.56	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
559	570431.76	4215517.39	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
560	570425.03	4215524.22	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
561	570418.3	4215531.05	1.20E-02	6.82E-03	1.84E-03	1.04E-03	8.30E-04	4.27E-04
562	570411.57	4215537.88	1.19E-02	6.74E-03	1.82E-03	1.02E-03	8.19E-04	4.22E-04
563	570404.84	4215544.71	1.17E-02	6.60E-03	1.78E-03	1.00E-03	8.03E-04	4.13E-04
564	570398.11	4215551.54	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.04E-04
565	570391.38	4215558.37	1.10E-02	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
566	570384.65	4215565.2	1.07E-02	6.05E-03	1.63E-03	9.19E-04	7.35E-04	3.79E-04
567	570377.92	4215572.03	1.03E-02	5.82E-03	1.57E-03	8.85E-04	7.08E-04	3.64E-04
568	570371.18	4215578.86	9.84E-03	5.57E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04

569	570364.45	4215585.69	9.39E-03	5.32E-03	1.43E-03	8.09E-04	6.47E-04	3.33E-04
570	570357.72	4215592.52	8.91E-03	5.05E-03	1.36E-03	7.68E-04	6.14E-04	3.16E-04
571	570350.99	4215599.35	8.42E-03	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
572	570344.26	4215606.18	7.93E-03	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
573	570337.53	4215613.01	7.45E-03	4.22E-03	1.14E-03	6.42E-04	5.13E-04	2.64E-04
574	570477.4	4215363.88	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.72E-04	4.49E-04
575	570477.18	4215373.36	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.71E-04	4.48E-04
576	570476.97	4215382.84	1.26E-02	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
577	570476.76	4215392.32	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
578	570476.54	4215401.8	1.24E-02	7.03E-03	1.90E-03	1.07E-03	8.56E-04	4.40E-04
579	570476.33	4215411.28	1.23E-02	6.99E-03	1.88E-03	1.06E-03	8.50E-04	4.38E-04
580	570475.69	4215439.73	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
581	570475.47	4215449.21	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
582	570475.26	4215458.69	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.13E-04	4.18E-04
583	570475.04	4215468.17	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
584	570474.83	4215477.65	1.14E-02	6.46E-03	1.74E-03	9.82E-04	7.85E-04	4.04E-04
585	570467.96	4215493.89	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
586	570461.3	4215500.64	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.84E-04	4.04E-04
587	570454.65	4215507.4	1.15E-02	6.50E-03	1.75E-03	9.88E-04	7.90E-04	4.07E-04
588	570447.99	4215514.15	1.15E-02	6.54E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
589	570441.34	4215520.91	1.16E-02	6.56E-03	1.77E-03	9.97E-04	7.98E-04	4.11E-04
590	570434.68	4215527.66	1.16E-02	6.55E-03	1.76E-03	9.96E-04	7.96E-04	4.10E-04
591	570428.02	4215534.42	1.15E-02	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
592	570421.37	4215541.18	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
593	570414.71	4215547.93	1.12E-02	6.37E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
594	570408.05	4215554.69	1.10E-02	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
595	570401.4	4215561.44	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.80E-04
596	570394.74	4215568.2	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.14E-04	3.68E-04
597	570388.09	4215574.95	1.00E-02	5.67E-03	1.53E-03	8.62E-04	6.89E-04	3.55E-04
598	570381.43	4215581.71	9.62E-03	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
599	570374.77	4215588.46	9.21E-03	5.22E-03	1.41E-03	7.94E-04	6.35E-04	3.27E-04
600	570368.12	4215595.22	8.78E-03	4.97E-03	1.34E-03	7.57E-04	6.05E-04	3.11E-04
601	570361.46	4215601.97	8.34E-03	4.72E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
602	570354.81	4215608.73	7.89E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
603	570348.15	4215615.48	7.44E-03	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
604	570341.49	4215622.24	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
605	570486.71	4215363.21	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
606	570486.49	4215373.04	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
607	570486.27	4215382.87	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
608	570486.04	4215392.71	1.21E-02	6.83E-03	1.84E-03	1.04E-03	8.31E-04	4.28E-04
609	570485.82	4215402.54	1.20E-02	6.79E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
610	570485.6	4215412.37	1.19E-02	6.74E-03	1.82E-03	1.03E-03	8.20E-04	4.22E-04
611	570484.94	4215441.87	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
612	570484.71	4215451.7	1.15E-02	6.50E-03	1.75E-03	9.89E-04	7.91E-04	4.07E-04
613	570484.49	4215461.53	1.13E-02	6.42E-03	1.73E-03	9.76E-04	7.80E-04	4.02E-04
614	570484.27	4215471.37	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
615	570484.05	4215481.2	1.09E-02	6.19E-03	1.67E-03	9.41E-04	7.52E-04	3.87E-04
616	570476.92	4215498.04	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
617	570470.02	4215505.04	1.08E-02	6.14E-03	1.65E-03	9.34E-04	7.47E-04	3.84E-04
618	570463.12	4215512.05	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
619	570456.22	4215519.05	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
620	570449.31	4215526.06	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04

621	570442.41	4215533.06	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
622	570435.51	4215540.07	1.09E-02	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
623	570428.6	4215547.07	1.08E-02	6.14E-03	1.66E-03	9.34E-04	7.47E-04	3.85E-04
624	570421.7	4215554.08	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.79E-04
625	570414.8	4215561.08	1.05E-02	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
626	570407.9	4215568.09	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
627	570400.99	4215575.1	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
628	570394.09	4215582.1	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
629	570387.19	4215589.11	9.14E-03	5.18E-03	1.40E-03	7.88E-04	6.30E-04	3.24E-04
630	570380.29	4215596.11	8.74E-03	4.95E-03	1.33E-03	7.53E-04	6.02E-04	3.10E-04
631	570373.38	4215603.12	8.32E-03	4.72E-03	1.27E-03	7.17E-04	5.74E-04	2.95E-04
632	570366.48	4215610.12	7.90E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
633	570359.58	4215617.13	7.46E-03	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
634	570352.67	4215624.13	7.03E-03	3.98E-03	1.07E-03	6.06E-04	4.85E-04	2.49E-04
635	570345.77	4215631.14	6.61E-03	3.75E-03	1.01E-03	5.70E-04	4.56E-04	2.35E-04
636	570496.11	4215358.84	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.15E-04
637	570495.89	4215368.56	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.16E-04
638	570495.67	4215378.28	1.17E-02	6.63E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
639	570495.45	4215388	1.17E-02	6.61E-03	1.78E-03	1.00E-03	8.04E-04	4.14E-04
640	570495.23	4215397.72	1.16E-02	6.57E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
641	570495.01	4215407.44	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
642	570494.79	4215417.16	1.15E-02	6.49E-03	1.75E-03	9.87E-04	7.90E-04	4.06E-04
643	570494.13	4215446.32	1.11E-02	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
644	570493.91	4215456.04	1.10E-02	6.24E-03	1.68E-03	9.48E-04	7.59E-04	3.90E-04
645	570493.69	4215465.76	1.09E-02	6.15E-03	1.66E-03	9.35E-04	7.48E-04	3.85E-04
646	570493.47	4215475.49	1.07E-02	6.04E-03	1.63E-03	9.19E-04	7.35E-04	3.78E-04
647	570493.26	4215485.21	1.05E-02	5.92E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
648	570486.21	4215501.85	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.66E-04
649	570479.39	4215508.78	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
650	570472.56	4215515.7	1.04E-02	5.88E-03	1.58E-03	8.94E-04	7.15E-04	3.68E-04
651	570465.74	4215522.63	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
652	570458.91	4215529.56	1.05E-02	5.93E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
653	570452.09	4215536.48	1.05E-02	5.93E-03	1.60E-03	9.02E-04	7.21E-04	3.71E-04
654	570445.27	4215543.41	1.04E-02	5.92E-03	1.59E-03	9.00E-04	7.20E-04	3.71E-04
655	570438.44	4215550.33	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.15E-04	3.68E-04
656	570431.62	4215557.26	1.02E-02	5.81E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
657	570424.79	4215564.19	1.01E-02	5.71E-03	1.54E-03	8.68E-04	6.94E-04	3.57E-04
658	570417.97	4215571.11	9.86E-03	5.58E-03	1.51E-03	8.49E-04	6.79E-04	3.50E-04
659	570411.14	4215578.04	9.59E-03	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
660	570404.32	4215584.96	9.27E-03	5.25E-03	1.42E-03	7.99E-04	6.39E-04	3.29E-04
661	570397.5	4215591.89	8.93E-03	5.06E-03	1.36E-03	7.70E-04	6.15E-04	3.17E-04
662	570390.67	4215598.82	8.57E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
663	570383.85	4215605.74	8.20E-03	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
664	570377.02	4215612.67	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
665	570370.2	4215619.59	7.41E-03	4.20E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
666	570363.37	4215626.52	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.83E-04	2.48E-04
667	570356.55	4215633.44	6.61E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
668	570349.73	4215640.37	6.22E-03	3.52E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
669	570505.5	4215354.54	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
670	570505.28	4215364.16	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.01E-04
671	570505.07	4215373.78	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.00E-04
672	570504.85	4215383.4	1.13E-02	6.39E-03	1.72E-03	9.71E-04	7.77E-04	4.00E-04

673	570504.63	4215393.02	1.12E-02	6.36E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
674	570504.42	4215402.64	1.12E-02	6.33E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
675	570504.2	4215412.26	1.11E-02	6.30E-03	1.70E-03	9.57E-04	7.66E-04	3.94E-04
676	570503.55	4215441.11	1.08E-02	6.12E-03	1.65E-03	9.31E-04	7.45E-04	3.83E-04
677	570503.33	4215450.73	1.07E-02	6.06E-03	1.63E-03	9.21E-04	7.37E-04	3.79E-04
678	570503.11	4215460.35	1.06E-02	5.98E-03	1.61E-03	9.10E-04	7.28E-04	3.75E-04
679	570502.9	4215469.97	1.04E-02	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
680	570502.68	4215479.59	1.02E-02	5.79E-03	1.56E-03	8.80E-04	7.04E-04	3.62E-04
681	570502.46	4215489.2	1.00E-02	5.68E-03	1.53E-03	8.63E-04	6.91E-04	3.55E-04
682	570495.49	4215505.68	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
683	570488.74	4215512.53	9.92E-03	5.62E-03	1.51E-03	8.55E-04	6.83E-04	3.52E-04
684	570481.99	4215519.38	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.53E-04
685	570475.23	4215526.24	9.93E-03	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
686	570468.48	4215533.09	9.95E-03	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
687	570461.73	4215539.94	9.95E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
688	570454.98	4215546.8	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.52E-04
689	570448.22	4215553.65	9.90E-03	5.61E-03	1.51E-03	8.53E-04	6.82E-04	3.51E-04
690	570441.47	4215560.5	9.81E-03	5.56E-03	1.50E-03	8.45E-04	6.76E-04	3.48E-04
691	570434.72	4215567.36	9.66E-03	5.47E-03	1.48E-03	8.32E-04	6.66E-04	3.43E-04
692	570427.97	4215574.21	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
693	570421.21	4215581.06	9.27E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
694	570414.46	4215587.92	9.01E-03	5.11E-03	1.38E-03	7.77E-04	6.21E-04	3.20E-04
695	570407.71	4215594.77	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
696	570400.96	4215601.62	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.78E-04	2.97E-04
697	570394.2	4215608.47	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
698	570387.45	4215615.33	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
699	570380.7	4215622.18	7.33E-03	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
700	570373.94	4215629.03	6.95E-03	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
701	570367.19	4215635.89	6.58E-03	3.73E-03	1.00E-03	5.67E-04	4.53E-04	2.33E-04
702	570360.44	4215642.74	6.21E-03	3.52E-03	9.49E-04	5.35E-04	4.28E-04	2.20E-04
703	570353.69	4215649.59	5.85E-03	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
704	570514.89	4215350.32	1.09E-02	6.16E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
705	570514.68	4215359.84	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
706	570514.46	4215369.37	1.09E-02	6.17E-03	1.66E-03	9.39E-04	7.51E-04	3.86E-04
707	570514.25	4215378.89	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
708	570514.03	4215388.42	1.09E-02	6.15E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
709	570513.82	4215397.94	1.08E-02	6.13E-03	1.65E-03	9.33E-04	7.46E-04	3.84E-04
710	570513.6	4215407.47	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
711	570513.39	4215416.99	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.38E-04	3.80E-04
712	570512.74	4215445.57	1.04E-02	5.90E-03	1.59E-03	8.98E-04	7.18E-04	3.69E-04
713	570512.53	4215455.09	1.03E-02	5.83E-03	1.57E-03	8.87E-04	7.10E-04	3.65E-04
714	570512.31	4215464.62	1.02E-02	5.76E-03	1.55E-03	8.76E-04	7.01E-04	3.61E-04
715	570512.1	4215474.14	1.00E-02	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
716	570511.88	4215483.67	9.85E-03	5.58E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04
717	570511.67	4215493.2	9.66E-03	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
718	570504.77	4215509.51	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
719	570498.08	4215516.29	9.51E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.37E-04
720	570491.39	4215523.08	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
721	570484.71	4215529.87	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
722	570478.02	4215536.65	9.51E-03	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
723	570471.33	4215543.44	9.47E-03	5.37E-03	1.45E-03	8.16E-04	6.53E-04	3.36E-04
724	570464.65	4215550.23	9.46E-03	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.36E-04

725	570457.96	4215557.01	9.43E-03	5.34E-03	1.44E-03	8.12E-04	6.50E-04	3.34E-04
726	570451.27	4215563.8	9.36E-03	5.30E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
727	570444.58	4215570.59	9.26E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
728	570437.9	4215577.37	9.11E-03	5.16E-03	1.39E-03	7.85E-04	6.28E-04	3.23E-04
729	570431.21	4215584.16	8.93E-03	5.06E-03	1.36E-03	7.69E-04	6.15E-04	3.17E-04
730	570424.52	4215590.95	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
731	570417.84	4215597.73	8.46E-03	4.79E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
732	570411.15	4215604.52	8.18E-03	4.63E-03	1.25E-03	7.05E-04	5.64E-04	2.90E-04
733	570404.46	4215611.31	7.87E-03	4.46E-03	1.20E-03	6.78E-04	5.42E-04	2.79E-04
734	570397.78	4215618.09	7.55E-03	4.28E-03	1.15E-03	6.51E-04	5.20E-04	2.68E-04
735	570391.09	4215624.88	7.22E-03	4.09E-03	1.10E-03	6.22E-04	4.97E-04	2.56E-04
736	570384.4	4215631.67	6.88E-03	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
737	570377.71	4215638.45	6.53E-03	3.70E-03	9.97E-04	5.63E-04	4.50E-04	2.32E-04
738	570371.03	4215645.24	6.19E-03	3.50E-03	9.45E-04	5.33E-04	4.26E-04	2.19E-04
739	570364.34	4215652.03	5.84E-03	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04
740	570357.65	4215658.81	5.51E-03	3.12E-03	8.42E-04	4.75E-04	3.80E-04	1.96E-04
741	569937.09	4214979.91	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
742	569941.77	4214988.41	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
743	569895.61	4214925.21	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
744	569900.28	4214933.71	2.91E-03	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
745	569904.96	4214942.22	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.08E-04	1.07E-04
746	569909.63	4214950.72	3.16E-03	1.79E-03	4.83E-04	2.72E-04	2.18E-04	1.12E-04
747	569914.31	4214959.22	3.33E-03	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
748	569918.98	4214967.72	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
749	569923.66	4214976.22	3.76E-03	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
750	569928.33	4214984.73	4.01E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
751	569933.01	4214993.23	4.31E-03	2.44E-03	6.58E-04	3.72E-04	2.97E-04	1.53E-04
752	569877.5	4214913.03	2.70E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.59E-05
753	569882.17	4214921.53	2.78E-03	1.57E-03	4.24E-04	2.39E-04	1.92E-04	9.86E-05
754	569886.85	4214930.03	2.87E-03	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
755	569891.52	4214938.53	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
756	569896.19	4214947.03	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
757	569900.87	4214955.54	3.24E-03	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
758	569905.54	4214964.04	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
759	569910.22	4214972.54	3.65E-03	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
760	569914.89	4214981.04	3.88E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
761	569919.57	4214989.54	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.86E-04	1.47E-04
762	569924.24	4214998.05	4.48E-03	2.54E-03	6.83E-04	3.86E-04	3.08E-04	1.59E-04
763	569928.92	4215006.55	4.84E-03	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.72E-04
764	569868.73	4214917.84	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.78E-05
765	569873.41	4214926.35	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.96E-04	1.01E-04
766	569878.08	4214934.85	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
767	569882.76	4214943.35	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
768	569887.43	4214951.85	3.17E-03	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04
769	569892.11	4214960.35	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
770	569896.78	4214968.86	3.54E-03	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
771	569901.46	4214977.36	3.77E-03	2.13E-03	5.75E-04	3.25E-04	2.60E-04	1.34E-04
772	569906.13	4214985.86	4.02E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
773	569910.81	4214994.36	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
774	569915.48	4215002.86	4.65E-03	2.64E-03	7.10E-04	4.01E-04	3.21E-04	1.65E-04
775	569920.15	4215011.37	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
776	569859.97	4214922.66	2.82E-03	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04

777	569864.65	4214931.16	2.90E-03	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
778	569869.32	4214939.67	2.99E-03	1.70E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
779	569873.99	4214948.17	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.15E-04	1.10E-04
780	569878.67	4214956.67	3.26E-03	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
781	569883.34	4214965.17	3.45E-03	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
782	569888.02	4214973.67	3.66E-03	2.07E-03	5.59E-04	3.16E-04	2.52E-04	1.30E-04
783	569892.69	4214982.18	3.90E-03	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
784	569897.37	4214990.68	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
785	569902.04	4214999.18	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
786	569906.72	4215007.68	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
787	569911.39	4215016.18	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
788	569851.21	4214927.48	2.88E-03	1.63E-03	4.40E-04	2.48E-04	1.98E-04	1.02E-04
789	569855.88	4214935.98	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
790	569860.56	4214944.48	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
791	569865.23	4214952.99	3.20E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
792	569869.91	4214961.49	3.36E-03	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
793	569874.58	4214969.99	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
794	569879.26	4214978.49	3.79E-03	2.14E-03	5.78E-04	3.26E-04	2.61E-04	1.34E-04
795	569883.93	4214986.99	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
796	569888.6	4214995.5	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
797	569893.28	4215004	4.66E-03	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
798	569897.95	4215012.5	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
799	569902.63	4215021	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
800	569842.45	4214932.3	2.94E-03	1.66E-03	4.49E-04	2.53E-04	2.02E-04	1.04E-04
801	569847.12	4214940.8	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
802	569851.79	4214949.3	3.14E-03	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
803	569856.47	4214957.8	3.29E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
804	569861.14	4214966.31	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
805	569865.82	4214974.81	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
806	569870.49	4214983.31	3.91E-03	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
807	569875.17	4214991.81	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
808	569879.84	4215000.31	4.49E-03	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
809	569884.52	4215008.82	4.85E-03	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
810	569889.19	4215017.32	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
811	569893.87	4215025.82	5.70E-03	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
812	569833.68	4214937.12	3.00E-03	1.70E-03	4.58E-04	2.58E-04	2.07E-04	1.06E-04
813	569838.36	4214945.62	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
814	569843.03	4214954.12	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
815	569847.71	4214962.62	3.39E-03	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
816	569852.38	4214971.12	3.58E-03	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
817	569857.06	4214979.63	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
818	569861.73	4214988.13	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
819	569866.4	4214996.63	4.34E-03	2.46E-03	6.62E-04	3.74E-04	2.99E-04	1.54E-04
820	569871.08	4215005.13	4.67E-03	2.64E-03	7.12E-04	4.02E-04	3.22E-04	1.66E-04
821	569875.75	4215013.63	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
822	569880.43	4215022.14	5.46E-03	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
823	569885.1	4215030.64	5.94E-03	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.11E-04
824	569941.2	4215132.66	3.57E-02	2.02E-02	5.45E-03	3.08E-03	2.46E-03	1.27E-03
825	569945.87	4215141.16	3.98E-02	2.26E-02	6.08E-03	3.43E-03	2.74E-03	1.41E-03
826	569950.55	4215149.66	4.38E-02	2.48E-02	6.69E-03	3.78E-03	3.02E-03	1.55E-03
827	569824.92	4214941.93	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
828	569829.59	4214950.44	3.17E-03	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04

829	569834.27	4214958.94	3.32E-03	1.88E-03	5.06E-04	2.86E-04	2.28E-04	1.18E-04
830	569838.94	4214967.44	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.41E-04	1.24E-04
831	569843.62	4214975.94	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
832	569848.29	4214984.44	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
833	569852.97	4214992.95	4.18E-03	2.37E-03	6.39E-04	3.61E-04	2.88E-04	1.48E-04
834	569857.64	4215001.45	4.49E-03	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
835	569862.32	4215009.95	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
836	569866.99	4215018.45	5.23E-03	2.96E-03	7.99E-04	4.51E-04	3.61E-04	1.86E-04
837	569871.67	4215026.95	5.67E-03	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
838	569876.34	4215035.46	6.17E-03	3.49E-03	9.42E-04	5.31E-04	4.25E-04	2.19E-04
839	569927.76	4215128.98	3.08E-02	1.75E-02	4.71E-03	2.66E-03	2.13E-03	1.09E-03
840	569932.44	4215137.48	3.44E-02	1.95E-02	5.25E-03	2.96E-03	2.37E-03	1.22E-03
841	569937.11	4215145.98	3.79E-02	2.15E-02	5.79E-03	3.26E-03	2.61E-03	1.34E-03
842	569941.78	4215154.48	4.13E-02	2.34E-02	6.31E-03	3.56E-03	2.85E-03	1.47E-03
843	569816.16	4214946.75	3.13E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
844	569820.83	4214955.25	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
845	569825.51	4214963.76	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
846	569830.18	4214972.26	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
847	569834.86	4214980.76	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
848	569839.53	4214989.26	4.04E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.43E-04
849	569844.2	4214997.76	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
850	569848.88	4215006.27	4.65E-03	2.64E-03	7.11E-04	4.01E-04	3.21E-04	1.65E-04
851	569853.55	4215014.77	5.02E-03	2.84E-03	7.66E-04	4.33E-04	3.46E-04	1.78E-04
852	569858.23	4215023.27	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
853	569862.9	4215031.77	5.88E-03	3.33E-03	8.97E-04	5.06E-04	4.05E-04	2.08E-04
854	569914.32	4215125.29	2.57E-02	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.10E-04
855	569919	4215133.79	3.02E-02	1.71E-02	4.61E-03	2.60E-03	2.08E-03	1.07E-03
856	569923.67	4215142.3	3.30E-02	1.87E-02	5.03E-03	2.84E-03	2.27E-03	1.17E-03
857	569928.35	4215150.8	3.60E-02	2.04E-02	5.50E-03	3.10E-03	2.48E-03	1.28E-03
858	569933.02	4215159.3	3.89E-02	2.21E-02	5.94E-03	3.35E-03	2.68E-03	1.38E-03
859	569802.72	4214943.07	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
860	569807.39	4214951.57	3.21E-03	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
861	569812.07	4214960.07	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
862	569816.74	4214968.57	3.51E-03	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
863	569821.42	4214977.08	3.70E-03	2.10E-03	5.65E-04	3.19E-04	2.55E-04	1.31E-04
864	569826.09	4214985.58	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
865	569830.77	4214994.08	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
866	569835.44	4215002.58	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
867	569840.12	4215011.08	4.81E-03	2.73E-03	7.35E-04	4.15E-04	3.32E-04	1.71E-04
868	569844.79	4215019.59	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
869	569849.47	4215028.09	5.61E-03	3.18E-03	8.56E-04	4.83E-04	3.86E-04	1.99E-04
870	569854.14	4215036.59	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
871	569905.56	4215130.11	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
872	569910.24	4215138.61	2.93E-02	1.66E-02	4.48E-03	2.53E-03	2.02E-03	1.04E-03
873	569914.91	4215147.11	3.16E-02	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
874	569919.58	4215155.62	3.43E-02	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.22E-03
875	569924.26	4215164.12	3.67E-02	2.08E-02	5.61E-03	3.16E-03	2.53E-03	1.30E-03
876	569792.9	4214938.94	3.09E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.10E-04
877	569793.96	4214947.89	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
878	569798.63	4214956.39	3.29E-03	1.86E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
879	569803.31	4214964.89	3.44E-03	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
880	569807.98	4214973.39	3.61E-03	2.05E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04

881	569812.66	4214981.89	3.80E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
882	569817.33	4214990.4	4.04E-03	2.29E-03	6.16E-04	3.48E-04	2.78E-04	1.43E-04
883	569822	4214998.9	4.31E-03	2.44E-03	6.58E-04	3.71E-04	2.97E-04	1.53E-04
884	569826.68	4215007.4	4.62E-03	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
885	569831.35	4215015.9	4.97E-03	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
886	569836.03	4215024.4	5.35E-03	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
887	569840.7	4215032.91	5.78E-03	3.28E-03	8.83E-04	4.98E-04	3.99E-04	2.05E-04
888	569896.8	4215134.93	2.51E-02	1.42E-02	3.84E-03	2.17E-03	1.73E-03	8.92E-04
889	569901.47	4215143.43	2.84E-02	1.61E-02	4.33E-03	2.44E-03	1.96E-03	1.01E-03
890	569906.15	4215151.93	3.02E-02	1.71E-02	4.62E-03	2.61E-03	2.08E-03	1.07E-03
891	569910.82	4215160.43	3.26E-02	1.85E-02	4.98E-03	2.81E-03	2.25E-03	1.16E-03
892	569915.5	4215168.94	3.47E-02	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
893	569784.15	4214943.89	3.15E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
894	569783.11	4214935.08	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
895	569789.87	4214961.21	3.38E-03	1.92E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
896	569794.54	4214969.71	3.54E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
897	569799.22	4214978.21	3.71E-03	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
898	569803.89	4214986.71	3.91E-03	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
899	569808.57	4214995.21	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
900	569813.24	4215003.72	4.44E-03	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.58E-04
901	569817.92	4215012.22	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
902	569822.59	4215020.72	5.11E-03	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
903	569827.27	4215029.22	5.50E-03	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
904	569831.94	4215037.72	5.94E-03	3.36E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
905	569888.04	4215139.75	2.45E-02	1.39E-02	3.75E-03	2.11E-03	1.69E-03	8.70E-04
906	569892.71	4215148.25	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.69E-04
907	569897.38	4215156.75	2.89E-02	1.64E-02	4.41E-03	2.49E-03	1.99E-03	1.02E-03
908	569902.06	4215165.25	3.11E-02	1.76E-02	4.75E-03	2.68E-03	2.14E-03	1.10E-03
909	569906.73	4215173.75	3.25E-02	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
910	569775.31	4214948.03	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
911	569774.18	4214938.54	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
912	569773.06	4214929.05	3.06E-03	1.73E-03	4.67E-04	2.64E-04	2.11E-04	1.09E-04
913	569776.43	4214957.52	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
914	569781.11	4214966.02	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
915	569785.78	4214974.53	3.63E-03	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
916	569790.45	4214983.03	3.81E-03	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
917	569795.13	4214991.53	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
918	569799.8	4215000.03	4.27E-03	2.42E-03	6.53E-04	3.68E-04	2.95E-04	1.52E-04
919	569804.48	4215008.53	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
920	569809.15	4215017.04	4.88E-03	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
921	569813.83	4215025.54	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.61E-04	1.86E-04
922	569818.5	4215034.04	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
923	569823.18	4215042.54	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
924	569879.27	4215144.56	2.37E-02	1.34E-02	3.62E-03	2.04E-03	1.63E-03	8.40E-04
925	569883.95	4215153.07	2.62E-02	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.28E-04
926	569888.62	4215161.57	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.76E-04
927	569893.3	4215170.07	2.92E-02	1.66E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
928	569897.97	4215178.57	3.05E-02	1.73E-02	4.65E-03	2.63E-03	2.10E-03	1.08E-03
929	569766.56	4214953.02	3.30E-03	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
930	569765.46	4214943.7	3.20E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
931	569764.36	4214934.38	3.12E-03	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
932	569763.25	4214925.06	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04

933	569777.2	4214820.65	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.26E-04	6.46E-05
934	569782.9	4214813.19	1.74E-03	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
935	569767.67	4214962.34	3.43E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
936	569772.34	4214970.84	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
937	569777.02	4214979.34	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
938	569781.69	4214987.85	3.91E-03	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
939	569786.37	4214996.35	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
940	569791.04	4215004.85	4.38E-03	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
941	569795.72	4215013.35	4.66E-03	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
942	569800.39	4215021.85	4.98E-03	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
943	569805.07	4215030.36	5.35E-03	3.03E-03	8.16E-04	4.61E-04	3.68E-04	1.90E-04
944	569809.74	4215038.86	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
945	569814.41	4215047.36	6.20E-03	3.51E-03	9.46E-04	5.34E-04	4.27E-04	2.20E-04
946	569819.09	4215055.86	6.67E-03	3.78E-03	1.02E-03	5.75E-04	4.60E-04	2.37E-04
947	569870.51	4215149.38	2.24E-02	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.95E-04
948	569875.18	4215157.88	2.49E-02	1.41E-02	3.80E-03	2.15E-03	1.72E-03	8.83E-04
949	569879.86	4215166.39	2.68E-02	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
950	569884.53	4215174.89	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.89E-03	9.75E-04
951	569889.21	4215183.39	2.86E-02	1.62E-02	4.37E-03	2.47E-03	1.97E-03	1.02E-03
952	569757.82	4214957.98	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
953	569756.73	4214948.8	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
954	569755.65	4214939.63	3.19E-03	1.80E-03	4.86E-04	2.75E-04	2.20E-04	1.13E-04
955	569754.56	4214930.45	3.12E-03	1.77E-03	4.77E-04	2.69E-04	2.15E-04	1.11E-04
956	569753.47	4214921.27	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
957	569750.39	4214840.51	2.00E-03	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
958	569755.99	4214833.16	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
959	569767.21	4214818.47	1.78E-03	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
960	569772.81	4214811.12	1.71E-03	9.67E-04	2.61E-04	1.47E-04	1.18E-04	6.06E-05
961	569784.02	4214796.43	1.60E-03	9.05E-04	2.44E-04	1.38E-04	1.10E-04	5.66E-05
962	569758.91	4214967.16	3.51E-03	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
963	569763.58	4214975.66	3.65E-03	2.07E-03	5.57E-04	3.15E-04	2.52E-04	1.29E-04
964	569768.25	4214984.16	3.81E-03	2.16E-03	5.82E-04	3.29E-04	2.63E-04	1.35E-04
965	569772.93	4214992.66	4.01E-03	2.27E-03	6.12E-04	3.46E-04	2.76E-04	1.42E-04
966	569777.6	4215001.17	4.23E-03	2.40E-03	6.46E-04	3.65E-04	2.92E-04	1.50E-04
967	569782.28	4215009.67	4.47E-03	2.53E-03	6.83E-04	3.85E-04	3.08E-04	1.59E-04
968	569786.95	4215018.17	4.75E-03	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
969	569791.63	4215026.67	5.07E-03	2.87E-03	7.75E-04	4.37E-04	3.50E-04	1.80E-04
970	569796.3	4215035.17	5.43E-03	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
971	569800.98	4215043.68	5.83E-03	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
972	569805.65	4215052.18	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
973	569810.33	4215060.68	6.75E-03	3.82E-03	1.03E-03	5.81E-04	4.65E-04	2.39E-04
974	569861.75	4215154.2	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
975	569866.42	4215162.7	2.32E-02	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
976	569871.1	4215171.2	2.52E-02	1.43E-02	3.85E-03	2.18E-03	1.74E-03	8.95E-04
977	569875.77	4215179.71	2.66E-02	1.51E-02	4.07E-03	2.30E-03	1.84E-03	9.45E-04
978	569880.45	4215188.21	2.71E-02	1.53E-02	4.14E-03	2.33E-03	1.87E-03	9.61E-04
979	569749.07	4214962.92	3.46E-03	1.96E-03	5.28E-04	2.98E-04	2.39E-04	1.23E-04
980	569748	4214953.87	3.35E-03	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
981	569746.93	4214944.81	3.26E-03	1.84E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
982	569745.85	4214935.76	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
983	569744.78	4214926.71	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
984	569743.71	4214917.65	3.09E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04

985	569736.21	4214854.27	2.18E-03	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
986	569740.67	4214837.97	1.97E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
987	569746.2	4214830.72	1.88E-03	1.07E-03	2.88E-04	1.62E-04	1.30E-04	6.68E-05
988	569757.26	4214816.22	1.74E-03	9.86E-04	2.66E-04	1.50E-04	1.20E-04	6.17E-05
989	569768.32	4214801.73	1.63E-03	9.22E-04	2.48E-04	1.40E-04	1.12E-04	5.77E-05
990	569779.39	4214787.23	1.54E-03	8.70E-04	2.34E-04	1.32E-04	1.06E-04	5.45E-05
991	569750.14	4214971.98	3.59E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.27E-04
992	569754.82	4214980.48	3.73E-03	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
993	569759.49	4214988.98	3.91E-03	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
994	569764.17	4214997.48	4.11E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
995	569768.84	4215005.98	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
996	569773.52	4215014.49	4.57E-03	2.59E-03	6.98E-04	3.94E-04	3.15E-04	1.62E-04
997	569778.19	4215022.99	4.85E-03	2.75E-03	7.41E-04	4.18E-04	3.34E-04	1.72E-04
998	569782.86	4215031.49	5.16E-03	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
999	569787.54	4215039.99	5.51E-03	3.12E-03	8.41E-04	4.75E-04	3.80E-04	1.95E-04
1000	569792.21	4215048.49	5.90E-03	3.34E-03	9.01E-04	5.08E-04	4.06E-04	2.09E-04
1001	569796.89	4215057	6.33E-03	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
1002	569801.56	4215065.5	6.79E-03	3.85E-03	1.04E-03	5.85E-04	4.68E-04	2.41E-04
1003	569806.24	4215074	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.03E-04	2.59E-04
1004	569852.98	4215159.02	1.89E-02	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1005	569857.66	4215167.52	2.14E-02	1.21E-02	3.26E-03	1.84E-03	1.47E-03	7.57E-04
1006	569862.33	4215176.02	2.36E-02	1.34E-02	3.60E-03	2.03E-03	1.63E-03	8.37E-04
1007	569867.01	4215184.52	2.52E-02	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.94E-04
1008	569871.68	4215193.03	2.58E-02	1.46E-02	3.94E-03	2.22E-03	1.78E-03	9.15E-04
1009	569740.24	4214967.21	3.53E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1010	569739.11	4214957.62	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1011	569737.97	4214948.03	3.31E-03	1.88E-03	5.06E-04	2.85E-04	2.28E-04	1.17E-04
1012	569736.84	4214938.45	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1013	569735.7	4214928.86	3.17E-03	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1014	569734.57	4214919.27	3.10E-03	1.76E-03	4.74E-04	2.67E-04	2.14E-04	1.10E-04
1015	569727.76	4214861.75	2.28E-03	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1016	569726.62	4214852.16	2.15E-03	1.22E-03	3.28E-04	1.85E-04	1.48E-04	7.61E-05
1017	569731.35	4214834.9	1.93E-03	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
1018	569737.2	4214827.23	1.85E-03	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
1019	569743.06	4214819.55	1.77E-03	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
1020	569748.92	4214811.88	1.70E-03	9.63E-04	2.60E-04	1.47E-04	1.17E-04	6.03E-05
1021	569754.77	4214804.21	1.64E-03	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1022	569760.63	4214796.53	1.59E-03	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1023	569766.49	4214788.86	1.55E-03	8.77E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1024	569772.34	4214781.18	1.50E-03	8.51E-04	2.29E-04	1.29E-04	1.03E-04	5.33E-05
1025	569741.38	4214976.79	3.68E-03	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
1026	569746.05	4214985.3	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1027	569750.73	4214993.8	4.00E-03	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1028	569755.4	4215002.3	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1029	569760.08	4215010.8	4.42E-03	2.51E-03	6.75E-04	3.81E-04	3.05E-04	1.57E-04
1030	569764.75	4215019.3	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1031	569769.43	4215027.81	4.95E-03	2.80E-03	7.56E-04	4.26E-04	3.41E-04	1.76E-04
1032	569774.1	4215036.31	5.25E-03	2.98E-03	8.02E-04	4.53E-04	3.62E-04	1.86E-04
1033	569778.78	4215044.81	5.58E-03	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
1034	569783.45	4215053.31	5.96E-03	3.38E-03	9.10E-04	5.13E-04	4.11E-04	2.11E-04
1035	569788.13	4215061.81	6.37E-03	3.61E-03	9.73E-04	5.49E-04	4.39E-04	2.26E-04
1036	569792.8	4215070.32	6.82E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04

1037	569797.48	4215078.82	7.31E-03	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
1038	569844.22	4215163.84	1.72E-02	9.74E-03	2.62E-03	1.48E-03	1.18E-03	6.10E-04
1039	569848.9	4215172.34	1.99E-02	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.05E-04
1040	569853.57	4215180.84	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.53E-03	7.89E-04
1041	569858.25	4215189.34	2.39E-02	1.36E-02	3.66E-03	2.06E-03	1.65E-03	8.49E-04
1042	569862.92	4215197.84	2.49E-02	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
1043	569731.5	4214972.17	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1044	569730.38	4214962.72	3.49E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
1045	569729.26	4214953.28	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
1046	569728.14	4214943.83	3.30E-03	1.87E-03	5.04E-04	2.85E-04	2.28E-04	1.17E-04
1047	569727.03	4214934.39	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1048	569725.91	4214924.94	3.17E-03	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1049	569724.79	4214915.5	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
1050	569719.2	4214868.27	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.44E-05
1051	569718.08	4214858.83	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.95E-05
1052	569716.96	4214849.38	2.12E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
1053	569721.61	4214832.38	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.78E-05
1054	569727.38	4214824.82	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.51E-05
1055	569733.15	4214817.26	1.76E-03	9.98E-04	2.69E-04	1.52E-04	1.21E-04	6.25E-05
1056	569738.92	4214809.7	1.69E-03	9.58E-04	2.58E-04	1.46E-04	1.17E-04	6.00E-05
1057	569744.69	4214802.14	1.63E-03	9.26E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1058	569750.46	4214794.57	1.59E-03	8.99E-04	2.42E-04	1.37E-04	1.09E-04	5.63E-05
1059	569756.23	4214787.01	1.54E-03	8.73E-04	2.35E-04	1.33E-04	1.06E-04	5.47E-05
1060	569762	4214779.45	1.50E-03	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.31E-05
1061	569767.77	4214771.89	1.47E-03	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1062	569732.62	4214981.61	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1063	569737.29	4214990.11	3.91E-03	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1064	569741.97	4214998.62	4.09E-03	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
1065	569746.64	4215007.12	4.29E-03	2.43E-03	6.55E-04	3.69E-04	2.95E-04	1.52E-04
1066	569751.32	4215015.62	4.51E-03	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
1067	569755.99	4215024.12	4.75E-03	2.69E-03	7.26E-04	4.10E-04	3.28E-04	1.69E-04
1068	569760.66	4215032.62	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
1069	569765.34	4215041.13	5.32E-03	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
1070	569770.01	4215049.63	5.65E-03	3.20E-03	8.63E-04	4.87E-04	3.90E-04	2.01E-04
1071	569774.69	4215058.13	6.02E-03	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.14E-04
1072	569779.36	4215066.63	6.42E-03	3.63E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
1073	569784.04	4215075.13	6.84E-03	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1074	569788.71	4215083.64	7.30E-03	4.14E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
1075	569793.39	4215092.14	7.79E-03	4.41E-03	1.19E-03	6.71E-04	5.37E-04	2.76E-04
1076	569835.46	4215168.66	1.65E-02	9.37E-03	2.52E-03	1.42E-03	1.14E-03	5.86E-04
1077	569840.13	4215177.16	1.90E-02	1.07E-02	2.90E-03	1.63E-03	1.31E-03	6.73E-04
1078	569844.81	4215185.66	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1079	569849.48	4215194.16	2.30E-02	1.30E-02	3.51E-03	1.98E-03	1.58E-03	8.14E-04
1080	569854.16	4215202.66	2.34E-02	1.33E-02	3.58E-03	2.02E-03	1.61E-03	8.31E-04
1081	569722.75	4214977.11	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
1082	569721.65	4214967.79	3.57E-03	2.02E-03	5.45E-04	3.08E-04	2.46E-04	1.27E-04
1083	569720.54	4214958.47	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
1084	569719.44	4214949.15	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1085	569718.34	4214939.83	3.29E-03	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
1086	569717.23	4214930.51	3.22E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
1087	569716.13	4214921.19	3.14E-03	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
1088	569715.03	4214911.87	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04

1089	569711.71	4214883.9	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
1090	569710.61	4214874.58	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1091	569709.51	4214865.26	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
1092	569708.4	4214855.94	2.21E-03	1.25E-03	3.38E-04	1.91E-04	1.52E-04	7.85E-05
1093	569707.3	4214846.62	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.44E-04	7.44E-05
1094	569711.89	4214829.84	1.91E-03	1.08E-03	2.92E-04	1.64E-04	1.32E-04	6.77E-05
1095	569717.59	4214822.38	1.83E-03	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
1096	569723.28	4214814.92	1.75E-03	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
1097	569728.97	4214807.46	1.68E-03	9.53E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1098	569734.67	4214799.99	1.64E-03	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1099	569740.36	4214792.53	1.59E-03	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1100	569746.06	4214785.07	1.55E-03	8.76E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1101	569751.75	4214777.61	1.50E-03	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1102	569757.44	4214770.15	1.47E-03	8.34E-04	2.25E-04	1.27E-04	1.01E-04	5.22E-05
1103	569763.14	4214762.69	1.45E-03	8.22E-04	2.21E-04	1.25E-04	9.99E-05	5.14E-05
1104	569723.85	4214986.43	3.83E-03	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1105	569728.53	4214994.93	3.99E-03	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.42E-04
1106	569733.2	4215003.43	4.17E-03	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1107	569737.88	4215011.94	4.37E-03	2.48E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
1108	569742.55	4215020.44	4.59E-03	2.60E-03	7.01E-04	3.96E-04	3.16E-04	1.63E-04
1109	569747.23	4215028.94	4.83E-03	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.71E-04
1110	569751.9	4215037.44	5.09E-03	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
1111	569756.58	4215045.94	5.38E-03	3.05E-03	8.21E-04	4.64E-04	3.71E-04	1.91E-04
1112	569761.25	4215054.45	5.71E-03	3.24E-03	8.72E-04	4.92E-04	3.94E-04	2.03E-04
1113	569765.93	4215062.95	6.07E-03	3.44E-03	9.26E-04	5.23E-04	4.18E-04	2.15E-04
1114	569770.6	4215071.45	6.45E-03	3.65E-03	9.85E-04	5.56E-04	4.44E-04	2.29E-04
1115	569775.28	4215079.95	6.85E-03	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1116	569779.95	4215088.45	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.58E-04
1117	569784.62	4215096.96	7.74E-03	4.38E-03	1.18E-03	6.67E-04	5.33E-04	2.74E-04
1118	569789.3	4215105.46	8.23E-03	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
1119	569826.7	4215173.47	1.61E-02	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.70E-04
1120	569831.37	4215181.98	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
1121	569836.05	4215190.48	2.04E-02	1.16E-02	3.12E-03	1.76E-03	1.41E-03	7.25E-04
1122	569840.72	4215198.98	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1123	569845.39	4215207.48	2.21E-02	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1124	569714	4214982.04	3.76E-03	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
1125	569712.91	4214972.83	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1126	569711.82	4214963.62	3.54E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1127	569710.73	4214954.41	3.45E-03	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1128	569709.64	4214945.19	3.36E-03	1.90E-03	5.13E-04	2.89E-04	2.32E-04	1.19E-04
1129	569708.55	4214935.98	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1130	569707.46	4214926.77	3.21E-03	1.82E-03	4.91E-04	2.77E-04	2.21E-04	1.14E-04
1131	569706.37	4214917.56	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1132	569705.28	4214908.35	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
1133	569704.19	4214899.14	2.86E-03	1.62E-03	4.37E-04	2.47E-04	1.97E-04	1.02E-04
1134	569703.09	4214889.93	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1135	569702	4214880.72	2.57E-03	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
1136	569700.91	4214871.51	2.43E-03	1.38E-03	3.71E-04	2.10E-04	1.68E-04	8.63E-05
1137	569699.82	4214862.3	2.31E-03	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.18E-05
1138	569698.73	4214853.08	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.76E-05
1139	569697.64	4214843.87	2.08E-03	1.18E-03	3.18E-04	1.79E-04	1.43E-04	7.38E-05
1140	569702.18	4214827.29	1.91E-03	1.08E-03	2.91E-04	1.64E-04	1.32E-04	6.77E-05

1141	569707.81	4214819.92	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
1142	569713.43	4214812.54	1.76E-03	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
1143	569719.06	4214805.17	1.69E-03	9.55E-04	2.57E-04	1.45E-04	1.16E-04	5.98E-05
1144	569730.31	4214790.42	1.60E-03	9.07E-04	2.45E-04	1.38E-04	1.10E-04	5.68E-05
1145	569735.94	4214783.05	1.56E-03	8.84E-04	2.38E-04	1.34E-04	1.07E-04	5.53E-05
1146	569741.57	4214775.67	1.52E-03	8.59E-04	2.32E-04	1.31E-04	1.05E-04	5.38E-05
1147	569752.82	4214760.93	1.46E-03	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1148	569715.09	4214991.25	3.91E-03	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1149	569719.77	4214999.75	4.07E-03	2.30E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
1150	569724.44	4215008.25	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1151	569729.12	4215016.75	4.45E-03	2.52E-03	6.79E-04	3.83E-04	3.07E-04	1.58E-04
1152	569733.79	4215025.26	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1153	569738.46	4215033.76	4.91E-03	2.78E-03	7.49E-04	4.23E-04	3.38E-04	1.74E-04
1154	569743.14	4215042.26	5.16E-03	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
1155	569747.81	4215050.76	5.44E-03	3.08E-03	8.31E-04	4.69E-04	3.75E-04	1.93E-04
1156	569752.49	4215059.26	5.75E-03	3.26E-03	8.79E-04	4.96E-04	3.97E-04	2.04E-04
1157	569757.16	4215067.77	6.10E-03	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
1158	569761.84	4215076.27	6.46E-03	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
1159	569766.51	4215084.77	6.86E-03	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1160	569771.19	4215093.27	7.27E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
1161	569775.86	4215101.77	7.70E-03	4.36E-03	1.18E-03	6.63E-04	5.30E-04	2.73E-04
1162	569780.54	4215110.28	8.15E-03	4.62E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
1163	569817.93	4215178.29	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
1164	569822.61	4215186.79	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.26E-04
1165	569827.28	4215195.3	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
1166	569831.96	4215203.8	2.03E-02	1.15E-02	3.09E-03	1.74E-03	1.40E-03	7.18E-04
1167	569836.63	4215212.3	2.06E-02	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.30E-04
1168	569705.25	4214986.95	3.82E-03	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
1169	569704.17	4214977.84	3.70E-03	2.10E-03	5.66E-04	3.19E-04	2.55E-04	1.31E-04
1170	569703.09	4214968.73	3.60E-03	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
1171	569702.01	4214959.61	3.52E-03	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
1172	569700.93	4214950.5	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1173	569699.85	4214941.39	3.35E-03	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
1174	569698.78	4214932.27	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
1175	569697.7	4214923.16	3.18E-03	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
1176	569696.62	4214914.05	3.04E-03	1.72E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1177	569695.54	4214904.93	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
1178	569694.46	4214895.82	2.79E-03	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.88E-05
1179	569693.38	4214886.7	2.64E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
1180	569692.3	4214877.59	2.51E-03	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
1181	569691.22	4214868.48	2.40E-03	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1182	569690.14	4214859.36	2.28E-03	1.29E-03	3.48E-04	1.96E-04	1.57E-04	8.09E-05
1183	569689.06	4214850.25	2.17E-03	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.71E-05
1184	569687.98	4214841.14	2.07E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.36E-05
1185	569692.47	4214824.73	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
1186	569703.61	4214810.14	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.26E-05
1187	569714.74	4214795.55	1.66E-03	9.43E-04	2.54E-04	1.43E-04	1.15E-04	5.90E-05
1188	569725.88	4214780.96	1.58E-03	8.94E-04	2.41E-04	1.36E-04	1.09E-04	5.60E-05
1189	569731.45	4214773.66	1.54E-03	8.75E-04	2.36E-04	1.33E-04	1.06E-04	5.48E-05
1190	569742.58	4214759.07	1.50E-03	8.50E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1191	569706.33	4214996.07	3.98E-03	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
1192	569711	4215004.57	4.14E-03	2.34E-03	6.32E-04	3.56E-04	2.85E-04	1.47E-04

1193	569715.68	4215013.07	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
1194	569720.35	4215021.57	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
1195	569725.03	4215030.07	4.74E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1196	569729.7	4215038.58	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1197	569734.38	4215047.08	5.22E-03	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
1198	569739.05	4215055.58	5.50E-03	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
1199	569743.73	4215064.08	5.81E-03	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
1200	569748.4	4215072.58	6.13E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
1201	569753.07	4215081.09	6.47E-03	3.66E-03	9.87E-04	5.57E-04	4.46E-04	2.29E-04
1202	569757.75	4215089.59	6.84E-03	3.88E-03	1.04E-03	5.90E-04	4.72E-04	2.43E-04
1203	569762.42	4215098.09	7.24E-03	4.10E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
1204	569767.1	4215106.59	7.65E-03	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
1205	569771.77	4215115.09	8.09E-03	4.58E-03	1.24E-03	6.97E-04	5.57E-04	2.87E-04
1206	569809.17	4215183.11	1.52E-02	8.62E-03	2.32E-03	1.31E-03	1.05E-03	5.40E-04
1207	569813.84	4215191.61	1.70E-02	9.62E-03	2.59E-03	1.46E-03	1.17E-03	6.02E-04
1208	569818.52	4215200.11	1.83E-02	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.49E-04
1209	569823.19	4215208.62	1.89E-02	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1210	569827.87	4215217.12	1.93E-02	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1211	569696.44	4214991.36	3.89E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1212	569695.31	4214981.83	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1213	569694.18	4214972.3	3.65E-03	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
1214	569693.05	4214962.77	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
1215	569691.93	4214953.25	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1216	569690.8	4214943.72	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1217	569689.67	4214934.19	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1218	569688.54	4214924.66	3.19E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
1219	569687.41	4214915.14	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
1220	569686.28	4214905.61	2.90E-03	1.65E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
1221	569685.16	4214896.08	2.78E-03	1.57E-03	4.24E-04	2.39E-04	1.91E-04	9.85E-05
1222	569684.03	4214886.55	2.64E-03	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.36E-05
1223	569682.9	4214877.02	2.51E-03	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
1224	569681.77	4214867.5	2.40E-03	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1225	569680.64	4214857.97	2.28E-03	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1226	569679.52	4214848.44	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1227	569678.39	4214838.91	2.08E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
1228	569683.08	4214821.76	1.93E-03	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.84E-05
1229	569688.9	4214814.13	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
1230	569694.72	4214806.5	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
1231	569700.54	4214798.88	1.73E-03	9.78E-04	2.64E-04	1.49E-04	1.19E-04	6.12E-05
1232	569706.36	4214791.25	1.68E-03	9.54E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1233	569712.18	4214783.62	1.64E-03	9.29E-04	2.50E-04	1.41E-04	1.13E-04	5.82E-05
1234	569718	4214776	1.60E-03	9.04E-04	2.44E-04	1.37E-04	1.10E-04	5.66E-05
1235	569723.82	4214768.37	1.57E-03	8.90E-04	2.40E-04	1.35E-04	1.08E-04	5.57E-05
1236	569697.57	4215000.89	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
1237	569702.24	4215009.39	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1238	569706.92	4215017.89	4.38E-03	2.48E-03	6.68E-04	3.77E-04	3.02E-04	1.55E-04
1239	569711.59	4215026.39	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
1240	569716.26	4215034.89	4.79E-03	2.71E-03	7.32E-04	4.13E-04	3.30E-04	1.70E-04
1241	569720.94	4215043.39	5.02E-03	2.84E-03	7.66E-04	4.32E-04	3.46E-04	1.78E-04
1242	569725.61	4215051.9	5.27E-03	2.99E-03	8.05E-04	4.54E-04	3.63E-04	1.87E-04
1243	569730.29	4215060.4	5.55E-03	3.14E-03	8.48E-04	4.78E-04	3.83E-04	1.97E-04
1244	569734.96	4215068.9	5.84E-03	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04

1245	569739.64	4215077.4	6.15E-03	3.49E-03	9.40E-04	5.30E-04	4.24E-04	2.18E-04
1246	569744.31	4215085.9	6.49E-03	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
1247	569748.99	4215094.41	6.84E-03	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1248	569753.66	4215102.91	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1249	569758.34	4215111.41	7.60E-03	4.31E-03	1.16E-03	6.55E-04	5.24E-04	2.70E-04
1250	569763.01	4215119.91	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
1251	569800.41	4215187.93	1.49E-02	8.45E-03	2.28E-03	1.28E-03	1.03E-03	5.29E-04
1252	569805.08	4215196.43	1.65E-02	9.34E-03	2.52E-03	1.42E-03	1.14E-03	5.85E-04
1253	569809.76	4215204.93	1.72E-02	9.72E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
1254	569814.43	4215213.43	1.77E-02	1.00E-02	2.71E-03	1.53E-03	1.22E-03	6.29E-04
1255	569819.11	4215221.94	1.82E-02	1.03E-02	2.78E-03	1.57E-03	1.25E-03	6.45E-04
1256	569687.69	4214996.28	3.95E-03	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
1257	569686.57	4214986.87	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1258	569685.46	4214977.45	3.71E-03	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1259	569684.34	4214968.03	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1260	569683.23	4214958.61	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1261	569682.11	4214949.19	3.43E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
1262	569681	4214939.77	3.32E-03	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
1263	569679.88	4214930.35	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
1264	569678.77	4214920.93	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1265	569677.65	4214911.52	2.96E-03	1.68E-03	4.53E-04	2.55E-04	2.04E-04	1.05E-04
1266	569676.54	4214902.1	2.84E-03	1.61E-03	4.34E-04	2.45E-04	1.96E-04	1.01E-04
1267	569675.42	4214892.68	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1268	569674.31	4214883.26	2.59E-03	1.47E-03	3.96E-04	2.24E-04	1.79E-04	9.20E-05
1269	569673.19	4214873.84	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1270	569672.08	4214864.42	2.37E-03	1.34E-03	3.62E-04	2.04E-04	1.64E-04	8.42E-05
1271	569670.96	4214855	2.27E-03	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.06E-05
1272	569669.84	4214845.58	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1273	569668.73	4214836.17	2.09E-03	1.19E-03	3.20E-04	1.80E-04	1.44E-04	7.42E-05
1274	569673.37	4214819.21	1.95E-03	1.11E-03	2.98E-04	1.68E-04	1.35E-04	6.92E-05
1275	569679.12	4214811.67	1.87E-03	1.06E-03	2.86E-04	1.61E-04	1.29E-04	6.64E-05
1276	569684.88	4214804.13	1.80E-03	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.40E-05
1277	569690.63	4214796.59	1.76E-03	9.99E-04	2.69E-04	1.52E-04	1.22E-04	6.26E-05
1278	569696.38	4214789.05	1.73E-03	9.77E-04	2.63E-04	1.49E-04	1.19E-04	6.12E-05
1279	569688.8	4215005.7	4.09E-03	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
1280	569693.48	4215014.21	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1281	569698.15	4215022.71	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1282	569702.83	4215031.21	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
1283	569707.5	4215039.71	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
1284	569712.18	4215048.21	5.06E-03	2.87E-03	7.73E-04	4.36E-04	3.49E-04	1.80E-04
1285	569716.85	4215056.71	5.32E-03	3.01E-03	8.12E-04	4.58E-04	3.67E-04	1.89E-04
1286	569721.53	4215065.22	5.59E-03	3.17E-03	8.53E-04	4.82E-04	3.85E-04	1.98E-04
1287	569726.2	4215073.72	5.87E-03	3.33E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
1288	569730.87	4215082.22	6.18E-03	3.50E-03	9.43E-04	5.32E-04	4.26E-04	2.19E-04
1289	569735.55	4215090.72	6.51E-03	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
1290	569740.22	4215099.22	6.85E-03	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
1291	569744.9	4215107.73	7.20E-03	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
1292	569749.57	4215116.23	7.58E-03	4.30E-03	1.16E-03	6.53E-04	5.22E-04	2.69E-04
1293	569754.25	4215124.73	7.98E-03	4.52E-03	1.22E-03	6.88E-04	5.50E-04	2.83E-04
1294	569786.97	4215184.24	1.31E-02	7.43E-03	2.00E-03	1.13E-03	9.04E-04	4.65E-04
1295	569791.64	4215192.75	1.46E-02	8.25E-03	2.22E-03	1.26E-03	1.00E-03	5.17E-04
1296	569796.32	4215201.25	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04

1297	569800.99	4215209.75	1.62E-02	9.20E-03	2.48E-03	1.40E-03	1.12E-03	5.76E-04
1298	569805.67	4215218.25	1.68E-02	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
1299	569810.34	4215226.75	1.72E-02	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
1300	569678.94	4215001.2	4.01E-03	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
1301	569677.83	4214991.88	3.89E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1302	569676.73	4214982.56	3.78E-03	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
1303	569675.63	4214973.24	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1304	569674.52	4214963.92	3.58E-03	2.03E-03	5.46E-04	3.08E-04	2.47E-04	1.27E-04
1305	569673.42	4214954.6	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
1306	569672.32	4214945.28	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
1307	569671.21	4214935.96	3.26E-03	1.85E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
1308	569670.11	4214926.64	3.15E-03	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
1309	569669	4214917.31	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
1310	569667.9	4214907.99	2.90E-03	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
1311	569666.8	4214898.67	2.78E-03	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.87E-05
1312	569665.69	4214889.35	2.67E-03	1.51E-03	4.07E-04	2.30E-04	1.84E-04	9.46E-05
1313	569664.59	4214880.03	2.56E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.07E-05
1314	569663.49	4214870.71	2.45E-03	1.39E-03	3.75E-04	2.11E-04	1.69E-04	8.70E-05
1315	569662.38	4214861.39	2.36E-03	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1316	569661.28	4214852.07	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
1317	569660.18	4214842.75	2.19E-03	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
1318	569659.07	4214833.43	2.11E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.50E-05
1319	569680.04	4215010.52	4.14E-03	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
1320	569684.71	4215019.02	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1321	569689.39	4215027.52	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
1322	569694.06	4215036.03	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
1323	569698.74	4215044.53	4.87E-03	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
1324	569703.41	4215053.03	5.11E-03	2.89E-03	7.80E-04	4.40E-04	3.52E-04	1.81E-04
1325	569708.09	4215061.53	5.36E-03	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
1326	569712.76	4215070.03	5.62E-03	3.18E-03	8.58E-04	4.84E-04	3.87E-04	1.99E-04
1327	569717.44	4215078.54	5.89E-03	3.34E-03	9.00E-04	5.08E-04	4.06E-04	2.09E-04
1328	569722.11	4215087.04	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
1329	569726.79	4215095.54	6.52E-03	3.69E-03	9.96E-04	5.62E-04	4.49E-04	2.31E-04
1330	569731.46	4215104.04	6.86E-03	3.88E-03	1.05E-03	5.91E-04	4.73E-04	2.43E-04
1331	569736.14	4215112.54	7.22E-03	4.09E-03	1.10E-03	6.22E-04	4.98E-04	2.56E-04
1332	569740.81	4215121.05	7.62E-03	4.31E-03	1.16E-03	6.56E-04	5.25E-04	2.70E-04
1333	569773.53	4215180.56	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1334	569778.21	4215189.06	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1335	569782.88	4215197.56	1.41E-02	8.00E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1336	569787.56	4215206.07	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1337	569792.23	4215214.57	1.55E-02	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
1338	569796.91	4215223.07	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04
1339	569801.58	4215231.57	1.59E-02	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
1340	569670.18	4215006.11	4.05E-03	2.30E-03	6.19E-04	3.49E-04	2.79E-04	1.44E-04
1341	569669.09	4214996.88	3.94E-03	2.23E-03	6.02E-04	3.40E-04	2.72E-04	1.40E-04
1342	569668	4214987.64	3.84E-03	2.18E-03	5.87E-04	3.31E-04	2.65E-04	1.36E-04
1343	569666.91	4214978.41	3.74E-03	2.12E-03	5.71E-04	3.22E-04	2.58E-04	1.33E-04
1344	569665.81	4214969.18	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
1345	569664.72	4214959.95	3.54E-03	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
1346	569663.63	4214950.72	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1347	569662.53	4214941.48	3.30E-03	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1348	569661.44	4214932.25	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04

1349	569660.35	4214923.02	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
1350	569659.25	4214913.79	2.95E-03	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.05E-04
1351	569658.16	4214904.56	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
1352	569657.07	4214895.32	2.73E-03	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.68E-05
1353	569655.97	4214886.09	2.62E-03	1.49E-03	4.01E-04	2.26E-04	1.81E-04	9.30E-05
1354	569654.88	4214876.86	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1355	569653.79	4214867.63	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.68E-04	8.62E-05
1356	569652.7	4214858.4	2.35E-03	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.33E-05
1357	569651.6	4214849.17	2.27E-03	1.29E-03	3.47E-04	1.96E-04	1.56E-04	8.05E-05
1358	569650.51	4214839.93	2.20E-03	1.25E-03	3.36E-04	1.89E-04	1.52E-04	7.80E-05
1359	569671.28	4215015.34	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
1360	569675.95	4215023.84	4.35E-03	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
1361	569680.63	4215032.34	4.52E-03	2.56E-03	6.91E-04	3.90E-04	3.12E-04	1.60E-04
1362	569685.3	4215040.84	4.71E-03	2.67E-03	7.19E-04	4.06E-04	3.24E-04	1.67E-04
1363	569689.98	4215049.35	4.91E-03	2.78E-03	7.50E-04	4.23E-04	3.39E-04	1.74E-04
1364	569694.65	4215057.85	5.15E-03	2.92E-03	7.86E-04	4.43E-04	3.55E-04	1.83E-04
1365	569699.33	4215066.35	5.39E-03	3.05E-03	8.23E-04	4.64E-04	3.71E-04	1.91E-04
1366	569704	4215074.85	5.64E-03	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
1367	569708.67	4215083.35	5.92E-03	3.36E-03	9.04E-04	5.10E-04	4.08E-04	2.10E-04
1368	569713.35	4215091.86	6.22E-03	3.53E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
1369	569718.02	4215100.36	6.54E-03	3.71E-03	9.99E-04	5.64E-04	4.51E-04	2.32E-04
1370	569722.7	4215108.86	6.88E-03	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
1371	569727.37	4215117.36	7.27E-03	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
1372	569764.77	4215185.38	1.22E-02	6.91E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04
1373	569769.44	4215193.88	1.32E-02	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1374	569774.12	4215202.38	1.38E-02	7.79E-03	2.10E-03	1.19E-03	9.48E-04	4.88E-04
1375	569778.79	4215210.88	1.42E-02	8.06E-03	2.17E-03	1.23E-03	9.81E-04	5.05E-04
1376	569783.47	4215219.39	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1377	569788.14	4215227.89	1.52E-02	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
1378	569792.82	4215236.39	1.46E-02	8.28E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1379	569661.38	4215010.57	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
1380	569660.24	4215000.98	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
1381	569659.11	4214991.4	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
1382	569657.97	4214981.81	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.33E-04
1383	569656.84	4214972.22	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1384	569655.7	4214962.64	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1385	569654.57	4214953.05	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1386	569653.43	4214943.46	3.28E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
1387	569652.3	4214933.87	3.17E-03	1.79E-03	4.83E-04	2.73E-04	2.18E-04	1.12E-04
1388	569651.16	4214924.29	3.05E-03	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
1389	569650.03	4214914.7	2.93E-03	1.66E-03	4.48E-04	2.53E-04	2.02E-04	1.04E-04
1390	569648.89	4214905.11	2.82E-03	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
1391	569647.76	4214895.53	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1392	569646.62	4214885.94	2.62E-03	1.48E-03	4.00E-04	2.26E-04	1.80E-04	9.28E-05
1393	569645.49	4214876.35	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1394	569644.35	4214866.77	2.43E-03	1.38E-03	3.72E-04	2.10E-04	1.68E-04	8.63E-05
1395	569643.22	4214857.18	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1396	569662.51	4215020.16	4.22E-03	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
1397	569667.19	4215028.66	4.39E-03	2.48E-03	6.70E-04	3.78E-04	3.02E-04	1.56E-04
1398	569671.86	4215037.16	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
1399	569676.54	4215045.66	4.73E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1400	569681.21	4215054.16	4.95E-03	2.80E-03	7.55E-04	4.26E-04	3.41E-04	1.75E-04

1401	569685.89	4215062.67	5.17E-03	2.93E-03	7.90E-04	4.46E-04	3.56E-04	1.83E-04
1402	569690.56	4215071.17	5.41E-03	3.06E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1403	569695.24	4215079.67	5.67E-03	3.21E-03	8.65E-04	4.88E-04	3.91E-04	2.01E-04
1404	569699.91	4215088.17	5.95E-03	3.37E-03	9.09E-04	5.13E-04	4.10E-04	2.11E-04
1405	569704.59	4215096.67	6.25E-03	3.54E-03	9.54E-04	5.39E-04	4.31E-04	2.22E-04
1406	569709.26	4215105.18	6.57E-03	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
1407	569713.94	4215113.68	6.92E-03	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
1408	569718.61	4215122.18	7.33E-03	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
1409	569751.33	4215181.69	1.14E-02	6.47E-03	1.74E-03	9.84E-04	7.87E-04	4.05E-04
1410	569756.01	4215190.2	1.23E-02	6.95E-03	1.87E-03	1.06E-03	8.46E-04	4.35E-04
1411	569760.68	4215198.7	1.30E-02	7.37E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
1412	569765.36	4215207.2	1.33E-02	7.54E-03	2.03E-03	1.15E-03	9.17E-04	4.72E-04
1413	569770.03	4215215.7	1.37E-02	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1414	569774.71	4215224.2	1.42E-02	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
1415	569779.38	4215232.71	1.39E-02	7.89E-03	2.13E-03	1.20E-03	9.59E-04	4.94E-04
1416	569784.05	4215241.21	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1417	569652.63	4215015.49	4.11E-03	2.33E-03	6.28E-04	3.54E-04	2.83E-04	1.46E-04
1418	569651.5	4215006	4.00E-03	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1419	569650.38	4214996.5	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
1420	569649.26	4214987.01	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
1421	569648.13	4214977.52	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1422	569647.01	4214968.03	3.55E-03	2.01E-03	5.42E-04	3.06E-04	2.45E-04	1.26E-04
1423	569645.89	4214958.54	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1424	569644.76	4214949.05	3.31E-03	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1425	569643.64	4214939.56	3.19E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
1426	569642.52	4214930.07	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
1427	569641.39	4214920.58	2.98E-03	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
1428	569640.27	4214911.09	2.87E-03	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
1429	569639.14	4214901.6	2.77E-03	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
1430	569638.02	4214892.11	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
1431	569636.9	4214882.62	2.58E-03	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
1432	569635.77	4214873.13	2.50E-03	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
1433	569634.65	4214863.64	2.42E-03	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.59E-05
1434	569653.75	4215024.98	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
1435	569658.43	4215033.48	4.42E-03	2.50E-03	6.74E-04	3.80E-04	3.04E-04	1.57E-04
1436	569663.1	4215041.98	4.58E-03	2.59E-03	6.99E-04	3.95E-04	3.16E-04	1.62E-04
1437	569667.78	4215050.48	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.28E-04	1.69E-04
1438	569672.45	4215058.98	4.97E-03	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1439	569677.13	4215067.48	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1440	569681.8	4215075.99	5.41E-03	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1441	569686.47	4215084.49	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1442	569691.15	4215092.99	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
1443	569695.82	4215101.49	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
1444	569700.5	4215109.99	6.59E-03	3.74E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
1445	569737.9	4215178.01	1.07E-02	6.09E-03	1.64E-03	9.26E-04	7.40E-04	3.81E-04
1446	569742.57	4215186.51	1.15E-02	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
1447	569747.24	4215195.01	1.23E-02	6.98E-03	1.88E-03	1.06E-03	8.49E-04	4.37E-04
1448	569751.92	4215203.52	1.26E-02	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
1449	569756.59	4215212.02	1.28E-02	7.25E-03	1.95E-03	1.10E-03	8.82E-04	4.54E-04
1450	569761.27	4215220.52	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1451	569765.94	4215229.02	1.32E-02	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1452	569770.62	4215237.52	1.27E-02	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04

1453	569775.29	4215246.03	1.23E-02	6.96E-03	1.87E-03	1.06E-03	8.46E-04	4.36E-04
1454	569643.88	4215020.39	4.14E-03	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
1455	569642.76	4215010.99	4.02E-03	2.28E-03	6.14E-04	3.47E-04	2.77E-04	1.43E-04
1456	569641.65	4215001.59	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
1457	569640.54	4214992.19	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1458	569639.42	4214982.78	3.71E-03	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
1459	569638.31	4214973.38	3.58E-03	2.03E-03	5.47E-04	3.08E-04	2.47E-04	1.27E-04
1460	569637.2	4214963.98	3.45E-03	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1461	569636.08	4214954.58	3.33E-03	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
1462	569634.97	4214945.18	3.22E-03	1.82E-03	4.91E-04	2.77E-04	2.22E-04	1.14E-04
1463	569633.86	4214935.78	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
1464	569632.74	4214926.37	3.01E-03	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
1465	569631.63	4214916.97	2.91E-03	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
1466	569630.52	4214907.57	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
1467	569629.4	4214898.17	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1468	569628.29	4214888.77	2.64E-03	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.35E-05
1469	569627.18	4214879.37	2.56E-03	1.45E-03	3.91E-04	2.21E-04	1.76E-04	9.08E-05
1470	569626.07	4214869.96	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
1471	569644.99	4215029.79	4.28E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
1472	569649.66	4215038.3	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1473	569654.34	4215046.8	4.59E-03	2.60E-03	7.01E-04	3.96E-04	3.17E-04	1.63E-04
1474	569659.01	4215055.3	4.79E-03	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
1475	569663.69	4215063.8	4.98E-03	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
1476	569668.36	4215072.3	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1477	569673.04	4215080.8	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1478	569677.71	4215089.31	5.69E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1479	569682.39	4215097.81	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.11E-04	2.12E-04
1480	569687.06	4215106.31	6.28E-03	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
1481	569691.74	4215114.81	6.60E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
1482	569724.46	4215174.33	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
1483	569729.13	4215182.83	1.08E-02	6.12E-03	1.65E-03	9.32E-04	7.45E-04	3.83E-04
1484	569733.81	4215191.33	1.15E-02	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1485	569738.48	4215199.83	1.20E-02	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.26E-04
1486	569743.16	4215208.33	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1487	569747.83	4215216.84	1.23E-02	6.97E-03	1.88E-03	1.06E-03	8.48E-04	4.36E-04
1488	569752.51	4215225.34	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1489	569757.18	4215233.84	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
1490	569761.85	4215242.34	1.17E-02	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1491	569766.53	4215250.84	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.02E-04
1492	569635.12	4215025.29	4.17E-03	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1493	569634.02	4215015.97	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1494	569632.92	4215006.65	3.94E-03	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.40E-04
1495	569631.81	4214997.33	3.83E-03	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1496	569630.71	4214988.01	3.73E-03	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
1497	569629.6	4214978.69	3.61E-03	2.04E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04
1498	569628.5	4214969.37	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1499	569627.4	4214960.05	3.35E-03	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
1500	569626.29	4214950.73	3.24E-03	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
1501	569625.19	4214941.4	3.14E-03	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
1502	569624.09	4214932.08	3.05E-03	1.73E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1503	569622.98	4214922.76	2.95E-03	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
1504	569621.88	4214913.44	2.86E-03	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04

1505	569620.78	4214904.12	2.77E-03	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.82E-05
1506	569619.67	4214894.8	2.69E-03	1.52E-03	4.10E-04	2.32E-04	1.85E-04	9.53E-05
1507	569618.57	4214885.48	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
1508	569636.23	4215034.61	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1509	569640.9	4215043.11	4.44E-03	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
1510	569645.58	4215051.62	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.64E-04
1511	569650.25	4215060.12	4.80E-03	2.72E-03	7.32E-04	4.13E-04	3.31E-04	1.70E-04
1512	569654.92	4215068.62	4.99E-03	2.82E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
1513	569659.6	4215077.12	5.18E-03	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
1514	569664.27	4215085.62	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1515	569668.95	4215094.12	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1516	569673.62	4215102.63	5.96E-03	3.38E-03	9.10E-04	5.14E-04	4.11E-04	2.11E-04
1517	569678.3	4215111.13	6.25E-03	3.54E-03	9.55E-04	5.39E-04	4.31E-04	2.22E-04
1518	569682.97	4215119.63	6.56E-03	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
1519	569711.02	4215170.64	9.20E-03	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1520	569715.69	4215179.14	9.94E-03	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
1521	569720.37	4215187.65	1.07E-02	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1522	569725.04	4215196.15	1.15E-02	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1523	569729.72	4215204.65	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
1524	569734.39	4215213.15	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
1525	569739.07	4215221.65	1.18E-02	6.71E-03	1.81E-03	1.02E-03	8.16E-04	4.20E-04
1526	569743.74	4215230.16	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1527	569748.42	4215238.66	1.13E-02	6.37E-03	1.72E-03	9.70E-04	7.75E-04	3.99E-04
1528	569753.09	4215247.16	1.09E-02	6.16E-03	1.66E-03	9.37E-04	7.49E-04	3.86E-04
1529	569757.77	4215255.66	1.06E-02	5.98E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1530	569626.32	4215029.8	4.17E-03	2.36E-03	6.37E-04	3.60E-04	2.88E-04	1.48E-04
1531	569625.18	4215020.17	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1532	569624.04	4215010.54	3.93E-03	2.22E-03	6.00E-04	3.38E-04	2.71E-04	1.39E-04
1533	569622.9	4215000.9	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1534	569621.76	4214991.27	3.71E-03	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1535	569620.62	4214981.64	3.59E-03	2.03E-03	5.48E-04	3.09E-04	2.47E-04	1.27E-04
1536	569619.48	4214972.01	3.46E-03	1.96E-03	5.29E-04	2.98E-04	2.39E-04	1.23E-04
1537	569618.34	4214962.38	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
1538	569617.2	4214952.75	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
1539	569616.06	4214943.12	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.15E-04	1.11E-04
1540	569614.92	4214933.48	3.03E-03	1.72E-03	4.63E-04	2.61E-04	2.09E-04	1.08E-04
1541	569613.78	4214923.85	2.94E-03	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.04E-04
1542	569612.64	4214914.22	2.85E-03	1.62E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
1543	569611.5	4214904.59	2.76E-03	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.81E-05
1544	569610.36	4214894.96	2.68E-03	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
1545	569627.46	4215039.43	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1546	569632.14	4215047.93	4.45E-03	2.52E-03	6.80E-04	3.83E-04	3.07E-04	1.58E-04
1547	569636.81	4215056.43	4.62E-03	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
1548	569641.49	4215064.94	4.80E-03	2.72E-03	7.33E-04	4.13E-04	3.31E-04	1.70E-04
1549	569646.16	4215073.44	4.98E-03	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
1550	569650.84	4215081.94	5.18E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1551	569655.51	4215090.44	5.42E-03	3.07E-03	8.27E-04	4.67E-04	3.73E-04	1.92E-04
1552	569660.19	4215098.94	5.67E-03	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
1553	569664.86	4215107.44	5.94E-03	3.37E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
1554	569669.54	4215115.95	6.21E-03	3.52E-03	9.48E-04	5.35E-04	4.28E-04	2.20E-04
1555	569674.21	4215124.45	6.50E-03	3.68E-03	9.93E-04	5.60E-04	4.48E-04	2.31E-04
1556	569688.23	4215149.95	7.51E-03	4.25E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04

1557	569692.91	4215158.46	7.88E-03	4.47E-03	1.20E-03	6.79E-04	5.43E-04	2.80E-04
1558	569697.58	4215166.96	8.35E-03	4.73E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
1559	569702.26	4215175.46	9.00E-03	5.10E-03	1.37E-03	7.76E-04	6.20E-04	3.19E-04
1560	569706.93	4215183.96	9.73E-03	5.51E-03	1.49E-03	8.38E-04	6.70E-04	3.45E-04
1561	569711.61	4215192.46	1.05E-02	5.95E-03	1.60E-03	9.05E-04	7.24E-04	3.73E-04
1562	569716.28	4215200.97	1.10E-02	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
1563	569720.96	4215209.47	1.12E-02	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.97E-04
1564	569725.63	4215217.97	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
1565	569730.31	4215226.47	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1566	569734.98	4215234.97	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
1567	569739.65	4215243.48	1.05E-02	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1568	569744.33	4215251.98	1.01E-02	5.75E-03	1.55E-03	8.74E-04	6.99E-04	3.60E-04
1569	569749	4215260.48	9.86E-03	5.59E-03	1.51E-03	8.50E-04	6.79E-04	3.50E-04
1570	569984.77	4215238.15	5.42E-02	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1571	569985.08	4215247.82	4.98E-02	2.82E-02	7.61E-03	4.29E-03	3.43E-03	1.77E-03
1572	569985.4	4215257.49	4.53E-02	2.57E-02	6.92E-03	3.91E-03	3.12E-03	1.61E-03
1573	569985.71	4215267.16	4.08E-02	2.31E-02	6.22E-03	3.51E-03	2.81E-03	1.45E-03
1574	569986.03	4215276.84	3.67E-02	2.08E-02	5.60E-03	3.16E-03	2.53E-03	1.30E-03
1575	569986.34	4215286.51	3.33E-02	1.89E-02	5.09E-03	2.87E-03	2.30E-03	1.18E-03
1576	569986.66	4215296.18	3.25E-02	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
1577	569986.97	4215305.85	3.21E-02	1.82E-02	4.90E-03	2.77E-03	2.21E-03	1.14E-03
1578	569987.29	4215315.52	3.21E-02	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1579	569987.6	4215325.19	3.31E-02	1.88E-02	5.06E-03	2.86E-03	2.28E-03	1.18E-03
1580	569987.92	4215334.86	3.45E-02	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1581	569988.23	4215344.54	3.68E-02	2.09E-02	5.62E-03	3.17E-03	2.54E-03	1.31E-03
1582	569988.55	4215354.21	3.66E-02	2.07E-02	5.58E-03	3.15E-03	2.52E-03	1.30E-03
1583	569988.86	4215363.88	3.56E-02	2.02E-02	5.43E-03	3.07E-03	2.45E-03	1.26E-03
1584	569989.18	4215373.55	3.56E-02	2.02E-02	5.44E-03	3.07E-03	2.46E-03	1.26E-03
1585	569973.51	4215199.79	5.88E-02	3.33E-02	8.97E-03	5.06E-03	4.05E-03	2.08E-03
1586	569973.83	4215209.46	5.67E-02	3.21E-02	8.65E-03	4.88E-03	3.90E-03	2.01E-03
1587	569974.14	4215219.13	5.35E-02	3.03E-02	8.16E-03	4.61E-03	3.68E-03	1.90E-03
1588	569974.46	4215228.8	4.99E-02	2.83E-02	7.63E-03	4.30E-03	3.44E-03	1.77E-03
1589	569974.77	4215238.48	4.67E-02	2.65E-02	7.13E-03	4.02E-03	3.22E-03	1.66E-03
1590	569975.09	4215248.15	4.33E-02	2.45E-02	6.62E-03	3.73E-03	2.99E-03	1.54E-03
1591	569975.4	4215257.82	3.99E-02	2.26E-02	6.09E-03	3.44E-03	2.75E-03	1.41E-03
1592	569975.72	4215267.49	3.62E-02	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1593	569976.03	4215277.16	3.29E-02	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1594	569976.35	4215286.83	3.03E-02	1.72E-02	4.63E-03	2.61E-03	2.09E-03	1.08E-03
1595	569976.66	4215296.5	2.98E-02	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1596	569976.98	4215306.18	2.96E-02	1.68E-02	4.51E-03	2.55E-03	2.04E-03	1.05E-03
1597	569977.29	4215315.85	2.96E-02	1.68E-02	4.52E-03	2.55E-03	2.04E-03	1.05E-03
1598	569977.61	4215325.52	3.07E-02	1.74E-02	4.69E-03	2.65E-03	2.12E-03	1.09E-03
1599	569977.92	4215335.19	3.21E-02	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1600	569978.24	4215344.86	3.43E-02	1.95E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1601	569978.55	4215354.53	3.42E-02	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.21E-03
1602	569978.87	4215364.2	3.38E-02	1.91E-02	5.16E-03	2.91E-03	2.33E-03	1.20E-03
1603	569979.18	4215373.88	3.50E-02	1.98E-02	5.35E-03	3.02E-03	2.41E-03	1.24E-03
1604	569962.57	4215171.1	5.36E-02	3.04E-02	8.18E-03	4.62E-03	3.69E-03	1.90E-03
1605	569962.89	4215180.77	5.42E-02	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1606	569963.2	4215190.44	5.34E-02	3.02E-02	8.15E-03	4.60E-03	3.68E-03	1.89E-03
1607	569963.52	4215200.12	5.20E-02	2.94E-02	7.94E-03	4.48E-03	3.58E-03	1.84E-03
1608	569963.83	4215209.79	4.94E-02	2.80E-02	7.54E-03	4.25E-03	3.40E-03	1.75E-03

1609	569964.15	4215219.46	4.61E-02	2.61E-02	7.03E-03	3.97E-03	3.17E-03	1.63E-03
1610	569964.46	4215229.13	4.29E-02	2.43E-02	6.54E-03	3.69E-03	2.95E-03	1.52E-03
1611	569964.78	4215238.8	4.05E-02	2.29E-02	6.18E-03	3.49E-03	2.79E-03	1.44E-03
1612	569965.09	4215248.47	3.80E-02	2.15E-02	5.80E-03	3.28E-03	2.62E-03	1.35E-03
1613	569965.41	4215258.14	3.54E-02	2.01E-02	5.41E-03	3.05E-03	2.44E-03	1.26E-03
1614	569965.72	4215267.82	3.23E-02	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1615	569966.04	4215277.49	2.97E-02	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1616	569966.35	4215287.16	2.77E-02	1.57E-02	4.23E-03	2.39E-03	1.91E-03	9.82E-04
1617	569966.67	4215296.83	2.74E-02	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.72E-04
1618	569966.98	4215306.5	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1619	569967.3	4215316.17	2.74E-02	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.70E-04
1620	569967.61	4215325.84	2.85E-02	1.62E-02	4.35E-03	2.46E-03	1.97E-03	1.01E-03
1621	569967.93	4215335.52	2.98E-02	1.69E-02	4.56E-03	2.57E-03	2.06E-03	1.06E-03
1622	569968.24	4215345.19	3.14E-02	1.78E-02	4.79E-03	2.71E-03	2.16E-03	1.11E-03
1623	569968.56	4215354.86	3.15E-02	1.78E-02	4.80E-03	2.71E-03	2.17E-03	1.12E-03
1624	569968.87	4215364.53	3.22E-02	1.83E-02	4.92E-03	2.78E-03	2.22E-03	1.14E-03
1625	569969.19	4215374.2	3.48E-02	1.97E-02	5.32E-03	3.00E-03	2.40E-03	1.24E-03
1626	569952.26	4215161.76	4.68E-02	2.65E-02	7.14E-03	4.03E-03	3.22E-03	1.66E-03
1627	569952.58	4215171.43	4.82E-02	2.73E-02	7.37E-03	4.16E-03	3.32E-03	1.71E-03
1628	569952.89	4215181.1	4.86E-02	2.75E-02	7.42E-03	4.19E-03	3.35E-03	1.72E-03
1629	569953.21	4215190.77	4.79E-02	2.71E-02	7.31E-03	4.12E-03	3.30E-03	1.70E-03
1630	569953.52	4215200.44	4.65E-02	2.64E-02	7.11E-03	4.01E-03	3.21E-03	1.65E-03
1631	569953.84	4215210.11	4.39E-02	2.49E-02	6.71E-03	3.78E-03	3.03E-03	1.56E-03
1632	569954.15	4215219.78	4.07E-02	2.30E-02	6.21E-03	3.51E-03	2.80E-03	1.44E-03
1633	569954.47	4215229.46	3.77E-02	2.13E-02	5.75E-03	3.25E-03	2.60E-03	1.34E-03
1634	569954.78	4215239.13	3.56E-02	2.02E-02	5.44E-03	3.07E-03	2.45E-03	1.26E-03
1635	569955.1	4215248.8	3.35E-02	1.90E-02	5.12E-03	2.89E-03	2.31E-03	1.19E-03
1636	569955.41	4215258.47	3.14E-02	1.78E-02	4.80E-03	2.71E-03	2.16E-03	1.11E-03
1637	569955.73	4215268.14	2.92E-02	1.65E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
1638	569956.04	4215277.81	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1639	569956.36	4215287.48	2.58E-02	1.46E-02	3.94E-03	2.23E-03	1.78E-03	9.16E-04
1640	569956.67	4215297.16	2.56E-02	1.45E-02	3.90E-03	2.20E-03	1.76E-03	9.07E-04
1641	569956.99	4215306.83	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.02E-04
1642	569957.3	4215316.5	2.55E-02	1.44E-02	3.89E-03	2.20E-03	1.76E-03	9.05E-04
1643	569957.62	4215326.17	2.65E-02	1.50E-02	4.04E-03	2.28E-03	1.82E-03	9.39E-04
1644	569957.93	4215335.84	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.77E-04
1645	569958.25	4215345.51	2.88E-02	1.63E-02	4.40E-03	2.49E-03	1.99E-03	1.02E-03
1646	569958.56	4215355.18	2.92E-02	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1647	569958.88	4215364.86	3.05E-02	1.73E-02	4.66E-03	2.63E-03	2.10E-03	1.08E-03
1648	569959.19	4215374.53	3.45E-02	1.95E-02	5.27E-03	2.97E-03	2.38E-03	1.22E-03
1649	569942.58	4215171.75	4.38E-02	2.48E-02	6.69E-03	3.77E-03	3.02E-03	1.55E-03
1650	569942.9	4215181.42	4.40E-02	2.49E-02	6.72E-03	3.79E-03	3.03E-03	1.56E-03
1651	569943.21	4215191.1	4.39E-02	2.49E-02	6.70E-03	3.78E-03	3.02E-03	1.56E-03
1652	569943.53	4215200.77	4.19E-02	2.37E-02	6.40E-03	3.61E-03	2.89E-03	1.49E-03
1653	569943.84	4215210.44	3.93E-02	2.23E-02	6.00E-03	3.39E-03	2.71E-03	1.39E-03
1654	569944.16	4215220.11	3.62E-02	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1655	569944.47	4215229.78	3.34E-02	1.89E-02	5.10E-03	2.88E-03	2.30E-03	1.18E-03
1656	569944.79	4215239.45	3.16E-02	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
1657	569945.1	4215249.12	2.97E-02	1.68E-02	4.54E-03	2.56E-03	2.05E-03	1.05E-03
1658	569945.42	4215258.8	2.80E-02	1.59E-02	4.28E-03	2.42E-03	1.93E-03	9.94E-04
1659	569945.73	4215268.47	2.66E-02	1.51E-02	4.06E-03	2.29E-03	1.83E-03	9.42E-04
1660	569946.05	4215278.14	2.53E-02	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.96E-04

1661	569946.36	4215287.81	2.43E-02	1.38E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1662	569946.68	4215297.48	2.40E-02	1.36E-02	3.67E-03	2.07E-03	1.65E-03	8.51E-04
1663	569946.99	4215307.15	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
1664	569947.31	4215316.82	2.39E-02	1.35E-02	3.65E-03	2.06E-03	1.64E-03	8.47E-04
1665	569947.62	4215326.5	2.46E-02	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1666	569947.94	4215336.17	2.54E-02	1.44E-02	3.87E-03	2.19E-03	1.75E-03	8.99E-04
1667	569948.25	4215345.84	2.63E-02	1.49E-02	4.02E-03	2.27E-03	1.82E-03	9.35E-04
1668	569948.57	4215355.51	2.70E-02	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1669	569948.88	4215365.18	2.90E-02	1.64E-02	4.43E-03	2.50E-03	2.00E-03	1.03E-03
1670	569949.2	4215374.85	3.43E-02	1.94E-02	5.24E-03	2.96E-03	2.36E-03	1.22E-03
1671	569932.59	4215172.08	4.01E-02	2.27E-02	6.12E-03	3.45E-03	2.76E-03	1.42E-03
1672	569932.9	4215181.75	4.01E-02	2.27E-02	6.12E-03	3.46E-03	2.76E-03	1.42E-03
1673	569933.22	4215191.42	4.00E-02	2.27E-02	6.11E-03	3.45E-03	2.76E-03	1.42E-03
1674	569933.53	4215201.09	3.79E-02	2.15E-02	5.79E-03	3.27E-03	2.61E-03	1.35E-03
1675	569933.85	4215210.76	3.53E-02	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1676	569934.16	4215220.44	3.23E-02	1.83E-02	4.93E-03	2.78E-03	2.23E-03	1.15E-03
1677	569934.48	4215230.11	2.98E-02	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1678	569934.79	4215239.78	2.81E-02	1.59E-02	4.30E-03	2.42E-03	1.94E-03	9.98E-04
1679	569935.11	4215249.45	2.65E-02	1.50E-02	4.05E-03	2.29E-03	1.83E-03	9.42E-04
1680	569935.42	4215259.12	2.52E-02	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.95E-04
1681	569935.74	4215268.79	2.43E-02	1.38E-02	3.71E-03	2.10E-03	1.68E-03	8.63E-04
1682	569936.05	4215278.46	2.35E-02	1.33E-02	3.59E-03	2.03E-03	1.62E-03	8.34E-04
1683	569936.37	4215288.14	2.29E-02	1.30E-02	3.49E-03	1.97E-03	1.58E-03	8.11E-04
1684	569936.68	4215297.81	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
1685	569937	4215307.48	2.24E-02	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.94E-04
1686	569937.31	4215317.15	2.24E-02	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.93E-04
1687	569937.63	4215326.82	2.28E-02	1.29E-02	3.49E-03	1.97E-03	1.57E-03	8.10E-04
1688	569937.94	4215336.49	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
1689	569938.26	4215346.16	2.44E-02	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
1690	569938.57	4215355.84	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1691	569938.89	4215365.51	2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.93E-03	9.96E-04
1692	569939.2	4215375.18	3.47E-02	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
1693	569922.91	4215182.08	3.69E-02	2.09E-02	5.63E-03	3.18E-03	2.54E-03	1.31E-03
1694	569923.22	4215191.75	3.70E-02	2.09E-02	5.64E-03	3.18E-03	2.55E-03	1.31E-03
1695	569923.54	4215201.42	3.53E-02	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1696	569923.85	4215211.09	3.27E-02	1.85E-02	4.99E-03	2.82E-03	2.25E-03	1.16E-03
1697	569924.17	4215220.76	2.97E-02	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1698	569924.48	4215230.43	2.73E-02	1.54E-02	4.16E-03	2.35E-03	1.88E-03	9.67E-04
1699	569924.8	4215240.1	2.57E-02	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.11E-04
1700	569925.11	4215249.78	2.42E-02	1.37E-02	3.69E-03	2.08E-03	1.67E-03	8.57E-04
1701	569925.43	4215259.45	2.30E-02	1.30E-02	3.51E-03	1.98E-03	1.59E-03	8.16E-04
1702	569925.74	4215269.12	2.23E-02	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.92E-04
1703	569926.06	4215278.79	2.18E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.72E-04
1704	569926.37	4215288.46	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1705	569926.69	4215298.13	2.10E-02	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.45E-04
1706	569927	4215307.8	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1707	569927.32	4215317.48	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1708	569927.63	4215327.15	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
1709	569927.95	4215336.82	2.19E-02	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.78E-04
1710	569928.26	4215346.49	2.29E-02	1.30E-02	3.50E-03	1.97E-03	1.58E-03	8.12E-04
1711	569928.58	4215356.16	2.42E-02	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1712	569928.89	4215365.83	2.73E-02	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04

1713	569929.21	4215375.5	3.46E-02	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1714	569912.91	4215182.4	3.41E-02	1.93E-02	5.20E-03	2.93E-03	2.35E-03	1.21E-03
1715	569913.23	4215192.07	3.43E-02	1.94E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1716	569913.54	4215201.74	3.29E-02	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1717	569913.86	4215211.42	3.04E-02	1.72E-02	4.64E-03	2.62E-03	2.09E-03	1.08E-03
1718	569914.17	4215221.09	2.74E-02	1.55E-02	4.19E-03	2.36E-03	1.89E-03	9.73E-04
1719	569914.49	4215230.76	2.51E-02	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.90E-04
1720	569914.8	4215240.43	2.36E-02	1.34E-02	3.60E-03	2.03E-03	1.62E-03	8.36E-04
1721	569915.12	4215250.1	2.22E-02	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.86E-04
1722	569915.43	4215259.77	2.11E-02	1.20E-02	3.22E-03	1.82E-03	1.45E-03	7.49E-04
1723	569915.75	4215269.44	2.06E-02	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1724	569916.06	4215279.12	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1725	569916.38	4215288.79	1.97E-02	1.11E-02	3.00E-03	1.70E-03	1.36E-03	6.98E-04
1726	569916.69	4215298.46	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
1727	569917.01	4215308.13	1.93E-02	1.10E-02	2.95E-03	1.67E-03	1.33E-03	6.86E-04
1728	569917.32	4215317.8	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
1729	569917.64	4215327.47	1.99E-02	1.13E-02	3.03E-03	1.71E-03	1.37E-03	7.04E-04
1730	569917.95	4215337.14	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1731	569918.27	4215346.82	2.17E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1732	569918.58	4215356.49	2.31E-02	1.31E-02	3.53E-03	1.99E-03	1.59E-03	8.19E-04
1733	569918.9	4215366.16	2.61E-02	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.26E-04
1734	569919.21	4215375.83	3.24E-02	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1735	569903.23	4215192.4	3.20E-02	1.81E-02	4.89E-03	2.76E-03	2.21E-03	1.14E-03
1736	569903.55	4215202.07	3.08E-02	1.74E-02	4.70E-03	2.65E-03	2.12E-03	1.09E-03
1737	569903.86	4215211.74	2.83E-02	1.61E-02	4.33E-03	2.44E-03	1.95E-03	1.01E-03
1738	569904.18	4215221.41	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1739	569904.49	4215231.08	2.32E-02	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
1740	569904.81	4215240.75	2.17E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1741	569905.12	4215250.43	2.04E-02	1.15E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
1742	569905.44	4215260.1	1.95E-02	1.10E-02	2.98E-03	1.68E-03	1.34E-03	6.91E-04
1743	569905.75	4215269.77	1.91E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.76E-04
1744	569906.07	4215279.44	1.87E-02	1.06E-02	2.85E-03	1.61E-03	1.29E-03	6.62E-04
1745	569906.38	4215289.11	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
1746	569906.7	4215298.78	1.80E-02	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
1747	569907.01	4215308.45	1.78E-02	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1748	569907.33	4215318.13	1.78E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
1749	569907.64	4215327.8	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1750	569907.96	4215337.47	1.94E-02	1.10E-02	2.97E-03	1.67E-03	1.34E-03	6.89E-04
1751	569908.27	4215347.14	2.06E-02	1.16E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1752	569908.59	4215356.81	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1753	569908.9	4215366.48	2.42E-02	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1754	569909.22	4215376.15	2.85E-02	1.61E-02	4.35E-03	2.45E-03	1.96E-03	1.01E-03
1755	569893.24	4215192.72	3.00E-02	1.70E-02	4.58E-03	2.59E-03	2.07E-03	1.06E-03
1756	569893.55	4215202.39	2.91E-02	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1757	569893.87	4215212.07	2.70E-02	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1758	569894.18	4215221.74	2.43E-02	1.37E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1759	569894.5	4215231.41	2.21E-02	1.25E-02	3.38E-03	1.91E-03	1.53E-03	7.85E-04
1760	569894.81	4215241.08	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1761	569895.13	4215250.75	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.84E-04
1762	569895.44	4215260.42	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.27E-03	6.51E-04
1763	569895.76	4215270.09	1.78E-02	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1764	569896.07	4215279.77	1.73E-02	9.80E-03	2.64E-03	1.49E-03	1.19E-03	6.14E-04

1765	569896.39	4215289.44	1.69E-02	9.60E-03	2.59E-03	1.46E-03	1.17E-03	6.01E-04
1766	569896.7	4215299.11	1.67E-02	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
1767	569897.02	4215308.78	1.66E-02	9.39E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1768	569897.33	4215318.45	1.66E-02	9.40E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1769	569897.65	4215328.12	1.71E-02	9.71E-03	2.62E-03	1.48E-03	1.18E-03	6.08E-04
1770	569897.96	4215337.79	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
1771	569898.28	4215347.47	1.93E-02	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1772	569898.59	4215357.14	2.03E-02	1.15E-02	3.10E-03	1.75E-03	1.40E-03	7.20E-04
1773	569898.91	4215366.81	2.21E-02	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1774	569883.56	4215202.72	2.76E-02	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.79E-04
1775	569883.87	4215212.39	2.57E-02	1.46E-02	3.93E-03	2.22E-03	1.77E-03	9.13E-04
1776	569884.19	4215222.06	2.32E-02	1.32E-02	3.55E-03	2.00E-03	1.60E-03	8.24E-04
1777	569884.5	4215231.73	2.12E-02	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.52E-04
1778	569884.82	4215241.41	1.97E-02	1.11E-02	3.01E-03	1.70E-03	1.36E-03	6.98E-04
1779	569885.13	4215251.08	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
1780	569885.45	4215260.75	1.74E-02	9.84E-03	2.65E-03	1.50E-03	1.20E-03	6.16E-04
1781	569885.76	4215270.42	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1782	569886.08	4215280.09	1.61E-02	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.71E-04
1783	569886.39	4215289.76	1.57E-02	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
1784	569886.71	4215299.43	1.56E-02	8.84E-03	2.38E-03	1.34E-03	1.08E-03	5.53E-04
1785	569887.02	4215309.11	1.55E-02	8.79E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1786	569887.34	4215318.78	1.56E-02	8.82E-03	2.38E-03	1.34E-03	1.07E-03	5.52E-04
1787	569887.65	4215328.45	1.60E-02	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
1788	569887.97	4215338.12	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1789	569888.28	4215347.79	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1790	569888.6	4215357.46	1.87E-02	1.06E-02	2.86E-03	1.61E-03	1.29E-03	6.63E-04
1791	569888.91	4215367.13	1.99E-02	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.06E-04
1792	569873.56	4215203.05	2.62E-02	1.48E-02	4.00E-03	2.25E-03	1.80E-03	9.28E-04
1793	569873.88	4215212.72	2.46E-02	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1794	569874.19	4215222.39	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.90E-04
1795	569874.51	4215232.06	2.03E-02	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
1796	569874.82	4215241.73	1.88E-02	1.07E-02	2.87E-03	1.62E-03	1.30E-03	6.67E-04
1797	569875.14	4215251.4	1.75E-02	9.90E-03	2.67E-03	1.51E-03	1.20E-03	6.20E-04
1798	569875.45	4215261.07	1.65E-02	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.84E-04
1799	569875.77	4215270.75	1.57E-02	8.88E-03	2.39E-03	1.35E-03	1.08E-03	5.56E-04
1800	569876.08	4215280.42	1.50E-02	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
1801	569876.4	4215290.09	1.47E-02	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
1802	569876.71	4215299.76	1.46E-02	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
1803	569877.03	4215309.43	1.46E-02	8.25E-03	2.22E-03	1.25E-03	1.00E-03	5.17E-04
1804	569877.34	4215319.1	1.46E-02	8.29E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1805	569877.66	4215328.77	1.50E-02	8.48E-03	2.29E-03	1.29E-03	1.03E-03	5.31E-04
1806	569877.97	4215338.45	1.55E-02	8.78E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1807	569878.29	4215348.12	1.62E-02	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
1808	569878.6	4215357.79	1.69E-02	9.59E-03	2.59E-03	1.46E-03	1.17E-03	6.00E-04
1809	569878.92	4215367.46	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1810	569863.88	4215213.04	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.32E-04
1811	569864.2	4215222.71	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1812	569864.51	4215232.39	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1813	569864.83	4215242.06	1.85E-02	1.05E-02	2.83E-03	1.59E-03	1.28E-03	6.57E-04
1814	569865.14	4215251.73	1.71E-02	9.66E-03	2.60E-03	1.47E-03	1.18E-03	6.05E-04
1815	569865.46	4215261.4	1.60E-02	9.05E-03	2.44E-03	1.38E-03	1.10E-03	5.67E-04
1816	569865.77	4215271.07	1.52E-02	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04

1817	569866.09	4215280.74	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
1818	569866.4	4215290.41	1.41E-02	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
1819	569866.72	4215300.09	1.40E-02	7.90E-03	2.13E-03	1.20E-03	9.61E-04	4.95E-04
1820	569867.03	4215309.76	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
1821	569867.35	4215319.43	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.53E-04	4.91E-04
1822	569867.66	4215329.1	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.68E-04	4.98E-04
1823	569867.98	4215338.77	1.44E-02	8.15E-03	2.20E-03	1.24E-03	9.92E-04	5.11E-04
1824	569868.29	4215348.44	1.49E-02	8.44E-03	2.27E-03	1.28E-03	1.03E-03	5.28E-04
1825	569868.61	4215358.11	1.55E-02	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
1826	569868.92	4215367.79	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
1827	569853.89	4215213.37	2.24E-02	1.27E-02	3.43E-03	1.93E-03	1.55E-03	7.96E-04
1828	569854.21	4215223.04	2.13E-02	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.56E-04
1829	569854.52	4215232.71	1.98E-02	1.12E-02	3.03E-03	1.71E-03	1.37E-03	7.03E-04
1830	569854.84	4215242.38	1.82E-02	1.03E-02	2.78E-03	1.57E-03	1.26E-03	6.47E-04
1831	569855.15	4215252.05	1.67E-02	9.47E-03	2.55E-03	1.44E-03	1.15E-03	5.93E-04
1832	569855.47	4215261.73	1.56E-02	8.85E-03	2.39E-03	1.35E-03	1.08E-03	5.54E-04
1833	569855.78	4215271.4	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.26E-04
1834	569856.1	4215281.07	1.41E-02	8.01E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1835	569856.41	4215290.74	1.37E-02	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1836	569856.73	4215300.41	1.35E-02	7.62E-03	2.05E-03	1.16E-03	9.27E-04	4.77E-04
1837	569857.04	4215310.08	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
1838	569857.36	4215319.75	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
1839	569857.67	4215329.43	1.32E-02	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
1840	569857.99	4215339.1	1.34E-02	7.57E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1841	569858.3	4215348.77	1.36E-02	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
1842	569858.62	4215358.44	1.40E-02	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
1843	569858.93	4215368.11	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1844	569844.21	4215223.37	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1845	569844.53	4215233.04	1.95E-02	1.11E-02	2.98E-03	1.68E-03	1.35E-03	6.93E-04
1846	569844.84	4215242.71	1.80E-02	1.02E-02	2.74E-03	1.55E-03	1.24E-03	6.37E-04
1847	569845.16	4215252.38	1.64E-02	9.29E-03	2.50E-03	1.41E-03	1.13E-03	5.82E-04
1848	569845.47	4215262.05	1.53E-02	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
1849	569845.79	4215271.72	1.45E-02	8.22E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1850	569846.1	4215281.39	1.38E-02	7.83E-03	2.11E-03	1.19E-03	9.52E-04	4.90E-04
1851	569846.42	4215291.07	1.33E-02	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.72E-04
1852	569846.73	4215300.74	1.30E-02	7.34E-03	1.98E-03	1.12E-03	8.93E-04	4.60E-04
1853	569847.05	4215310.41	1.26E-02	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
1854	569847.36	4215320.08	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1855	569847.68	4215329.75	1.24E-02	7.02E-03	1.89E-03	1.07E-03	8.54E-04	4.40E-04
1856	569847.99	4215339.42	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1857	569848.31	4215349.09	1.25E-02	7.11E-03	1.92E-03	1.08E-03	8.65E-04	4.45E-04
1858	569848.62	4215358.77	1.28E-02	7.26E-03	1.96E-03	1.10E-03	8.83E-04	4.54E-04
1859	569848.94	4215368.44	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
1860	569834.22	4215223.69	1.97E-02	1.12E-02	3.01E-03	1.70E-03	1.36E-03	6.99E-04
1861	569834.53	4215233.36	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1862	569834.85	4215243.03	1.72E-02	9.74E-03	2.63E-03	1.48E-03	1.19E-03	6.10E-04
1863	569835.16	4215252.71	1.58E-02	8.95E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
1864	569835.48	4215262.38	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1865	569835.79	4215272.05	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
1866	569836.11	4215281.72	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
1867	569836.42	4215291.39	1.29E-02	7.29E-03	1.97E-03	1.11E-03	8.87E-04	4.56E-04
1868	569836.74	4215301.06	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04

1869	569837.05	4215310.73	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1870	569837.37	4215320.41	1.18E-02	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1871	569837.68	4215330.08	1.17E-02	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1872	569838	4215339.75	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1873	569838.31	4215349.42	1.17E-02	6.62E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
1874	569838.63	4215359.09	1.18E-02	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1875	569838.94	4215368.76	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1876	569824.54	4215233.69	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
1877	569824.85	4215243.36	1.64E-02	9.31E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
1878	569825.17	4215253.03	1.52E-02	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04
1879	569825.48	4215262.7	1.43E-02	8.08E-03	2.18E-03	1.23E-03	9.82E-04	5.06E-04
1880	569825.8	4215272.37	1.35E-02	7.67E-03	2.07E-03	1.17E-03	9.33E-04	4.80E-04
1881	569826.11	4215282.04	1.29E-02	7.32E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1882	569826.43	4215291.72	1.24E-02	7.03E-03	1.89E-03	1.07E-03	8.55E-04	4.40E-04
1883	569826.74	4215301.39	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
1884	569827.06	4215311.06	1.16E-02	6.55E-03	1.77E-03	9.96E-04	7.97E-04	4.10E-04
1885	569827.37	4215320.73	1.13E-02	6.40E-03	1.73E-03	9.73E-04	7.78E-04	4.01E-04
1886	569827.69	4215330.4	1.12E-02	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.96E-04
1887	569828	4215340.07	1.11E-02	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1888	569828.32	4215349.74	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
1889	569828.63	4215359.42	1.10E-02	6.26E-03	1.69E-03	9.51E-04	7.61E-04	3.92E-04
1890	569828.95	4215369.09	1.10E-02	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
1891	569814.86	4215243.68	1.57E-02	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.58E-04
1892	569815.17	4215253.36	1.46E-02	8.26E-03	2.23E-03	1.26E-03	1.00E-03	5.17E-04
1893	569815.49	4215263.03	1.37E-02	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.88E-04
1894	569815.8	4215272.7	1.31E-02	7.40E-03	2.00E-03	1.13E-03	9.01E-04	4.64E-04
1895	569816.12	4215282.37	1.25E-02	7.07E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1896	569816.43	4215292.04	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1897	569816.75	4215301.71	1.15E-02	6.51E-03	1.76E-03	9.91E-04	7.92E-04	4.08E-04
1898	569817.06	4215311.38	1.11E-02	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1899	569817.38	4215321.06	1.08E-02	6.11E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
1900	569817.69	4215330.73	1.06E-02	6.03E-03	1.63E-03	9.17E-04	7.33E-04	3.78E-04
1901	569818.01	4215340.4	1.05E-02	5.95E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1902	569818.32	4215350.07	1.04E-02	5.88E-03	1.59E-03	8.95E-04	7.16E-04	3.68E-04
1903	569818.64	4215359.74	1.03E-02	5.85E-03	1.58E-03	8.90E-04	7.12E-04	3.67E-04
1904	569818.95	4215369.41	1.02E-02	5.80E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
1905	569804.86	4215244.01	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1906	569805.18	4215253.68	1.37E-02	7.78E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
1907	569805.49	4215263.35	1.30E-02	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
1908	569805.81	4215273.02	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
1909	569806.12	4215282.7	1.18E-02	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
1910	569806.44	4215292.37	1.14E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1911	569806.75	4215302.04	1.09E-02	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
1912	569807.07	4215311.71	1.05E-02	5.97E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1913	569807.38	4215321.38	1.03E-02	5.83E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1914	569807.7	4215331.05	1.01E-02	5.74E-03	1.55E-03	8.73E-04	6.98E-04	3.59E-04
1915	569808.01	4215340.72	9.96E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
1916	569808.33	4215350.4	9.82E-03	5.56E-03	1.50E-03	8.46E-04	6.77E-04	3.48E-04
1917	569808.64	4215360.07	9.72E-03	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
1918	569808.96	4215369.74	9.59E-03	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
1919	569795.18	4215254.01	1.29E-02	7.31E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1920	569795.5	4215263.68	1.22E-02	6.92E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04

1921	569795.81	4215273.35	1.16E-02	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
1922	569796.13	4215283.02	1.11E-02	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
1923	569796.44	4215292.69	1.07E-02	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1924	569796.76	4215302.36	1.04E-02	5.88E-03	1.59E-03	8.94E-04	7.15E-04	3.68E-04
1925	569797.07	4215312.04	1.00E-02	5.68E-03	1.53E-03	8.65E-04	6.91E-04	3.56E-04
1926	569797.39	4215321.71	9.80E-03	5.55E-03	1.50E-03	8.44E-04	6.75E-04	3.48E-04
1927	569797.7	4215331.38	9.63E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1928	569798.02	4215341.05	9.46E-03	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.35E-04
1929	569798.33	4215350.72	9.31E-03	5.27E-03	1.42E-03	8.02E-04	6.41E-04	3.30E-04
1930	569798.65	4215360.39	9.20E-03	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1931	569785.19	4215254.33	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1932	569785.5	4215264	1.15E-02	6.52E-03	1.76E-03	9.92E-04	7.93E-04	4.08E-04
1933	569785.82	4215273.68	1.10E-02	6.22E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
1934	569786.13	4215283.35	1.05E-02	5.96E-03	1.61E-03	9.07E-04	7.25E-04	3.73E-04
1935	569786.45	4215293.02	1.02E-02	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
1936	569786.76	4215302.69	9.86E-03	5.59E-03	1.51E-03	8.50E-04	6.80E-04	3.50E-04
1937	569787.08	4215312.36	9.56E-03	5.41E-03	1.46E-03	8.23E-04	6.59E-04	3.39E-04
1938	569787.39	4215322.03	9.34E-03	5.29E-03	1.43E-03	8.05E-04	6.44E-04	3.31E-04
1939	569787.71	4215331.7	9.18E-03	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
1940	569788.02	4215341.38	8.99E-03	5.09E-03	1.37E-03	7.75E-04	6.19E-04	3.19E-04
1941	569788.34	4215351.05	8.84E-03	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.13E-04
1942	569788.65	4215360.72	8.72E-03	4.94E-03	1.33E-03	7.51E-04	6.01E-04	3.09E-04
1943	569775.51	4215264.33	1.09E-02	6.19E-03	1.67E-03	9.42E-04	7.53E-04	3.88E-04
1944	569775.82	4215274	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
1945	569776.14	4215283.67	1.00E-02	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.55E-04
1946	569776.45	4215293.34	9.66E-03	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
1947	569776.77	4215303.02	9.37E-03	5.31E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
1948	569777.08	4215312.69	9.07E-03	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1949	569777.4	4215322.36	8.87E-03	5.03E-03	1.35E-03	7.65E-04	6.11E-04	3.15E-04
1950	569777.71	4215332.03	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
1951	569778.03	4215341.7	8.52E-03	4.83E-03	1.30E-03	7.34E-04	5.87E-04	3.02E-04
1952	569778.34	4215351.37	8.37E-03	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1953	569778.66	4215361.04	8.25E-03	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1954	569765.51	4215264.66	1.04E-02	5.90E-03	1.59E-03	8.97E-04	7.17E-04	3.69E-04
1955	569765.83	4215274.33	9.93E-03	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
1956	569766.14	4215284	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
1957	569766.46	4215293.67	9.19E-03	5.21E-03	1.40E-03	7.92E-04	6.34E-04	3.26E-04
1958	569766.77	4215303.34	8.90E-03	5.04E-03	1.36E-03	7.67E-04	6.13E-04	3.16E-04
1959	569767.09	4215313.01	8.61E-03	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1960	569767.4	4215322.68	8.42E-03	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
1961	569767.72	4215332.36	8.25E-03	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1962	569768.03	4215342.03	8.06E-03	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
1963	569768.35	4215351.7	7.92E-03	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
1964	569768.66	4215361.37	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
1965	569755.83	4215274.65	9.46E-03	5.36E-03	1.45E-03	8.15E-04	6.52E-04	3.36E-04
1966	569756.15	4215284.32	9.07E-03	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1967	569756.46	4215293.99	8.76E-03	4.96E-03	1.34E-03	7.54E-04	6.03E-04	3.11E-04
1968	569756.78	4215303.67	8.47E-03	4.80E-03	1.29E-03	7.30E-04	5.83E-04	3.00E-04
1969	569757.09	4215313.34	8.20E-03	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
1970	569757.41	4215323.01	8.01E-03	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1971	569757.72	4215332.68	7.84E-03	4.44E-03	1.20E-03	6.76E-04	5.40E-04	2.78E-04
1972	569758.04	4215342.35	7.66E-03	4.34E-03	1.17E-03	6.60E-04	5.28E-04	2.72E-04

1973	569758.35	4215352.02	7.51E-03	4.26E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04
1974	569758.67	4215361.69	7.40E-03	4.19E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
1975	569745.84	4215274.98	9.03E-03	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1976	569746.15	4215284.65	8.66E-03	4.90E-03	1.32E-03	7.46E-04	5.97E-04	3.07E-04
1977	569746.47	4215294.32	8.37E-03	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1978	569746.78	4215303.99	8.10E-03	4.59E-03	1.24E-03	6.98E-04	5.58E-04	2.87E-04
1979	569747.1	4215313.66	7.85E-03	4.45E-03	1.20E-03	6.76E-04	5.41E-04	2.78E-04
1980	569747.41	4215323.33	7.67E-03	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
1981	569747.73	4215333.01	7.50E-03	4.25E-03	1.15E-03	6.46E-04	5.17E-04	2.66E-04
1982	569748.04	4215342.68	7.31E-03	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
1983	569748.36	4215352.35	7.17E-03	4.06E-03	1.09E-03	6.18E-04	4.94E-04	2.54E-04
1984	569735.21	4215255.96	9.51E-03	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
1985	569735.53	4215265.63	9.02E-03	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1986	569735.84	4215275.3	8.62E-03	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1987	569736.16	4215284.97	8.27E-03	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
1988	569736.47	4215294.65	8.01E-03	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1989	569736.79	4215304.32	7.77E-03	4.40E-03	1.19E-03	6.70E-04	5.35E-04	2.76E-04
1990	569737.1	4215313.99	7.54E-03	4.27E-03	1.15E-03	6.50E-04	5.20E-04	2.67E-04
1991	569737.42	4215323.66	7.37E-03	4.17E-03	1.13E-03	6.35E-04	5.08E-04	2.61E-04
1992	569737.73	4215333.33	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1993	569738.05	4215343	7.01E-03	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.49E-04
1994	569738.36	4215352.67	6.87E-03	3.89E-03	1.05E-03	5.92E-04	4.73E-04	2.44E-04
1995	569724.59	4215236.94	1.03E-02	5.82E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1996	569724.9	4215246.61	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1997	569725.22	4215256.29	9.08E-03	5.15E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
1998	569725.53	4215265.96	8.62E-03	4.88E-03	1.32E-03	7.43E-04	5.94E-04	3.06E-04
1999	569725.85	4215275.63	8.23E-03	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
2000	569726.16	4215285.3	7.90E-03	4.48E-03	1.21E-03	6.81E-04	5.45E-04	2.80E-04
2001	569726.48	4215294.97	7.68E-03	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
2002	569726.79	4215304.64	7.46E-03	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
2003	569727.11	4215314.31	7.25E-03	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2004	569727.42	4215323.99	7.08E-03	4.01E-03	1.08E-03	6.10E-04	4.88E-04	2.51E-04
2005	569727.74	4215333.66	6.91E-03	3.91E-03	1.06E-03	5.95E-04	4.76E-04	2.45E-04
2006	569728.05	4215343.33	6.72E-03	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2007	569728.37	4215353	6.59E-03	3.73E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
2008	569728.68	4215362.67	6.48E-03	3.67E-03	9.90E-04	5.59E-04	4.47E-04	2.30E-04
2009	569713.96	4215217.93	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
2010	569714.28	4215227.6	1.06E-02	6.02E-03	1.62E-03	9.16E-04	7.32E-04	3.77E-04
2011	569714.59	4215237.27	9.96E-03	5.64E-03	1.52E-03	8.59E-04	6.87E-04	3.53E-04
2012	569714.91	4215246.94	9.36E-03	5.30E-03	1.43E-03	8.06E-04	6.45E-04	3.32E-04
2013	569715.22	4215256.61	8.83E-03	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
2014	569715.54	4215266.28	8.36E-03	4.74E-03	1.28E-03	7.21E-04	5.76E-04	2.97E-04
2015	569715.85	4215275.95	7.98E-03	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2016	569716.17	4215285.63	7.64E-03	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
2017	569716.48	4215295.3	7.42E-03	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2018	569716.8	4215304.97	7.20E-03	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
2019	569717.11	4215314.64	6.99E-03	3.96E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
2020	569717.43	4215324.31	6.83E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2021	569717.74	4215333.98	6.65E-03	3.77E-03	1.02E-03	5.73E-04	4.58E-04	2.36E-04
2022	569718.06	4215343.65	6.46E-03	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
2023	569718.37	4215353.33	6.33E-03	3.59E-03	9.67E-04	5.45E-04	4.36E-04	2.25E-04
2024	569718.69	4215363	6.23E-03	3.53E-03	9.51E-04	5.36E-04	4.29E-04	2.21E-04

2025	569719	4215372.67	6.13E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2026	569719.32	4215382.34	6.09E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2027	569709.13	4215384.84	5.82E-03	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2028	569699.1	4215385.23	5.58E-03	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
2029	569702.37	4215376.72	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
2030	569705.64	4215368.2	5.85E-03	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
2031	569708.92	4215359.69	6.03E-03	3.42E-03	9.21E-04	5.20E-04	4.16E-04	2.14E-04
2032	569689.27	4215385.11	5.38E-03	3.05E-03	8.21E-04	4.63E-04	3.70E-04	1.91E-04
2033	569692.7	4215376.18	5.48E-03	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2034	569696.14	4215367.24	5.66E-03	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2035	569699.58	4215358.3	5.84E-03	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2036	569703.01	4215349.36	6.02E-03	3.41E-03	9.20E-04	5.19E-04	4.15E-04	2.14E-04
2037	569706.45	4215340.42	6.26E-03	3.55E-03	9.56E-04	5.39E-04	4.31E-04	2.22E-04
2038	569679.24	4215385.52	5.18E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
2039	569682.64	4215376.68	5.30E-03	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2040	569686.04	4215367.83	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2041	569689.44	4215358.99	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
2042	569692.84	4215350.14	5.80E-03	3.29E-03	8.86E-04	5.00E-04	4.00E-04	2.06E-04
2043	569696.24	4215341.3	6.02E-03	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.13E-04
2044	569699.64	4215332.45	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
2045	569703.04	4215323.61	6.51E-03	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2046	569706.44	4215314.76	6.75E-03	3.83E-03	1.03E-03	5.82E-04	4.65E-04	2.40E-04
2047	569669.21	4215385.91	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2048	569672.58	4215377.15	5.13E-03	2.91E-03	7.84E-04	4.42E-04	3.54E-04	1.82E-04
2049	569675.94	4215368.4	5.30E-03	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2050	569679.31	4215359.64	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2051	569682.68	4215350.88	5.63E-03	3.19E-03	8.60E-04	4.85E-04	3.88E-04	2.00E-04
2052	569686.05	4215342.12	5.82E-03	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2053	569689.41	4215333.36	6.05E-03	3.43E-03	9.24E-04	5.21E-04	4.17E-04	2.15E-04
2054	569692.78	4215324.6	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2055	569696.15	4215315.84	6.51E-03	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
2056	569699.52	4215307.08	6.78E-03	3.84E-03	1.04E-03	5.84E-04	4.67E-04	2.40E-04
2057	569702.88	4215298.32	7.06E-03	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2058	569706.25	4215289.56	7.34E-03	4.16E-03	1.12E-03	6.32E-04	5.06E-04	2.60E-04
2059	569659.18	4215386.3	4.82E-03	2.73E-03	7.36E-04	4.15E-04	3.32E-04	1.71E-04
2060	569662.52	4215377.62	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2061	569665.86	4215368.93	5.14E-03	2.91E-03	7.85E-04	4.43E-04	3.54E-04	1.82E-04
2062	569669.2	4215360.25	5.31E-03	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2063	569672.54	4215351.57	5.48E-03	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2064	569675.87	4215342.88	5.66E-03	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2065	569679.21	4215334.2	5.87E-03	3.32E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
2066	569682.55	4215325.52	6.08E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2067	569685.89	4215316.83	6.29E-03	3.57E-03	9.61E-04	5.42E-04	4.34E-04	2.23E-04
2068	569689.23	4215308.15	6.56E-03	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
2069	569692.57	4215299.46	6.82E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2070	569695.9	4215290.78	7.10E-03	4.02E-03	1.08E-03	6.12E-04	4.89E-04	2.52E-04
2071	569699.24	4215282.1	7.42E-03	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2072	569702.58	4215273.41	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2073	569705.92	4215264.73	8.24E-03	4.67E-03	1.26E-03	7.10E-04	5.68E-04	2.92E-04
2074	569649.16	4215386.68	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2075	569652.47	4215378.07	4.79E-03	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
2076	569655.79	4215369.45	4.97E-03	2.81E-03	7.58E-04	4.28E-04	3.42E-04	1.76E-04

2077	569659.1	4215360.84	5.15E-03	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2078	569662.41	4215352.22	5.32E-03	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
2079	569665.72	4215343.61	5.50E-03	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
2080	569669.03	4215334.99	5.70E-03	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
2081	569672.34	4215326.38	5.90E-03	3.34E-03	9.01E-04	5.08E-04	4.07E-04	2.09E-04
2082	569675.66	4215317.76	6.10E-03	3.46E-03	9.31E-04	5.26E-04	4.20E-04	2.16E-04
2083	569678.97	4215309.15	6.36E-03	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.26E-04
2084	569682.28	4215300.53	6.63E-03	3.76E-03	1.01E-03	5.72E-04	4.57E-04	2.35E-04
2085	569685.59	4215291.92	6.92E-03	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
2086	569688.9	4215283.3	7.21E-03	4.09E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
2087	569692.21	4215274.69	7.56E-03	4.29E-03	1.16E-03	6.52E-04	5.21E-04	2.68E-04
2088	569695.53	4215266.07	7.98E-03	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2089	569698.84	4215257.46	8.45E-03	4.79E-03	1.29E-03	7.28E-04	5.83E-04	3.00E-04
2090	569702.15	4215248.84	8.96E-03	5.08E-03	1.37E-03	7.72E-04	6.18E-04	3.18E-04
2091	569705.46	4215240.23	9.54E-03	5.40E-03	1.46E-03	8.22E-04	6.57E-04	3.38E-04
2092	569639.3	4215386.65	4.46E-03	2.53E-03	6.81E-04	3.85E-04	3.08E-04	1.58E-04
2093	569642.74	4215377.69	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2094	569646.19	4215368.73	4.82E-03	2.73E-03	7.36E-04	4.16E-04	3.32E-04	1.71E-04
2095	569649.63	4215359.77	5.02E-03	2.84E-03	7.67E-04	4.33E-04	3.46E-04	1.78E-04
2096	569653.08	4215350.81	5.21E-03	2.95E-03	7.95E-04	4.49E-04	3.59E-04	1.85E-04
2097	569656.52	4215341.85	5.40E-03	3.06E-03	8.25E-04	4.65E-04	3.72E-04	1.92E-04
2098	569659.96	4215332.89	5.61E-03	3.18E-03	8.57E-04	4.83E-04	3.87E-04	1.99E-04
2099	569663.41	4215323.93	5.81E-03	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
2100	569666.85	4215314.97	6.01E-03	3.41E-03	9.18E-04	5.18E-04	4.14E-04	2.13E-04
2101	569670.3	4215306.01	6.30E-03	3.57E-03	9.63E-04	5.43E-04	4.34E-04	2.24E-04
2102	569673.74	4215297.05	6.61E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2103	569677.19	4215288.09	6.92E-03	3.92E-03	1.06E-03	5.97E-04	4.77E-04	2.46E-04
2104	569680.63	4215279.13	7.25E-03	4.11E-03	1.11E-03	6.25E-04	5.00E-04	2.57E-04
2105	569684.07	4215270.17	7.63E-03	4.32E-03	1.17E-03	6.57E-04	5.26E-04	2.71E-04
2106	569687.52	4215261.21	8.07E-03	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
2107	569690.96	4215252.26	8.55E-03	4.85E-03	1.31E-03	7.37E-04	5.89E-04	3.03E-04
2108	569694.41	4215243.3	9.09E-03	5.15E-03	1.39E-03	7.83E-04	6.27E-04	3.23E-04
2109	569697.85	4215234.34	9.70E-03	5.49E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
2110	569701.29	4215225.38	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.65E-04
2111	569704.74	4215216.42	1.04E-02	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
2112	569629.27	4215387.04	4.31E-03	2.44E-03	6.57E-04	3.71E-04	2.97E-04	1.53E-04
2113	569632.69	4215378.16	4.47E-03	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2114	569636.1	4215369.27	4.66E-03	2.64E-03	7.12E-04	4.01E-04	3.21E-04	1.65E-04
2115	569639.52	4215360.39	4.86E-03	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
2116	569642.93	4215351.51	5.05E-03	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
2117	569646.34	4215342.63	5.25E-03	2.97E-03	8.02E-04	4.52E-04	3.62E-04	1.86E-04
2118	569649.76	4215333.75	5.46E-03	3.10E-03	8.34E-04	4.71E-04	3.77E-04	1.94E-04
2119	569653.17	4215324.87	5.67E-03	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
2120	569656.59	4215315.99	5.86E-03	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2121	569660	4215307.11	6.14E-03	3.48E-03	9.37E-04	5.29E-04	4.23E-04	2.18E-04
2122	569663.41	4215298.22	6.44E-03	3.65E-03	9.83E-04	5.55E-04	4.44E-04	2.28E-04
2123	569666.83	4215289.34	6.77E-03	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
2124	569670.24	4215280.46	7.09E-03	4.02E-03	1.08E-03	6.11E-04	4.89E-04	2.52E-04
2125	569673.66	4215271.58	7.44E-03	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2126	569677.07	4215262.7	7.83E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2127	569680.49	4215253.82	8.27E-03	4.69E-03	1.26E-03	7.13E-04	5.70E-04	2.93E-04
2128	569683.9	4215244.94	8.73E-03	4.94E-03	1.33E-03	7.52E-04	6.01E-04	3.10E-04

2129	569687.31	4215236.06	9.26E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
2130	569690.73	4215227.18	9.88E-03	5.60E-03	1.51E-03	8.51E-04	6.81E-04	3.50E-04
2131	569694.14	4215218.29	1.00E-02	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
2132	569697.56	4215209.41	1.01E-02	5.70E-03	1.54E-03	8.67E-04	6.94E-04	3.57E-04
2133	569625.86	4215395.92	4.14E-03	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
2134	569619.25	4215387.42	4.16E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
2135	569622.64	4215378.61	4.32E-03	2.45E-03	6.60E-04	3.73E-04	2.98E-04	1.53E-04
2136	569626.02	4215369.8	4.51E-03	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
2137	569629.41	4215360.99	4.71E-03	2.67E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2138	569632.8	4215352.18	4.90E-03	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
2139	569636.18	4215343.37	5.10E-03	2.89E-03	7.79E-04	4.40E-04	3.52E-04	1.81E-04
2140	569639.57	4215334.56	5.33E-03	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2141	569642.96	4215325.75	5.54E-03	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2142	569646.34	4215316.94	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
2143	569649.73	4215308.13	6.02E-03	3.41E-03	9.19E-04	5.18E-04	4.15E-04	2.13E-04
2144	569653.12	4215299.32	6.31E-03	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
2145	569656.5	4215290.51	6.63E-03	3.76E-03	1.01E-03	5.71E-04	4.57E-04	2.35E-04
2146	569659.89	4215281.7	6.95E-03	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
2147	569663.28	4215272.89	7.27E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2148	569666.66	4215264.08	7.63E-03	4.32E-03	1.16E-03	6.57E-04	5.26E-04	2.71E-04
2149	569670.05	4215255.27	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
2150	569673.44	4215246.46	8.41E-03	4.76E-03	1.28E-03	7.24E-04	5.79E-04	2.98E-04
2151	569676.82	4215237.65	8.84E-03	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.14E-04
2152	569680.21	4215228.84	9.35E-03	5.30E-03	1.43E-03	8.06E-04	6.44E-04	3.32E-04
2153	569683.6	4215220.03	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
2154	569686.98	4215211.23	9.55E-03	5.41E-03	1.46E-03	8.23E-04	6.58E-04	3.39E-04
2155	569690.37	4215202.42	9.62E-03	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
2156	569615.87	4215396.23	4.00E-03	2.27E-03	6.11E-04	3.45E-04	2.76E-04	1.42E-04
2157	569616.17	4215405.88	3.88E-03	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2158	569616.47	4215415.53	3.77E-03	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
2159	569609.23	4215387.79	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
2160	569612.59	4215379.05	4.19E-03	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
2161	569615.95	4215370.31	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2162	569619.32	4215361.56	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
2163	569622.68	4215352.82	4.75E-03	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
2164	569626.04	4215344.07	4.95E-03	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2165	569629.4	4215335.33	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.58E-04	1.84E-04
2166	569632.76	4215326.59	5.43E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
2167	569636.12	4215317.84	5.65E-03	3.20E-03	8.63E-04	4.87E-04	3.89E-04	2.00E-04
2168	569639.48	4215309.1	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
2169	569642.84	4215300.35	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
2170	569646.21	4215291.61	6.51E-03	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2171	569649.57	4215282.87	6.83E-03	3.87E-03	1.04E-03	5.88E-04	4.71E-04	2.42E-04
2172	569652.93	4215274.12	7.12E-03	4.03E-03	1.09E-03	6.13E-04	4.91E-04	2.53E-04
2173	569656.29	4215265.38	7.44E-03	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2174	569659.65	4215256.63	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2175	569663.01	4215247.89	8.12E-03	4.60E-03	1.24E-03	6.99E-04	5.59E-04	2.88E-04
2176	569666.37	4215239.14	8.48E-03	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
2177	569669.74	4215230.4	8.89E-03	5.04E-03	1.36E-03	7.66E-04	6.13E-04	3.15E-04
2178	569673.1	4215221.66	9.08E-03	5.14E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
2179	569676.46	4215212.91	9.04E-03	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2180	569679.82	4215204.17	9.03E-03	5.12E-03	1.38E-03	7.78E-04	6.23E-04	3.20E-04

2181	569683.18	4215195.42	9.04E-03	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2182	569695.14	4215182.97	9.06E-03	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04
2183	569605.87	4215396.54	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2184	569606.17	4215406.19	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2185	569606.47	4215415.84	3.65E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2186	569606.77	4215425.5	3.56E-03	2.02E-03	5.43E-04	3.07E-04	2.45E-04	1.26E-04
2187	569599.21	4215388.17	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2188	569602.55	4215379.48	4.06E-03	2.30E-03	6.19E-04	3.50E-04	2.80E-04	1.44E-04
2189	569605.89	4215370.8	4.23E-03	2.40E-03	6.46E-04	3.64E-04	2.92E-04	1.50E-04
2190	569609.23	4215362.11	4.42E-03	2.50E-03	6.75E-04	3.81E-04	3.04E-04	1.57E-04
2191	569612.57	4215353.43	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2192	569615.9	4215344.75	4.81E-03	2.72E-03	7.34E-04	4.14E-04	3.31E-04	1.70E-04
2193	569619.24	4215336.06	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
2194	569622.58	4215327.38	5.28E-03	2.99E-03	8.07E-04	4.55E-04	3.64E-04	1.87E-04
2195	569625.92	4215318.7	5.53E-03	3.13E-03	8.44E-04	4.76E-04	3.81E-04	1.96E-04
2196	569629.26	4215310.01	5.80E-03	3.28E-03	8.85E-04	4.99E-04	3.99E-04	2.06E-04
2197	569632.59	4215301.33	6.10E-03	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
2198	569635.93	4215292.64	6.41E-03	3.63E-03	9.79E-04	5.52E-04	4.42E-04	2.27E-04
2199	569639.27	4215283.96	6.72E-03	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2200	569642.61	4215275.28	6.98E-03	3.96E-03	1.07E-03	6.02E-04	4.81E-04	2.48E-04
2201	569645.95	4215266.59	7.27E-03	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
2202	569649.29	4215257.91	7.60E-03	4.30E-03	1.16E-03	6.55E-04	5.24E-04	2.69E-04
2203	569652.62	4215249.22	7.84E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2204	569655.96	4215240.54	8.11E-03	4.59E-03	1.24E-03	6.98E-04	5.59E-04	2.88E-04
2205	569659.3	4215231.86	8.44E-03	4.78E-03	1.29E-03	7.27E-04	5.82E-04	2.99E-04
2206	569662.64	4215223.17	8.68E-03	4.92E-03	1.33E-03	7.48E-04	5.98E-04	3.08E-04
2207	569665.98	4215214.49	8.59E-03	4.87E-03	1.31E-03	7.40E-04	5.92E-04	3.05E-04
2208	569669.31	4215205.81	8.53E-03	4.83E-03	1.30E-03	7.35E-04	5.88E-04	3.02E-04
2209	569672.65	4215197.12	8.49E-03	4.81E-03	1.30E-03	7.31E-04	5.85E-04	3.01E-04
2210	569675.99	4215188.44	8.36E-03	4.73E-03	1.28E-03	7.20E-04	5.76E-04	2.96E-04
2211	569687.87	4215176.07	8.38E-03	4.74E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
2212	569595.87	4215396.85	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2213	569596.17	4215406.5	3.63E-03	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
2214	569596.47	4215416.15	3.54E-03	2.01E-03	5.40E-04	3.05E-04	2.44E-04	1.26E-04
2215	569596.77	4215425.81	3.45E-03	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
2216	569597.07	4215435.46	3.37E-03	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
2217	569589.33	4215388.19	3.79E-03	2.15E-03	5.79E-04	3.26E-04	2.61E-04	1.34E-04
2218	569592.78	4215379.21	3.95E-03	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
2219	569596.23	4215370.24	4.12E-03	2.34E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2220	569599.68	4215361.27	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2221	569603.13	4215352.29	4.51E-03	2.55E-03	6.89E-04	3.89E-04	3.11E-04	1.60E-04
2222	569606.58	4215343.32	4.72E-03	2.67E-03	7.21E-04	4.07E-04	3.25E-04	1.67E-04
2223	569610.03	4215334.35	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2224	569613.48	4215325.37	5.22E-03	2.96E-03	7.98E-04	4.50E-04	3.60E-04	1.85E-04
2225	569616.92	4215316.4	5.49E-03	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2226	569620.37	4215307.43	5.77E-03	3.27E-03	8.81E-04	4.97E-04	3.98E-04	2.05E-04
2227	569623.82	4215298.45	6.08E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2228	569627.27	4215289.48	6.42E-03	3.64E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
2229	569630.72	4215280.51	6.71E-03	3.80E-03	1.02E-03	5.78E-04	4.62E-04	2.38E-04
2230	569634.17	4215271.53	7.00E-03	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.48E-04
2231	569637.62	4215262.56	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.59E-04
2232	569641.07	4215253.59	7.55E-03	4.28E-03	1.15E-03	6.50E-04	5.20E-04	2.68E-04

2233	569644.52	4215244.61	7.71E-03	4.37E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
2234	569647.97	4215235.64	7.92E-03	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
2235	569651.42	4215226.67	8.20E-03	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2236	569654.87	4215217.69	8.20E-03	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2237	569658.32	4215208.72	8.14E-03	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
2238	569661.77	4215199.75	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.54E-04	2.85E-04
2239	569665.22	4215190.77	7.92E-03	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
2240	569668.67	4215181.8	7.81E-03	4.43E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2241	569680.94	4215169.02	7.83E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2242	569585.88	4215397.16	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2243	569586.18	4215406.81	3.52E-03	1.99E-03	5.38E-04	3.03E-04	2.43E-04	1.25E-04
2244	569586.48	4215416.47	3.43E-03	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2245	569586.78	4215426.12	3.35E-03	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
2246	569587.08	4215435.77	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2247	569918.17	4215544.25	5.54E-03	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2248	569927.49	4215542.57	5.64E-03	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
2249	569936.8	4215540.89	5.75E-03	3.26E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
2250	569946.12	4215539.22	5.86E-03	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2251	569955.43	4215537.54	5.98E-03	3.39E-03	9.14E-04	5.16E-04	4.12E-04	2.12E-04
2252	569964.75	4215535.87	6.12E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2253	569974.06	4215534.19	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2254	569983.38	4215532.52	6.45E-03	3.66E-03	9.86E-04	5.56E-04	4.45E-04	2.29E-04
2255	569992.69	4215530.84	6.65E-03	3.77E-03	1.01E-03	5.73E-04	4.58E-04	2.36E-04
2256	570002.01	4215529.17	6.85E-03	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
2257	570011.32	4215527.49	7.06E-03	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2258	570020.64	4215525.82	7.26E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2259	569911.2	4215551.84	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2260	569902.47	4215549.6	5.28E-03	2.99E-03	8.06E-04	4.55E-04	3.64E-04	1.87E-04
2261	569929.26	4215552.41	5.18E-03	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
2262	569938.57	4215550.74	5.27E-03	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2263	569947.89	4215549.06	5.36E-03	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
2264	569957.2	4215547.39	5.46E-03	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
2265	569966.52	4215545.71	5.57E-03	3.16E-03	8.51E-04	4.80E-04	3.84E-04	1.98E-04
2266	569975.83	4215544.04	5.70E-03	3.23E-03	8.70E-04	4.91E-04	3.93E-04	2.02E-04
2267	569985.15	4215542.36	5.84E-03	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2268	569994.46	4215540.68	5.99E-03	3.40E-03	9.15E-04	5.17E-04	4.13E-04	2.13E-04
2269	570003.78	4215539.01	6.16E-03	3.49E-03	9.41E-04	5.31E-04	4.24E-04	2.18E-04
2270	570013.09	4215537.33	6.33E-03	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
2271	570022.41	4215535.66	6.49E-03	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
2272	569913.03	4215561.7	4.79E-03	2.71E-03	7.31E-04	4.13E-04	3.30E-04	1.70E-04
2273	569895.65	4215557.24	4.95E-03	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2274	569878.28	4215552.77	5.12E-03	2.90E-03	7.81E-04	4.41E-04	3.53E-04	1.81E-04
2275	569921.71	4215563.93	4.70E-03	2.66E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2276	569931.03	4215562.25	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2277	569940.34	4215560.58	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
2278	569949.66	4215558.9	4.92E-03	2.79E-03	7.51E-04	4.24E-04	3.39E-04	1.74E-04
2279	569958.97	4215557.23	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2280	569968.29	4215555.55	5.09E-03	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
2281	569977.6	4215553.88	5.20E-03	2.94E-03	7.94E-04	4.48E-04	3.58E-04	1.84E-04
2282	569986.92	4215552.2	5.31E-03	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2283	569996.23	4215550.53	5.43E-03	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
2284	570005.55	4215548.85	5.56E-03	3.15E-03	8.49E-04	4.79E-04	3.83E-04	1.97E-04

2285	570014.86	4215547.18	5.69E-03	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
2286	570024.18	4215545.5	5.83E-03	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
2287	570033.49	4215543.83	5.95E-03	3.37E-03	9.08E-04	5.12E-04	4.10E-04	2.11E-04
2288	569914.84	4215571.55	4.43E-03	2.51E-03	6.76E-04	3.81E-04	3.05E-04	1.57E-04
2289	569897.56	4215567.11	4.58E-03	2.60E-03	7.00E-04	3.95E-04	3.16E-04	1.63E-04
2290	569880.28	4215562.67	4.74E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
2291	569862.99	4215558.23	4.88E-03	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
2292	569923.48	4215573.77	4.35E-03	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
2293	569932.8	4215572.1	4.40E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2294	569942.11	4215570.42	4.46E-03	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2295	569951.43	4215568.75	4.53E-03	2.57E-03	6.92E-04	3.90E-04	3.12E-04	1.61E-04
2296	569960.74	4215567.07	4.60E-03	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2297	569970.06	4215565.4	4.68E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2298	569979.37	4215563.72	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
2299	569988.69	4215562.04	4.85E-03	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
2300	569998	4215560.37	4.94E-03	2.80E-03	7.54E-04	4.26E-04	3.40E-04	1.75E-04
2301	570007.32	4215558.69	5.04E-03	2.86E-03	7.70E-04	4.35E-04	3.48E-04	1.79E-04
2302	570016.63	4215557.02	5.15E-03	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2303	570025.95	4215555.34	5.26E-03	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2304	569916.65	4215581.4	4.10E-03	2.32E-03	6.26E-04	3.53E-04	2.83E-04	1.45E-04
2305	569899.44	4215576.98	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
2306	569882.24	4215572.56	4.39E-03	2.49E-03	6.71E-04	3.79E-04	3.03E-04	1.56E-04
2307	569865.03	4215568.14	4.53E-03	2.57E-03	6.92E-04	3.91E-04	3.12E-04	1.61E-04
2308	569847.83	4215563.72	4.67E-03	2.64E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
2309	569830.62	4215559.3	4.60E-03	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2310	569934.57	4215581.94	4.08E-03	2.31E-03	6.22E-04	3.51E-04	2.81E-04	1.45E-04
2311	569943.88	4215580.26	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.84E-04	1.46E-04
2312	569953.2	4215578.59	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2313	569962.51	4215576.91	4.24E-03	2.40E-03	6.48E-04	3.66E-04	2.92E-04	1.50E-04
2314	569971.83	4215575.24	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
2315	569981.14	4215573.56	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2316	569990.46	4215571.89	4.44E-03	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
2317	569999.77	4215570.21	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2318	570009.09	4215568.54	4.60E-03	2.61E-03	7.03E-04	3.97E-04	3.17E-04	1.63E-04
2319	570064.98	4215558.48	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2320	570074.3	4215556.81	5.33E-03	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2321	570083.61	4215555.13	5.49E-03	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2322	569917.88	4215591.11	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2323	569908.74	4215588.76	3.88E-03	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2324	569899.6	4215586.41	3.95E-03	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2325	569890.46	4215584.06	4.03E-03	2.28E-03	6.16E-04	3.47E-04	2.78E-04	1.43E-04
2326	569881.32	4215581.71	4.10E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
2327	569872.18	4215579.37	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
2328	569863.04	4215577.02	4.25E-03	2.41E-03	6.48E-04	3.66E-04	2.93E-04	1.51E-04
2329	569853.9	4215574.67	4.32E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2330	569844.76	4215572.32	4.38E-03	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
2331	569835.62	4215569.97	4.29E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2332	569826.48	4215567.62	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
2333	569817.34	4215565.28	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2334	569808.2	4215562.93	4.41E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2335	569927.02	4215593.46	3.74E-03	2.12E-03	5.71E-04	3.22E-04	2.57E-04	1.33E-04
2336	569936.34	4215591.78	3.78E-03	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04

2337	569945.65	4215590.11	3.82E-03	2.17E-03	5.84E-04	3.29E-04	2.63E-04	1.36E-04
2338	569954.97	4215588.43	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2339	569964.28	4215586.75	3.92E-03	2.22E-03	5.99E-04	3.38E-04	2.70E-04	1.39E-04
2340	569973.6	4215585.08	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
2341	569982.91	4215583.4	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2342	569992.23	4215581.73	4.09E-03	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
2343	570048.12	4215571.68	4.55E-03	2.58E-03	6.95E-04	3.92E-04	3.14E-04	1.62E-04
2344	570057.43	4215570	4.65E-03	2.63E-03	7.10E-04	4.01E-04	3.20E-04	1.65E-04
2345	570066.75	4215568.33	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2346	570076.07	4215566.65	4.90E-03	2.77E-03	7.48E-04	4.22E-04	3.37E-04	1.74E-04
2347	570085.38	4215564.98	5.03E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
2348	569919.72	4215600.97	3.55E-03	2.01E-03	5.41E-04	3.06E-04	2.44E-04	1.26E-04
2349	569910.64	4215598.64	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
2350	569901.57	4215596.3	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2351	569892.5	4215593.97	3.75E-03	2.12E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2352	569883.43	4215591.64	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.36E-04
2353	569874.35	4215589.31	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
2354	569865.28	4215586.98	3.95E-03	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2355	569856.21	4215584.65	4.02E-03	2.28E-03	6.14E-04	3.46E-04	2.77E-04	1.43E-04
2356	569847.13	4215582.32	4.08E-03	2.31E-03	6.24E-04	3.52E-04	2.81E-04	1.45E-04
2357	569838.06	4215579.99	4.15E-03	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
2358	569828.99	4215577.66	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
2359	569819.91	4215575.33	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2360	569810.84	4215572.99	4.12E-03	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2361	569801.77	4215570.66	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
2362	569792.7	4215568.33	4.19E-03	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
2363	569928.79	4215603.3	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2364	569938.11	4215601.62	3.52E-03	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
2365	569947.42	4215599.95	3.55E-03	2.01E-03	5.43E-04	3.06E-04	2.45E-04	1.26E-04
2366	569956.74	4215598.27	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
2367	569966.05	4215596.6	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
2368	569975.37	4215594.92	3.68E-03	2.09E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2369	570031.26	4215584.87	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
2370	570040.57	4215583.19	4.12E-03	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2371	570049.89	4215581.52	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
2372	570059.2	4215579.84	4.29E-03	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2373	570068.52	4215578.17	4.40E-03	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
2374	570077.84	4215576.49	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2375	570087.15	4215574.82	4.64E-03	2.63E-03	7.09E-04	4.00E-04	3.20E-04	1.65E-04
2376	569921.55	4215610.82	3.31E-03	1.88E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
2377	569912.53	4215608.51	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2378	569903.52	4215606.19	3.43E-03	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2379	569894.51	4215603.88	3.50E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2380	569885.49	4215601.56	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2381	569876.48	4215599.25	3.63E-03	2.05E-03	5.54E-04	3.12E-04	2.50E-04	1.29E-04
2382	569867.46	4215596.93	3.69E-03	2.09E-03	5.63E-04	3.18E-04	2.54E-04	1.31E-04
2383	569858.45	4215594.61	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2384	569849.44	4215592.3	3.81E-03	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
2385	569840.42	4215589.98	3.87E-03	2.19E-03	5.91E-04	3.34E-04	2.67E-04	1.37E-04
2386	569831.41	4215587.67	3.93E-03	2.23E-03	6.00E-04	3.39E-04	2.71E-04	1.39E-04
2387	569822.4	4215585.35	3.82E-03	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
2388	569813.38	4215583.04	3.86E-03	2.18E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04

2389	569804.37	4215580.72	3.89E-03	2.21E-03	5.95E-04	3.36E-04	2.68E-04	1.38E-04
2390	569795.35	4215578.4	3.93E-03	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.39E-04
2391	569786.34	4215576.09	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.73E-04	1.41E-04
2392	569930.56	4215613.14	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2393	569939.88	4215611.46	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2394	569949.19	4215609.79	3.32E-03	1.88E-03	5.06E-04	2.86E-04	2.29E-04	1.18E-04
2395	570005.08	4215599.74	3.57E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2396	570014.4	4215598.06	3.62E-03	2.05E-03	5.52E-04	3.12E-04	2.49E-04	1.28E-04
2397	570023.71	4215596.39	3.68E-03	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
2398	570033.03	4215594.71	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2399	570042.34	4215593.04	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
2400	570051.66	4215591.36	3.90E-03	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
2401	570060.97	4215589.69	3.98E-03	2.26E-03	6.08E-04	3.43E-04	2.75E-04	1.41E-04
2402	570070.29	4215588.01	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2403	570079.61	4215586.34	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2404	570088.92	4215584.66	4.30E-03	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2405	569923.37	4215620.68	3.10E-03	1.76E-03	4.73E-04	2.67E-04	2.14E-04	1.10E-04
2406	569914.41	4215618.38	3.16E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2407	569905.45	4215616.08	3.21E-03	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
2408	569896.49	4215613.77	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2409	569887.53	4215611.47	3.33E-03	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2410	569878.56	4215609.17	3.39E-03	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
2411	569869.6	4215606.87	3.45E-03	1.95E-03	5.26E-04	2.97E-04	2.38E-04	1.22E-04
2412	569860.64	4215604.56	3.51E-03	1.99E-03	5.35E-04	3.02E-04	2.42E-04	1.24E-04
2413	569851.68	4215602.26	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2414	569842.72	4215599.96	3.62E-03	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2415	569833.76	4215597.66	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.53E-04	1.30E-04
2416	569824.8	4215595.36	3.73E-03	2.11E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
2417	569815.84	4215593.05	3.62E-03	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2418	569806.88	4215590.75	3.66E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2419	569797.92	4215588.45	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
2420	569788.95	4215586.15	3.73E-03	2.11E-03	5.69E-04	3.21E-04	2.57E-04	1.32E-04
2421	569932.33	4215622.98	3.05E-03	1.73E-03	4.65E-04	2.63E-04	2.10E-04	1.08E-04
2422	569988.22	4215612.93	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2423	569997.54	4215611.25	3.29E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
2424	570006.85	4215609.58	3.33E-03	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2425	570016.17	4215607.9	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2426	570025.48	4215606.23	3.42E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.21E-04
2427	570034.8	4215604.55	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
2428	570044.11	4215602.88	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2429	570053.43	4215601.2	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2430	570062.74	4215599.53	3.72E-03	2.11E-03	5.68E-04	3.20E-04	2.56E-04	1.32E-04
2431	570072.06	4215597.85	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2432	570081.38	4215596.18	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2433	570090.69	4215594.5	4.01E-03	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
2434	569925.19	4215630.53	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2435	569916.27	4215628.24	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2436	569907.36	4215625.95	3.01E-03	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
2437	569898.45	4215623.66	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
2438	569889.53	4215621.37	3.12E-03	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
2439	569880.62	4215619.08	3.17E-03	1.80E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
2440	569871.7	4215616.79	3.22E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04

2441	569862.79	4215614.5	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2442	569853.88	4215612.21	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
2443	569844.96	4215609.92	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
2444	569836.05	4215607.63	3.44E-03	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2445	569827.13	4215605.34	3.50E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2446	569818.22	4215603.05	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
2447	569809.31	4215600.76	3.44E-03	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2448	569800.39	4215598.47	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2449	569791.48	4215596.18	3.51E-03	1.99E-03	5.36E-04	3.02E-04	2.42E-04	1.24E-04
2450	569971.36	4215626.12	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
2451	569980.68	4215624.45	3.00E-03	1.70E-03	4.59E-04	2.59E-04	2.07E-04	1.07E-04
2452	569989.99	4215622.77	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
2453	569999.31	4215621.1	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2454	570008.62	4215619.42	3.11E-03	1.76E-03	4.76E-04	2.68E-04	2.15E-04	1.10E-04
2455	570017.94	4215617.75	3.15E-03	1.79E-03	4.81E-04	2.72E-04	2.17E-04	1.12E-04
2456	570027.25	4215616.07	3.20E-03	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2457	570036.57	4215614.4	3.26E-03	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
2458	570045.88	4215612.72	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2459	570055.2	4215611.05	3.41E-03	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
2460	570064.51	4215609.37	3.48E-03	1.97E-03	5.32E-04	3.00E-04	2.40E-04	1.24E-04
2461	570073.83	4215607.69	3.57E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2462	570083.15	4215606.02	3.65E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2463	570092.46	4215604.34	3.75E-03	2.13E-03	5.73E-04	3.24E-04	2.59E-04	1.33E-04
2464	569909.26	4215635.83	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
2465	569900.39	4215633.55	2.88E-03	1.63E-03	4.40E-04	2.48E-04	1.99E-04	1.02E-04
2466	569891.51	4215631.27	2.93E-03	1.66E-03	4.47E-04	2.53E-04	2.02E-04	1.04E-04
2467	569882.64	4215628.99	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2468	569873.77	4215626.71	3.03E-03	1.72E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
2469	569864.9	4215624.43	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2470	569856.03	4215622.15	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2471	569847.16	4215619.87	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
2472	569838.29	4215617.6	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
2473	569829.41	4215615.32	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2474	569820.54	4215613.04	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2475	569811.67	4215610.76	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2476	569802.8	4215608.48	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2477	569945.19	4215640.99	2.72E-03	1.54E-03	4.16E-04	2.34E-04	1.88E-04	9.65E-05
2478	569954.5	4215639.32	2.74E-03	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.73E-05
2479	569963.82	4215637.64	2.77E-03	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
2480	569973.13	4215635.97	2.79E-03	1.58E-03	4.26E-04	2.41E-04	1.92E-04	9.91E-05
2481	569982.45	4215634.29	2.82E-03	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
2482	569991.76	4215632.61	2.86E-03	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04
2483	570001.08	4215630.94	2.89E-03	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.03E-04
2484	570010.39	4215629.26	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
2485	570019.71	4215627.59	2.97E-03	1.68E-03	4.53E-04	2.56E-04	2.05E-04	1.05E-04
2486	570029.02	4215625.91	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2487	570038.34	4215624.24	3.07E-03	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2488	570047.65	4215622.56	3.13E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
2489	570056.97	4215620.89	3.20E-03	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2490	570066.28	4215619.21	3.27E-03	1.85E-03	5.00E-04	2.82E-04	2.25E-04	1.16E-04
2491	570075.6	4215617.54	3.35E-03	1.90E-03	5.11E-04	2.89E-04	2.31E-04	1.19E-04
2492	570084.92	4215615.86	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04

2493	570094.23	4215614.19	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
2494	569902.31	4215643.43	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2495	569893.48	4215641.16	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2496	569884.64	4215638.89	2.80E-03	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.94E-05
2497	569875.81	4215636.62	2.85E-03	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
2498	569866.98	4215634.35	2.90E-03	1.64E-03	4.42E-04	2.49E-04	2.00E-04	1.03E-04
2499	569858.14	4215632.08	2.94E-03	1.67E-03	4.49E-04	2.54E-04	2.03E-04	1.04E-04
2500	569849.31	4215629.82	2.99E-03	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2501	569840.48	4215627.55	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
2502	569831.64	4215625.28	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
2503	569822.81	4215623.01	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2504	569813.98	4215620.74	3.18E-03	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
2505	569937.64	4215652.51	2.55E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.05E-05
2506	569946.96	4215650.83	2.57E-03	1.46E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
2507	569956.27	4215649.16	2.59E-03	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.18E-05
2508	569965.59	4215647.48	2.61E-03	1.48E-03	3.98E-04	2.25E-04	1.80E-04	9.25E-05
2509	569974.9	4215645.81	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
2510	569984.22	4215644.13	2.66E-03	1.51E-03	4.06E-04	2.29E-04	1.83E-04	9.43E-05
2511	569993.53	4215642.46	2.69E-03	1.52E-03	4.11E-04	2.32E-04	1.85E-04	9.54E-05
2512	570002.85	4215640.78	2.73E-03	1.54E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2513	570012.16	4215639.11	2.76E-03	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.80E-05
2514	570021.48	4215637.43	2.80E-03	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.95E-05
2515	570030.79	4215635.76	2.85E-03	1.61E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
2516	570040.11	4215634.08	2.90E-03	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2517	570049.42	4215632.4	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2518	570058.74	4215630.73	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2519	570068.05	4215629.05	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
2520	570077.37	4215627.38	3.15E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2521	570086.69	4215625.7	3.23E-03	1.83E-03	4.94E-04	2.79E-04	2.23E-04	1.15E-04
2522	570096	4215624.03	3.32E-03	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
2523	569930.61	4215660.09	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2524	569921.81	4215657.83	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2525	569895.42	4215651.05	2.60E-03	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.23E-05
2526	569886.62	4215648.79	2.64E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
2527	569877.82	4215646.53	2.68E-03	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
2528	569869.03	4215644.27	2.73E-03	1.55E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2529	569860.23	4215642.01	2.77E-03	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.83E-05
2530	569851.43	4215639.75	2.81E-03	1.59E-03	4.30E-04	2.43E-04	1.94E-04	9.98E-05
2531	569842.63	4215637.49	2.86E-03	1.62E-03	4.37E-04	2.46E-04	1.97E-04	1.01E-04
2532	569833.83	4215635.23	2.90E-03	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2533	569816.24	4215630.71	2.99E-03	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2534	569939.41	4215662.35	2.41E-03	1.37E-03	3.69E-04	2.08E-04	1.66E-04	8.56E-05
2535	569948.73	4215660.68	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2536	569958.04	4215659	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.68E-05
2537	569967.36	4215657.32	2.47E-03	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
2538	569976.67	4215655.65	2.49E-03	1.41E-03	3.80E-04	2.15E-04	1.72E-04	8.83E-05
2539	569985.99	4215653.97	2.51E-03	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
2540	569995.3	4215652.3	2.54E-03	1.44E-03	3.88E-04	2.19E-04	1.75E-04	9.02E-05
2541	570004.62	4215650.62	2.58E-03	1.46E-03	3.93E-04	2.22E-04	1.78E-04	9.14E-05
2542	570013.93	4215648.95	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
2543	570023.25	4215647.27	2.66E-03	1.50E-03	4.06E-04	2.29E-04	1.83E-04	9.42E-05
2544	570032.56	4215645.6	2.70E-03	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05

2545	570041.88	4215643.92	2.74E-03	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.74E-05
2546	570051.19	4215642.25	2.80E-03	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
2547	570060.51	4215640.57	2.85E-03	1.62E-03	4.35E-04	2.46E-04	1.97E-04	1.01E-04
2548	570069.83	4215638.9	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2549	570079.14	4215637.22	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2550	570088.46	4215635.55	3.05E-03	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
2551	570097.77	4215633.87	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2552	569932.02	4215669.84	2.32E-03	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
2553	569922.85	4215667.48	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2554	569913.69	4215665.13	2.39E-03	1.36E-03	3.65E-04	2.06E-04	1.65E-04	8.49E-05
2555	569877.03	4215655.71	2.55E-03	1.44E-03	3.89E-04	2.20E-04	1.76E-04	9.04E-05
2556	569867.86	4215653.36	2.59E-03	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.19E-05
2557	569858.7	4215651	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05
2558	569849.53	4215648.65	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
2559	569840.37	4215646.29	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2560	569831.2	4215643.94	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2561	569941.18	4215672.19	2.29E-03	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.12E-05
2562	569950.5	4215670.52	2.30E-03	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.17E-05
2563	569959.81	4215668.84	2.32E-03	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.23E-05
2564	569969.13	4215667.17	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2565	569978.44	4215665.49	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
2566	569987.76	4215663.82	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2567	569997.07	4215662.14	2.41E-03	1.37E-03	3.68E-04	2.08E-04	1.66E-04	8.55E-05
2568	570006.39	4215660.47	2.44E-03	1.38E-03	3.73E-04	2.10E-04	1.68E-04	8.66E-05
2569	570015.7	4215658.79	2.47E-03	1.40E-03	3.78E-04	2.13E-04	1.71E-04	8.78E-05
2570	570025.02	4215657.11	2.51E-03	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
2571	570034.33	4215655.44	2.55E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.06E-05
2572	570043.65	4215653.76	2.60E-03	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.21E-05
2573	570052.96	4215652.09	2.65E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.39E-05
2574	570062.28	4215650.41	2.70E-03	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05
2575	570071.6	4215648.74	2.76E-03	1.56E-03	4.21E-04	2.37E-04	1.90E-04	9.78E-05
2576	570080.91	4215647.06	2.82E-03	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04
2577	570090.23	4215645.39	2.89E-03	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.02E-04
2578	570099.54	4215643.71	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2579	569933.83	4215679.69	2.21E-03	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2580	569924.72	4215677.35	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.93E-05
2581	569915.6	4215675.01	2.27E-03	1.29E-03	3.46E-04	1.95E-04	1.56E-04	8.05E-05
2582	569906.48	4215672.67	2.30E-03	1.30E-03	3.52E-04	1.98E-04	1.59E-04	8.17E-05
2583	569870.02	4215663.3	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2584	569860.9	4215660.95	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2585	569851.78	4215658.61	2.53E-03	1.43E-03	3.86E-04	2.18E-04	1.74E-04	8.96E-05
2586	569842.67	4215656.27	2.56E-03	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.10E-05
2587	569833.55	4215653.93	2.60E-03	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
2588	569942.95	4215682.03	2.18E-03	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.72E-05
2589	569952.27	4215680.36	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
2590	569961.58	4215678.68	2.20E-03	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2591	569970.9	4215677.01	2.22E-03	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.88E-05
2592	569980.21	4215675.33	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.55E-04	7.95E-05
2593	569989.53	4215673.66	2.26E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.03E-05
2594	569998.84	4215671.98	2.29E-03	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.12E-05
2595	570008.16	4215670.31	2.32E-03	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.21E-05
2596	570017.47	4215668.63	2.35E-03	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.32E-05

2597	570026.79	4215666.96	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.45E-05
2598	570036.1	4215665.28	2.42E-03	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.58E-05
2599	570045.42	4215663.61	2.46E-03	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2600	570054.73	4215661.93	2.51E-03	1.42E-03	3.83E-04	2.16E-04	1.73E-04	8.90E-05
2601	570064.05	4215660.26	2.56E-03	1.45E-03	3.91E-04	2.20E-04	1.76E-04	9.07E-05
2602	570073.37	4215658.58	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.26E-05
2603	570082.68	4215656.91	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.47E-05
2604	570092	4215655.23	2.73E-03	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.69E-05
2605	570101.31	4215653.55	2.80E-03	1.59E-03	4.28E-04	2.41E-04	1.93E-04	9.93E-05
2606	569935.65	4215689.55	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2607	569926.57	4215687.21	2.13E-03	1.20E-03	3.25E-04	1.83E-04	1.47E-04	7.54E-05
2608	569917.5	4215684.88	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2609	569908.43	4215682.55	2.19E-03	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
2610	569899.36	4215680.22	2.22E-03	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.86E-05
2611	569863.06	4215670.9	2.35E-03	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.35E-05
2612	569853.99	4215668.57	2.39E-03	1.35E-03	3.65E-04	2.06E-04	1.65E-04	8.48E-05
2613	569844.92	4215666.24	2.43E-03	1.37E-03	3.71E-04	2.09E-04	1.67E-04	8.61E-05
2614	569944.72	4215691.88	2.07E-03	1.17E-03	3.16E-04	1.78E-04	1.43E-04	7.35E-05
2615	569954.04	4215690.2	2.09E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.40E-05
2616	569963.35	4215688.53	2.10E-03	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2617	569972.67	4215686.85	2.12E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
2618	569981.98	4215685.18	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2619	569991.3	4215683.5	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2620	570000.61	4215681.82	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
2621	570009.93	4215680.15	2.20E-03	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.81E-05
2622	570019.24	4215678.47	2.23E-03	1.26E-03	3.41E-04	1.92E-04	1.54E-04	7.91E-05
2623	570028.56	4215676.8	2.26E-03	1.28E-03	3.45E-04	1.95E-04	1.56E-04	8.03E-05
2624	570037.87	4215675.12	2.30E-03	1.30E-03	3.51E-04	1.98E-04	1.58E-04	8.16E-05
2625	570047.19	4215673.45	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2626	570056.5	4215671.77	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2627	570065.82	4215670.1	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2628	570075.14	4215668.42	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.79E-05
2629	570084.45	4215666.75	2.53E-03	1.44E-03	3.87E-04	2.18E-04	1.75E-04	8.98E-05
2630	570093.77	4215665.07	2.59E-03	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.19E-05
2631	570103.08	4215663.4	2.65E-03	1.50E-03	4.05E-04	2.29E-04	1.83E-04	9.42E-05
2632	569937.46	4215699.4	2.00E-03	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
2633	569928.43	4215697.08	2.02E-03	1.15E-03	3.09E-04	1.74E-04	1.40E-04	7.18E-05
2634	569919.39	4215694.76	2.05E-03	1.16E-03	3.13E-04	1.77E-04	1.41E-04	7.28E-05
2635	569910.36	4215692.44	2.08E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2636	569901.33	4215690.12	2.11E-03	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.47E-05
2637	569892.29	4215687.8	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2638	569946.49	4215701.72	1.98E-03	1.12E-03	3.02E-04	1.70E-04	1.36E-04	7.01E-05
2639	569955.81	4215700.04	1.99E-03	1.13E-03	3.04E-04	1.71E-04	1.37E-04	7.06E-05
2640	569965.12	4215698.37	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2641	569974.44	4215696.69	2.02E-03	1.15E-03	3.09E-04	1.74E-04	1.39E-04	7.17E-05
2642	569983.75	4215695.02	2.04E-03	1.16E-03	3.11E-04	1.76E-04	1.41E-04	7.23E-05
2643	569993.07	4215693.34	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2644	570002.38	4215691.67	2.08E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2645	570011.7	4215689.99	2.10E-03	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2646	570021.01	4215688.32	2.13E-03	1.20E-03	3.25E-04	1.83E-04	1.46E-04	7.54E-05
2647	570030.33	4215686.64	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2648	570039.64	4215684.97	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05

2649	570048.96	4215683.29	2.23E-03	1.26E-03	3.40E-04	1.92E-04	1.53E-04	7.90E-05
2650	570058.27	4215681.62	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
2651	570067.59	4215679.94	2.31E-03	1.31E-03	3.53E-04	1.99E-04	1.59E-04	8.20E-05
2652	570076.91	4215678.26	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2653	570086.22	4215676.59	2.41E-03	1.36E-03	3.68E-04	2.08E-04	1.66E-04	8.54E-05
2654	570095.54	4215674.91	2.46E-03	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2655	570104.85	4215673.24	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
2656	569939.27	4215709.25	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.77E-05
2657	569930.27	4215706.94	1.93E-03	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
2658	569921.27	4215704.63	1.96E-03	1.11E-03	2.99E-04	1.68E-04	1.35E-04	6.94E-05
2659	569912.28	4215702.32	1.98E-03	1.12E-03	3.02E-04	1.71E-04	1.36E-04	7.02E-05
2660	569903.28	4215700.01	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2661	569894.29	4215697.69	2.03E-03	1.15E-03	3.11E-04	1.75E-04	1.40E-04	7.21E-05
2662	569885.29	4215695.38	2.06E-03	1.17E-03	3.15E-04	1.78E-04	1.42E-04	7.32E-05
2663	569876.3	4215693.07	2.00E-03	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2664	569948.26	4215711.56	1.89E-03	1.07E-03	2.88E-04	1.63E-04	1.30E-04	6.70E-05
2665	569957.58	4215709.89	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.75E-05
2666	569966.89	4215708.21	1.92E-03	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.80E-05
2667	569976.21	4215706.54	1.93E-03	1.09E-03	2.95E-04	1.67E-04	1.33E-04	6.85E-05
2668	569985.52	4215704.86	1.95E-03	1.10E-03	2.98E-04	1.68E-04	1.34E-04	6.91E-05
2669	569994.84	4215703.18	1.97E-03	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2670	570004.15	4215701.51	1.99E-03	1.13E-03	3.03E-04	1.71E-04	1.37E-04	7.05E-05
2671	570013.47	4215699.83	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.12E-05
2672	570022.78	4215698.16	2.03E-03	1.15E-03	3.10E-04	1.75E-04	1.40E-04	7.20E-05
2673	570032.1	4215696.48	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2674	570041.41	4215694.81	2.09E-03	1.18E-03	3.19E-04	1.80E-04	1.44E-04	7.41E-05
2675	570050.73	4215693.13	2.12E-03	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
2676	570060.04	4215691.46	2.16E-03	1.22E-03	3.30E-04	1.86E-04	1.49E-04	7.66E-05
2677	570069.36	4215689.78	2.20E-03	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.80E-05
2678	570078.68	4215688.11	2.24E-03	1.27E-03	3.43E-04	1.93E-04	1.55E-04	7.96E-05
2679	570087.99	4215686.43	2.29E-03	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.13E-05
2680	570097.31	4215684.76	2.34E-03	1.33E-03	3.58E-04	2.02E-04	1.61E-04	8.31E-05
2681	569941.07	4215719.1	1.83E-03	1.03E-03	2.79E-04	1.57E-04	1.26E-04	6.48E-05
2682	569932.11	4215716.8	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
2683	569923.15	4215714.5	1.87E-03	1.06E-03	2.85E-04	1.61E-04	1.29E-04	6.63E-05
2684	569914.19	4215712.19	1.89E-03	1.07E-03	2.89E-04	1.63E-04	1.30E-04	6.71E-05
2685	569905.23	4215709.89	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
2686	569896.27	4215707.59	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2687	569887.3	4215705.29	1.96E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2688	569878.34	4215702.99	1.99E-03	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.06E-05
2689	569869.38	4215700.68	1.92E-03	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.82E-05
2690	569950.03	4215721.4	1.81E-03	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2691	569959.35	4215719.73	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2692	569968.66	4215718.05	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
2693	569977.98	4215716.38	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2694	569987.29	4215714.7	1.86E-03	1.06E-03	2.85E-04	1.61E-04	1.28E-04	6.61E-05
2695	569996.61	4215713.03	1.88E-03	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.68E-05
2696	570005.92	4215711.35	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2697	570015.24	4215709.68	1.92E-03	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.81E-05
2698	570024.55	4215708	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2699	570033.87	4215706.33	1.97E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2700	570043.18	4215704.65	1.99E-03	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.07E-05

2701	570052.5	4215702.97	2.03E-03	1.15E-03	3.09E-04	1.75E-04	1.40E-04	7.18E-05
2702	570061.81	4215701.3	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.31E-05
2703	570071.13	4215699.62	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2704	570080.45	4215697.95	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2705	570089.76	4215696.27	2.18E-03	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
2706	570099.08	4215694.6	2.23E-03	1.27E-03	3.41E-04	1.92E-04	1.54E-04	7.92E-05
2707	570108.39	4215692.92	2.29E-03	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.11E-05
2708	569942.87	4215728.95	1.75E-03	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
2709	569933.94	4215726.66	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
2710	569925.01	4215724.36	1.79E-03	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2711	569916.09	4215722.07	1.81E-03	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2712	569907.16	4215719.78	1.83E-03	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
2713	569898.23	4215717.48	1.85E-03	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
2714	569889.3	4215715.19	1.88E-03	1.06E-03	2.86E-04	1.62E-04	1.29E-04	6.65E-05
2715	569880.37	4215712.89	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2716	569871.44	4215710.6	1.84E-03	1.04E-03	2.81E-04	1.58E-04	1.27E-04	6.52E-05
2717	569862.51	4215708.31	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2718	569591.18	4215444.03	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2719	569951.8	4215731.25	1.73E-03	9.81E-04	2.64E-04	1.49E-04	1.19E-04	6.14E-05
2720	569961.12	4215729.57	1.74E-03	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
2721	569970.43	4215727.89	1.76E-03	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
2722	569979.75	4215726.22	1.77E-03	1.00E-03	2.70E-04	1.53E-04	1.22E-04	6.28E-05
2723	569989.06	4215724.54	1.79E-03	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2724	569998.38	4215722.87	1.80E-03	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.39E-05
2725	570007.69	4215721.19	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2726	570017.01	4215719.52	1.84E-03	1.04E-03	2.80E-04	1.58E-04	1.27E-04	6.52E-05
2727	570026.32	4215717.84	1.86E-03	1.05E-03	2.84E-04	1.60E-04	1.28E-04	6.59E-05
2728	570035.64	4215716.17	1.88E-03	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.67E-05
2729	570044.95	4215714.49	1.91E-03	1.08E-03	2.91E-04	1.64E-04	1.31E-04	6.76E-05
2730	570054.27	4215712.82	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.33E-04	6.87E-05
2731	570063.58	4215711.14	1.97E-03	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2732	570072.9	4215709.47	2.00E-03	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2733	570082.22	4215707.79	2.04E-03	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.24E-05
2734	570091.53	4215706.12	2.08E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
2735	570134.25	4215513.15	9.31E-03	5.27E-03	1.42E-03	8.02E-04	6.42E-04	3.30E-04
2736	570122.88	4215521.29	8.15E-03	4.61E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
2737	570111.51	4215529.44	7.25E-03	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2738	570121.14	4215531.14	7.30E-03	4.13E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
2739	570100.13	4215537.59	6.57E-03	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
2740	570109.77	4215539.29	6.56E-03	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
2741	570119.4	4215540.99	6.60E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2742	570129.04	4215542.69	6.68E-03	3.79E-03	1.02E-03	5.76E-04	4.60E-04	2.37E-04
2743	570098.4	4215547.43	5.98E-03	3.39E-03	9.13E-04	5.15E-04	4.12E-04	2.12E-04
2744	570108.03	4215549.14	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
2745	570117.67	4215550.84	6.00E-03	3.40E-03	9.17E-04	5.17E-04	4.14E-04	2.13E-04
2746	570096.66	4215557.28	5.46E-03	3.10E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2747	570106.29	4215558.98	5.46E-03	3.09E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2748	570115.93	4215560.68	5.48E-03	3.11E-03	8.37E-04	4.72E-04	3.78E-04	1.94E-04
2749	570094.92	4215567.13	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2750	570104.55	4215568.83	5.01E-03	2.84E-03	7.65E-04	4.31E-04	3.45E-04	1.78E-04
2751	570114.19	4215570.53	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
2752	570123.82	4215572.23	5.08E-03	2.88E-03	7.76E-04	4.38E-04	3.50E-04	1.80E-04

2753	570102.81	4215578.68	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2754	570112.45	4215580.38	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2755	570122.08	4215582.08	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2756	570101.08	4215588.53	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
2757	570110.71	4215590.23	4.29E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2758	570099.34	4215598.37	3.96E-03	2.24E-03	6.05E-04	3.41E-04	2.73E-04	1.40E-04
2759	570108.97	4215600.08	3.99E-03	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.41E-04
2760	570118.61	4215601.78	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2761	570107.23	4215609.92	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.57E-04	1.32E-04
2762	570105.5	4215619.77	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2763	570113.39	4215631.32	3.28E-03	1.86E-03	5.01E-04	2.82E-04	2.26E-04	1.16E-04
2764	570111.65	4215641.17	3.07E-03	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2765	570088.11	4215718.25	1.96E-03	1.11E-03	2.99E-04	1.69E-04	1.35E-04	6.94E-05
2766	570097.74	4215719.95	1.97E-03	1.12E-03	3.01E-04	1.70E-04	1.36E-04	6.98E-05

	Row	18	T2	T2L3	T4f
		Col	3	4	5
		Adjustment	100%	15%	7%
			Year 1	Year 1	Year 1
1	570176.2	4215489	7.74E-02	1.18E-02	5.34E-03
2	570192.2	4215484	8.75E-02	1.34E-02	6.03E-03
3	570208.7	4215477	1.02E-01	1.56E-02	7.03E-03
4	570225.2	4215470	1.17E-01	1.79E-02	8.09E-03
5	570241.7	4215462	1.30E-01	1.98E-02	8.96E-03
6	570258.2	4215455	1.38E-01	2.11E-02	9.50E-03
7	570179.3	4215498	6.84E-02	1.04E-02	4.71E-03
8	570162	4215500	6.17E-02	9.43E-03	4.25E-03
9	570196.2	4215493	7.78E-02	1.19E-02	5.36E-03
10	570212.7	4215486	9.12E-02	1.39E-02	6.28E-03
11	570229.2	4215479	1.05E-01	1.61E-02	7.25E-03
12	570237.5	4215475	1.11E-01	1.70E-02	7.68E-03
13	570254	4215468	1.22E-01	1.86E-02	8.39E-03
14	570183.7	4215507	6.18E-02	9.44E-03	4.26E-03
15	570167.2	4215509	5.59E-02	8.54E-03	3.85E-03
16	570150.7	4215511	5.09E-02	7.77E-03	3.51E-03
17	570200.2	4215503	7.02E-02	1.07E-02	4.84E-03
18	570216.7	4215495	8.22E-02	1.26E-02	5.67E-03
19	570225	4215492	8.88E-02	1.36E-02	6.12E-03
20	570241.5	4215484	1.01E-01	1.54E-02	6.94E-03
21	570249.8	4215481	1.06E-01	1.62E-02	7.29E-03
22	570266.3	4215473	1.14E-01	1.74E-02	7.86E-03
23	570188.1	4215516	5.64E-02	8.61E-03	3.89E-03
24	570172.2	4215518	5.09E-02	7.77E-03	3.51E-03
25	570156.3	4215520	4.66E-02	7.11E-03	3.21E-03
26	570140.5	4215522	4.29E-02	6.55E-03	2.95E-03
27	570204.3	4215512	6.41E-02	9.79E-03	4.42E-03
28	570220.8	4215504	7.50E-02	1.15E-02	5.17E-03
29	570237.3	4215497	8.63E-02	1.32E-02	5.95E-03
30	570253.8	4215490	9.61E-02	1.47E-02	6.62E-03
31	570262.1	4215486	1.00E-01	1.53E-02	6.92E-03
32	570191.4	4215526	5.16E-02	7.87E-03	3.55E-03
33	570174.1	4215528	4.59E-02	7.01E-03	3.16E-03
34	570156.8	4215530	4.19E-02	6.40E-03	2.89E-03
35	570139.4	4215532	3.85E-02	5.87E-03	2.65E-03
36	570208.3	4215521	5.90E-02	9.02E-03	4.07E-03
37	570216.6	4215517	6.38E-02	9.74E-03	4.39E-03
38	570233.1	4215510	7.38E-02	1.13E-02	5.09E-03
39	570249.6	4215503	8.34E-02	1.27E-02	5.75E-03
40	570266.1	4215495	9.16E-02	1.40E-02	6.31E-03
41	570274.4	4215492	9.52E-02	1.45E-02	6.56E-03
42	570195.7	4215535	4.78E-02	7.30E-03	3.30E-03
43	570179.1	4215537	4.29E-02	6.55E-03	2.96E-03
44	570162.4	4215539	3.91E-02	5.97E-03	2.69E-03
45	570145.7	4215541	3.60E-02	5.50E-03	2.48E-03
46	570212.3	4215530	5.45E-02	8.33E-03	3.76E-03
47	570228.8	4215523	6.31E-02	9.64E-03	4.35E-03

48	570245.4	4215515	7.22E-02	1.10E-02	4.98E-03
49	570261.9	4215508	8.08E-02	1.23E-02	5.57E-03
50	570278.4	4215501	8.76E-02	1.34E-02	6.04E-03
51	570200	4215544	4.45E-02	6.80E-03	3.07E-03
52	570183.9	4215546	4.02E-02	6.14E-03	2.77E-03
53	570167.7	4215548	3.66E-02	5.59E-03	2.52E-03
54	570151.5	4215550	3.38E-02	5.16E-03	2.33E-03
55	570135.4	4215552	3.14E-02	4.80E-03	2.17E-03
56	570216.4	4215539	5.06E-02	7.73E-03	3.49E-03
57	570232.9	4215532	5.84E-02	8.92E-03	4.03E-03
58	570241.1	4215528	6.25E-02	9.54E-03	4.31E-03
59	570257.6	4215521	7.07E-02	1.08E-02	4.87E-03
60	570274.2	4215514	7.80E-02	1.19E-02	5.37E-03
61	570203.5	4215553	4.13E-02	6.31E-03	2.85E-03
62	570186.2	4215555	3.72E-02	5.68E-03	2.56E-03
63	570168.8	4215557	3.37E-02	5.14E-03	2.32E-03
64	570151.5	4215559	3.10E-02	4.73E-03	2.14E-03
65	570134.2	4215561	2.87E-02	4.38E-03	1.98E-03
66	570220.4	4215548	4.72E-02	7.20E-03	3.25E-03
67	570228.6	4215545	5.08E-02	7.75E-03	3.50E-03
68	570245.2	4215537	5.82E-02	8.88E-03	4.01E-03
69	570253.4	4215534	6.19E-02	9.46E-03	4.27E-03
70	570269.9	4215526	6.89E-02	1.05E-02	4.75E-03
71	570286.5	4215519	7.51E-02	1.15E-02	5.17E-03
72	570207.8	4215562	3.89E-02	5.94E-03	2.68E-03
73	570191	4215564	3.51E-02	5.36E-03	2.42E-03
74	570174.2	4215566	3.18E-02	4.85E-03	2.19E-03
75	570157.4	4215568	2.93E-02	4.47E-03	2.02E-03
76	570140.6	4215570	2.72E-02	4.15E-03	1.87E-03
77	570224.4	4215557	4.41E-02	6.74E-03	3.04E-03
78	570240.9	4215550	5.08E-02	7.75E-03	3.50E-03
79	570257.5	4215543	5.77E-02	8.80E-03	3.97E-03
80	570274	4215536	6.42E-02	9.80E-03	4.42E-03
81	570282.2	4215532	6.71E-02	1.02E-02	4.62E-03
82	570211.3	4215571	3.65E-02	5.58E-03	2.52E-03
83	570193.4	4215573	3.28E-02	5.01E-03	2.26E-03
84	570175.6	4215576	2.95E-02	4.51E-03	2.04E-03
85	570157.8	4215578	2.71E-02	4.13E-03	1.86E-03
86	570139.9	4215580	2.50E-02	3.82E-03	1.72E-03
87	570220.2	4215570	3.85E-02	5.88E-03	2.65E-03
88	570236.7	4215563	4.43E-02	6.77E-03	3.05E-03
89	570253.2	4215556	5.05E-02	7.71E-03	3.48E-03
90	570269.7	4215548	5.67E-02	8.66E-03	3.91E-03
91	570286.3	4215541	6.25E-02	9.55E-03	4.31E-03
92	570215.6	4215580	3.45E-02	5.26E-03	2.38E-03
93	570198.3	4215583	3.12E-02	4.76E-03	2.15E-03
94	570180.9	4215585	2.82E-02	4.30E-03	1.94E-03
95	570163.6	4215587	2.57E-02	3.93E-03	1.77E-03
96	570146.3	4215589	2.38E-02	3.63E-03	1.64E-03
97	570129	4215591	2.23E-02	3.40E-03	1.54E-03
98	570232.5	4215576	3.87E-02	5.92E-03	2.67E-03
99	570249	4215568	4.41E-02	6.74E-03	3.04E-03

100	570265.5	4215561	4.98E-02	7.60E-03	3.43E-03
101	570282	4215554	5.55E-02	8.48E-03	3.83E-03
102	570290.3	4215550	5.82E-02	8.89E-03	4.01E-03
103	570298.5	4215547	6.07E-02	9.27E-03	4.19E-03
104	570219.8	4215590	3.25E-02	4.96E-03	2.24E-03
105	570203	4215592	2.95E-02	4.51E-03	2.04E-03
106	570186.1	4215594	2.69E-02	4.10E-03	1.85E-03
107	570169.2	4215596	2.45E-02	3.74E-03	1.69E-03
108	570152.4	4215598	2.27E-02	3.47E-03	1.57E-03
109	570135.5	4215600	2.13E-02	3.25E-03	1.47E-03
110	570236.5	4215585	3.60E-02	5.50E-03	2.48E-03
111	570253	4215578	4.07E-02	6.22E-03	2.80E-03
112	570261.3	4215574	4.32E-02	6.60E-03	2.98E-03
113	570277.8	4215567	4.86E-02	7.42E-03	3.35E-03
114	570294.3	4215559	5.40E-02	8.24E-03	3.72E-03
115	570223.4	4215599	3.04E-02	4.64E-03	2.10E-03
116	570205.7	4215601	2.77E-02	4.23E-03	1.91E-03
117	570187.9	4215603	2.51E-02	3.84E-03	1.73E-03
118	570170.1	4215605	2.29E-02	3.50E-03	1.58E-03
119	570161.3	4215606	2.20E-02	3.36E-03	1.52E-03
120	570143.5	4215608	2.05E-02	3.12E-03	1.41E-03
121	570125.8	4215611	1.93E-02	2.95E-03	1.33E-03
122	570232.3	4215598	3.16E-02	4.82E-03	2.18E-03
123	570248.8	4215590	3.56E-02	5.43E-03	2.45E-03
124	570265.3	4215583	3.74E-02	5.72E-03	2.58E-03
125	570281.8	4215576	4.50E-02	6.87E-03	3.10E-03
126	570290.1	4215572	4.75E-02	7.25E-03	3.27E-03
127	570298.4	4215569	5.00E-02	7.63E-03	3.44E-03
128	570227.7	4215608	2.85E-02	4.35E-03	1.96E-03
129	570210.4	4215610	2.63E-02	4.02E-03	1.81E-03
130	570193	4215612	2.40E-02	3.67E-03	1.65E-03
131	570175.7	4215614	2.19E-02	3.35E-03	1.51E-03
132	570158.4	4215616	2.03E-02	3.10E-03	1.40E-03
133	570141.1	4215618	1.90E-02	2.90E-03	1.31E-03
134	570123.8	4215620	1.80E-02	2.75E-03	1.24E-03
135	570244.6	4215603	3.13E-02	4.79E-03	2.16E-03
136	570261.1	4215596	3.26E-02	4.98E-03	2.25E-03
137	570277.6	4215589	3.66E-02	5.58E-03	2.52E-03
138	570294.1	4215581	4.14E-02	6.33E-03	2.86E-03
139	570302.4	4215578	4.44E-02	6.78E-03	3.06E-03
140	570231.9	4215617	2.68E-02	4.09E-03	1.84E-03
141	570215	4215619	2.49E-02	3.81E-03	1.72E-03
142	570198	4215621	2.29E-02	3.49E-03	1.58E-03
143	570181.1	4215623	2.10E-02	3.20E-03	1.44E-03
144	570164.2	4215625	1.94E-02	2.96E-03	1.34E-03
145	570147.3	4215627	1.82E-02	2.78E-03	1.25E-03
146	570130.3	4215629	1.72E-02	2.63E-03	1.19E-03
147	570248.6	4215612	2.75E-02	4.20E-03	1.89E-03
148	570256.9	4215609	2.88E-02	4.40E-03	1.99E-03
149	570273.4	4215601	3.21E-02	4.90E-03	2.21E-03
150	570289.9	4215594	3.60E-02	5.50E-03	2.48E-03
151	570298.2	4215591	3.83E-02	5.84E-03	2.64E-03

152	570314.7	4215583	4.34E-02	6.62E-03	2.99E-03
153	570235.5	4215626	2.52E-02	3.85E-03	1.74E-03
154	570226.7	4215627	2.43E-02	3.71E-03	1.67E-03
155	570209	4215629	2.24E-02	3.42E-03	1.55E-03
156	570191.3	4215632	2.05E-02	3.14E-03	1.41E-03
157	570173.6	4215634	1.88E-02	2.87E-03	1.30E-03
158	570164.8	4215635	1.82E-02	2.78E-03	1.25E-03
159	570147.1	4215637	1.70E-02	2.60E-03	1.17E-03
160	570129.4	4215639	1.61E-02	2.46E-03	1.11E-03
161	570252.6	4215622	2.58E-02	3.94E-03	1.78E-03
162	570269.2	4215614	2.83E-02	4.32E-03	1.95E-03
163	570285.7	4215607	3.18E-02	4.86E-03	2.19E-03
164	570302.2	4215600	3.59E-02	5.48E-03	2.47E-03
165	570318.7	4215592	4.04E-02	6.17E-03	2.78E-03
166	570239.8	4215635	2.38E-02	3.64E-03	1.64E-03
167	570222.5	4215637	2.22E-02	3.40E-03	1.53E-03
168	570205.1	4215640	2.05E-02	3.12E-03	1.41E-03
169	570187.8	4215642	1.88E-02	2.87E-03	1.30E-03
170	570170.5	4215644	1.74E-02	2.66E-03	1.20E-03
171	570153.2	4215646	1.64E-02	2.50E-03	1.13E-03
172	570135.9	4215648	1.55E-02	2.36E-03	1.07E-03
173	570118.6	4215650	1.48E-02	2.25E-03	1.02E-03
174	570256.7	4215631	2.61E-02	3.98E-03	1.80E-03
175	570273.2	4215623	2.69E-02	4.11E-03	1.86E-03
176	570281.5	4215620	2.83E-02	4.33E-03	1.95E-03
177	570298	4215612	3.17E-02	4.84E-03	2.19E-03
178	570306.2	4215609	3.38E-02	5.16E-03	2.33E-03
179	570314.5	4215605	3.59E-02	5.48E-03	2.47E-03
180	570244	4215644	2.26E-02	3.45E-03	1.56E-03
181	570227	4215647	2.11E-02	3.23E-03	1.46E-03
182	570210	4215649	1.95E-02	2.98E-03	1.34E-03
183	570193	4215651	1.80E-02	2.75E-03	1.24E-03
184	570176.1	4215653	1.67E-02	2.55E-03	1.15E-03
185	570159.1	4215655	1.57E-02	2.40E-03	1.08E-03
186	570142.1	4215657	1.49E-02	2.27E-03	1.02E-03
187	570125.2	4215659	1.42E-02	2.17E-03	9.77E-04
188	570260.7	4215640	2.47E-02	3.77E-03	1.70E-03
189	570269	4215636	2.60E-02	3.97E-03	1.79E-03
190	570277.2	4215633	2.58E-02	3.93E-03	1.77E-03
191	570293.7	4215625	2.85E-02	4.34E-03	1.96E-03
192	570310.3	4215618	3.19E-02	4.88E-03	2.20E-03
193	570326.8	4215611	3.71E-02	5.67E-03	2.56E-03
194	570247.7	4215654	2.14E-02	3.27E-03	1.48E-03
195	570230	4215656	1.99E-02	3.04E-03	1.37E-03
196	570212.4	4215658	1.84E-02	2.80E-03	1.27E-03
197	570194.7	4215660	1.70E-02	2.59E-03	1.17E-03
198	570177.1	4215662	1.57E-02	2.40E-03	1.08E-03
199	570159.4	4215664	1.48E-02	2.26E-03	1.02E-03
200	570141.7	4215666	1.40E-02	2.14E-03	9.67E-04
201	570124.1	4215669	1.34E-02	2.04E-03	9.22E-04
202	570264.7	4215649	2.34E-02	3.57E-03	1.61E-03
203	570281.3	4215642	2.59E-02	3.96E-03	1.79E-03

204	570297.8	4215634	2.87E-02	4.39E-03	1.98E-03
205	570314.3	4215627	3.18E-02	4.85E-03	2.19E-03
206	570330.8	4215620	3.49E-02	5.33E-03	2.40E-03
207	570251.9	4215663	2.03E-02	3.11E-03	1.40E-03
208	570234.6	4215665	1.89E-02	2.89E-03	1.30E-03
209	570217.2	4215667	1.75E-02	2.67E-03	1.21E-03
210	570199.9	4215669	1.62E-02	2.48E-03	1.12E-03
211	570182.6	4215671	1.51E-02	2.31E-03	1.04E-03
212	570165.3	4215673	1.42E-02	2.17E-03	9.81E-04
213	570148	4215675	1.35E-02	2.07E-03	9.32E-04
214	570130.7	4215677	1.29E-02	1.97E-03	8.89E-04
215	570113.4	4215680	1.24E-02	1.89E-03	8.52E-04
216	570268.8	4215658	2.22E-02	3.39E-03	1.53E-03
217	570277	4215654	2.33E-02	3.56E-03	1.61E-03
218	570293.6	4215647	2.58E-02	3.94E-03	1.78E-03
219	570310.1	4215640	2.85E-02	4.36E-03	1.97E-03
220	570326.6	4215633	3.14E-02	4.80E-03	2.16E-03
221	570256	4215672	1.93E-02	2.94E-03	1.33E-03
222	570239	4215674	1.79E-02	2.74E-03	1.23E-03
223	570222	4215676	1.67E-02	2.55E-03	1.15E-03
224	570205	4215678	1.55E-02	2.37E-03	1.07E-03
225	570188	4215680	1.45E-02	2.22E-03	1.00E-03
226	570171	4215682	1.37E-02	2.09E-03	9.43E-04
227	570154	4215684	1.30E-02	1.99E-03	8.97E-04
228	570137	4215686	1.24E-02	1.90E-03	8.57E-04
229	570120	4215688	1.19E-02	1.82E-03	8.22E-04
230	570272.8	4215667	2.10E-02	3.21E-03	1.45E-03
231	570281.1	4215664	2.22E-02	3.39E-03	1.53E-03
232	570297.6	4215656	2.45E-02	3.74E-03	1.69E-03
233	570305.8	4215653	2.57E-02	3.93E-03	1.77E-03
234	570314.1	4215649	2.70E-02	4.12E-03	1.86E-03
235	570330.6	4215642	2.97E-02	4.53E-03	2.04E-03
236	570338.9	4215638	3.10E-02	4.73E-03	2.14E-03
237	570259.8	4215681	1.82E-02	2.78E-03	1.25E-03
238	570242.2	4215683	1.69E-02	2.58E-03	1.16E-03
239	570224.5	4215685	1.57E-02	2.39E-03	1.08E-03
240	570206.9	4215687	1.46E-02	2.23E-03	1.01E-03
241	570189.3	4215690	1.37E-02	2.10E-03	9.46E-04
242	570171.7	4215692	1.30E-02	1.98E-03	8.94E-04
243	570154.1	4215694	1.23E-02	1.88E-03	8.50E-04
244	570136.5	4215696	1.18E-02	1.80E-03	8.13E-04
245	570118.8	4215698	1.13E-02	1.73E-03	7.81E-04
246	570276.8	4215676	1.99E-02	3.04E-03	1.37E-03
247	570285.1	4215673	2.09E-02	3.20E-03	1.44E-03
248	570293.4	4215669	2.20E-02	3.37E-03	1.52E-03
249	570309.9	4215662	2.44E-02	3.72E-03	1.68E-03
250	570318.1	4215658	2.56E-02	3.90E-03	1.76E-03
251	570334.6	4215651	2.80E-02	4.28E-03	1.93E-03
252	570264	4215690	1.71E-02	2.62E-03	1.18E-03
253	570246.6	4215692	1.59E-02	2.44E-03	1.10E-03
254	570229.3	4215694	1.49E-02	2.27E-03	1.02E-03
255	570212	4215697	1.39E-02	2.13E-03	9.61E-04

256	570194.7	4215699	1.32E-02	2.01E-03	9.07E-04
257	570177.4	4215701	1.25E-02	1.91E-03	8.61E-04
258	570160.1	4215703	1.19E-02	1.82E-03	8.20E-04
259	570142.8	4215705	1.14E-02	1.74E-03	7.84E-04
260	570125.5	4215707	1.09E-02	1.67E-03	7.54E-04
261	570108.1	4215709	1.05E-02	1.61E-03	7.27E-04
262	570280.9	4215686	1.87E-02	2.86E-03	1.29E-03
263	570297.4	4215678	2.08E-02	3.18E-03	1.43E-03
264	570305.6	4215675	2.19E-02	3.34E-03	1.51E-03
265	570322.2	4215667	2.41E-02	3.68E-03	1.66E-03
266	570330.4	4215664	2.53E-02	3.86E-03	1.74E-03
267	570346.9	4215656	2.75E-02	4.20E-03	1.90E-03
268	570267.7	4215699	1.61E-02	2.46E-03	1.11E-03
269	570249.8	4215702	1.50E-02	2.29E-03	1.03E-03
270	570231.9	4215704	1.40E-02	2.13E-03	9.63E-04
271	570223	4215705	1.35E-02	2.07E-03	9.34E-04
272	570214	4215706	1.31E-02	2.01E-03	9.06E-04
273	570196.1	4215708	1.25E-02	1.90E-03	8.59E-04
274	570178.3	4215710	1.19E-02	1.82E-03	8.19E-04
275	570169.3	4215711	1.16E-02	1.77E-03	8.00E-04
276	570151.4	4215713	1.11E-02	1.69E-03	7.63E-04
277	570133.5	4215716	1.06E-02	1.62E-03	7.32E-04
278	570115.6	4215718	1.02E-02	1.56E-03	7.05E-04
279	570284.9	4215695	1.76E-02	2.69E-03	1.22E-03
280	570293.2	4215691	1.86E-02	2.84E-03	1.28E-03
281	570309.7	4215684	2.06E-02	3.15E-03	1.42E-03
282	570317.9	4215680	2.17E-02	3.32E-03	1.50E-03
283	570334.5	4215673	2.38E-02	3.64E-03	1.64E-03
284	570342.7	4215669	2.49E-02	3.80E-03	1.72E-03
285	570282.2	4215444	1.41E-01	2.15E-02	9.68E-03
286	570275.6	4215451	1.37E-01	2.09E-02	9.42E-03
287	570268.9	4215458	1.32E-01	2.01E-02	9.07E-03
288	570298.6	4215441	1.34E-01	2.05E-02	9.24E-03
289	570292.2	4215447	1.32E-01	2.02E-02	9.10E-03
290	570285.7	4215454	1.29E-01	1.97E-02	8.90E-03
291	570279.2	4215460	1.25E-01	1.91E-02	8.63E-03
292	570272.8	4215467	1.20E-01	1.84E-02	8.29E-03
293	570308.3	4215444	1.27E-01	1.93E-02	8.72E-03
294	570302	4215450	1.25E-01	1.91E-02	8.60E-03
295	570295.6	4215457	1.22E-01	1.87E-02	8.42E-03
296	570289.3	4215463	1.19E-01	1.82E-02	8.21E-03
297	570276.6	4215476	1.10E-01	1.68E-02	7.57E-03
298	570322.7	4215443	1.20E-01	1.84E-02	8.28E-03
299	570315.8	4215450	1.19E-01	1.82E-02	8.22E-03
300	570308.9	4215457	1.17E-01	1.79E-02	8.09E-03
301	570302	4215464	1.15E-01	1.75E-02	7.90E-03
302	570295.1	4215471	1.11E-01	1.70E-02	7.65E-03
303	570288.2	4215478	1.06E-01	1.63E-02	7.34E-03
304	570281.3	4215485	1.01E-01	1.54E-02	6.97E-03
305	570339	4215439	1.13E-01	1.72E-02	7.75E-03
306	570332.2	4215446	1.13E-01	1.73E-02	7.80E-03
307	570325.5	4215453	1.13E-01	1.72E-02	7.78E-03

308	570318.8	4215460	1.12E-01	1.70E-02	7.68E-03
309	570312	4215467	1.09E-01	1.67E-02	7.53E-03
310	570305.3	4215474	1.06E-01	1.62E-02	7.33E-03
311	570298.6	4215480	1.03E-01	1.57E-02	7.07E-03
312	570291.8	4215487	9.80E-02	1.50E-02	6.75E-03
313	570285.1	4215494	9.30E-02	1.42E-02	6.41E-03
314	570355.7	4215399	1.13E-01	1.73E-02	7.79E-03
315	570355.5	4215408	1.11E-01	1.69E-02	7.64E-03
316	570355.3	4215418	1.09E-01	1.67E-02	7.52E-03
317	570348.3	4215443	1.06E-01	1.62E-02	7.32E-03
318	570341.7	4215450	1.07E-01	1.64E-02	7.38E-03
319	570335.1	4215457	1.07E-01	1.64E-02	7.38E-03
320	570328.5	4215463	1.06E-01	1.62E-02	7.31E-03
321	570322	4215470	1.04E-01	1.59E-02	7.19E-03
322	570315.4	4215477	1.02E-01	1.56E-02	7.02E-03
323	570308.8	4215483	9.88E-02	1.51E-02	6.81E-03
324	570302.2	4215490	9.50E-02	1.45E-02	6.54E-03
325	570295.6	4215497	9.05E-02	1.38E-02	6.24E-03
326	570289	4215503	8.59E-02	1.31E-02	5.92E-03
327	570365.1	4215394	1.08E-01	1.65E-02	7.45E-03
328	570364.9	4215404	1.06E-01	1.62E-02	7.33E-03
329	570364.7	4215413	1.05E-01	1.60E-02	7.22E-03
330	570357.6	4215447	1.01E-01	1.54E-02	6.95E-03
331	570351.2	4215454	1.02E-01	1.55E-02	7.01E-03
332	570344.7	4215460	1.02E-01	1.56E-02	7.03E-03
333	570338.2	4215467	1.01E-01	1.55E-02	6.98E-03
334	570331.8	4215473	9.98E-02	1.52E-02	6.88E-03
335	570325.3	4215480	9.78E-02	1.49E-02	6.74E-03
336	570318.8	4215486	9.51E-02	1.45E-02	6.56E-03
337	570312.3	4215493	9.19E-02	1.40E-02	6.33E-03
338	570305.9	4215499	8.81E-02	1.35E-02	6.07E-03
339	570299.4	4215506	8.40E-02	1.28E-02	5.79E-03
340	570292.9	4215513	7.96E-02	1.22E-02	5.49E-03
341	570374.4	4215395	1.03E-01	1.57E-02	7.06E-03
342	570374.2	4215405	1.01E-01	1.54E-02	6.96E-03
343	570374	4215415	9.96E-02	1.52E-02	6.86E-03
344	570366.4	4215451	9.59E-02	1.47E-02	6.61E-03
345	570359.5	4215458	9.69E-02	1.48E-02	6.68E-03
346	570352.6	4215465	9.74E-02	1.49E-02	6.71E-03
347	570345.7	4215472	9.65E-02	1.47E-02	6.65E-03
348	570338.8	4215479	9.50E-02	1.45E-02	6.55E-03
349	570331.9	4215486	9.29E-02	1.42E-02	6.40E-03
350	570325	4215493	9.01E-02	1.38E-02	6.21E-03
351	570318.1	4215500	8.67E-02	1.32E-02	5.97E-03
352	570311.2	4215507	8.28E-02	1.26E-02	5.71E-03
353	570304.3	4215514	7.86E-02	1.20E-02	5.42E-03
354	570297.4	4215521	7.42E-02	1.13E-02	5.11E-03
355	570383.8	4215390	9.80E-02	1.50E-02	6.75E-03
356	570383.6	4215400	9.69E-02	1.48E-02	6.68E-03
357	570383.4	4215410	9.57E-02	1.46E-02	6.60E-03
358	570382.7	4215439	9.15E-02	1.40E-02	6.31E-03
359	570375.8	4215455	9.14E-02	1.40E-02	6.30E-03

360	570369	4215462	9.24E-02	1.41E-02	6.36E-03
361	570362.2	4215469	9.28E-02	1.42E-02	6.39E-03
362	570355.4	4215476	9.24E-02	1.41E-02	6.37E-03
363	570348.7	4215483	9.12E-02	1.39E-02	6.29E-03
364	570341.9	4215489	8.94E-02	1.37E-02	6.16E-03
365	570335.1	4215496	8.71E-02	1.33E-02	6.00E-03
366	570328.4	4215503	8.41E-02	1.28E-02	5.79E-03
367	570321.6	4215510	8.06E-02	1.23E-02	5.56E-03
368	570314.8	4215517	7.69E-02	1.17E-02	5.30E-03
369	570308.1	4215524	7.30E-02	1.11E-02	5.03E-03
370	570301.3	4215531	6.91E-02	1.06E-02	4.76E-03
371	570393	4215395	9.28E-02	1.42E-02	6.39E-03
372	570392.8	4215405	9.18E-02	1.40E-02	6.32E-03
373	570392.6	4215414	9.08E-02	1.39E-02	6.26E-03
374	570392	4215443	8.72E-02	1.33E-02	6.01E-03
375	570385.1	4215459	8.72E-02	1.33E-02	6.01E-03
376	570378.4	4215466	8.81E-02	1.35E-02	6.07E-03
377	570371.8	4215472	8.84E-02	1.35E-02	6.09E-03
378	570365.1	4215479	8.82E-02	1.35E-02	6.08E-03
379	570358.5	4215486	8.75E-02	1.34E-02	6.03E-03
380	570351.8	4215493	8.61E-02	1.31E-02	5.93E-03
381	570345.1	4215499	8.40E-02	1.28E-02	5.79E-03
382	570338.5	4215506	8.15E-02	1.24E-02	5.62E-03
383	570331.8	4215513	7.85E-02	1.20E-02	5.41E-03
384	570325.2	4215520	7.51E-02	1.15E-02	5.17E-03
385	570318.5	4215526	7.15E-02	1.09E-02	4.93E-03
386	570311.9	4215533	6.81E-02	1.04E-02	4.69E-03
387	570305.2	4215540	6.45E-02	9.85E-03	4.45E-03
388	570402.4	4215391	8.87E-02	1.36E-02	6.12E-03
389	570402.2	4215400	8.80E-02	1.34E-02	6.07E-03
390	570402	4215409	8.72E-02	1.33E-02	6.01E-03
391	570401.2	4215447	8.32E-02	1.27E-02	5.73E-03
392	570394.4	4215463	8.31E-02	1.27E-02	5.73E-03
393	570387.8	4215469	8.40E-02	1.28E-02	5.79E-03
394	570381.3	4215476	8.45E-02	1.29E-02	5.82E-03
395	570374.7	4215483	8.44E-02	1.29E-02	5.81E-03
396	570368.2	4215489	8.38E-02	1.28E-02	5.77E-03
397	570361.6	4215496	8.27E-02	1.26E-02	5.70E-03
398	570355	4215503	8.11E-02	1.24E-02	5.59E-03
399	570348.5	4215509	7.89E-02	1.20E-02	5.44E-03
400	570341.9	4215516	7.63E-02	1.16E-02	5.26E-03
401	570335.4	4215523	7.33E-02	1.12E-02	5.05E-03
402	570328.8	4215529	7.01E-02	1.07E-02	4.83E-03
403	570322.3	4215536	6.69E-02	1.02E-02	4.61E-03
404	570315.7	4215542	6.36E-02	9.71E-03	4.38E-03
405	570309.1	4215549	6.01E-02	9.18E-03	4.14E-03
406	570411.7	4215391	8.46E-02	1.29E-02	5.83E-03
407	570411.5	4215401	8.40E-02	1.28E-02	5.79E-03
408	570411.3	4215411	8.33E-02	1.27E-02	5.74E-03
409	570410.6	4215440	8.06E-02	1.23E-02	5.56E-03
410	570410.4	4215450	7.95E-02	1.21E-02	5.48E-03
411	570403.3	4215467	7.94E-02	1.21E-02	5.47E-03

412	570396.3	4215474	8.02E-02	1.22E-02	5.52E-03
413	570389.4	4215481	8.07E-02	1.23E-02	5.56E-03
414	570382.5	4215488	8.08E-02	1.23E-02	5.57E-03
415	570375.6	4215495	8.01E-02	1.22E-02	5.52E-03
416	570368.7	4215502	7.89E-02	1.20E-02	5.43E-03
417	570361.8	4215509	7.72E-02	1.18E-02	5.32E-03
418	570354.9	4215516	7.52E-02	1.15E-02	5.18E-03
419	570348	4215523	7.25E-02	1.11E-02	5.00E-03
420	570341.1	4215530	6.96E-02	1.06E-02	4.79E-03
421	570334.2	4215537	6.64E-02	1.01E-02	4.58E-03
422	570327.3	4215544	6.32E-02	9.64E-03	4.35E-03
423	570320.4	4215551	5.98E-02	9.12E-03	4.12E-03
424	570313.5	4215558	5.62E-02	8.59E-03	3.87E-03
425	570421.1	4215386	8.10E-02	1.24E-02	5.58E-03
426	570420.9	4215396	8.06E-02	1.23E-02	5.55E-03
427	570420.7	4215406	8.00E-02	1.22E-02	5.52E-03
428	570420.5	4215415	7.95E-02	1.21E-02	5.48E-03
429	570419.8	4215444	7.69E-02	1.17E-02	5.30E-03
430	570419.6	4215454	7.59E-02	1.16E-02	5.23E-03
431	570412.6	4215471	7.58E-02	1.16E-02	5.22E-03
432	570405.8	4215478	7.65E-02	1.17E-02	5.27E-03
433	570399	4215484	7.69E-02	1.17E-02	5.30E-03
434	570392.2	4215491	7.71E-02	1.18E-02	5.31E-03
435	570385.4	4215498	7.68E-02	1.17E-02	5.29E-03
436	570378.6	4215505	7.58E-02	1.16E-02	5.22E-03
437	570371.8	4215512	7.43E-02	1.14E-02	5.12E-03
438	570365	4215519	7.26E-02	1.11E-02	5.00E-03
439	570358.2	4215526	7.04E-02	1.08E-02	4.85E-03
440	570351.4	4215533	6.80E-02	1.04E-02	4.68E-03
441	570344.6	4215540	6.51E-02	9.94E-03	4.49E-03
442	570337.8	4215547	6.21E-02	9.48E-03	4.28E-03
443	570331	4215553	5.89E-02	9.00E-03	4.06E-03
444	570324.2	4215560	5.57E-02	8.50E-03	3.84E-03
445	570317.4	4215567	5.22E-02	7.97E-03	3.60E-03
446	570430.5	4215382	7.74E-02	1.18E-02	5.34E-03
447	570430.3	4215391	7.73E-02	1.18E-02	5.33E-03
448	570430.1	4215401	7.70E-02	1.18E-02	5.30E-03
449	570429.9	4215410	7.65E-02	1.17E-02	5.27E-03
450	570429.2	4215439	7.43E-02	1.13E-02	5.12E-03
451	570429	4215449	7.34E-02	1.12E-02	5.06E-03
452	570428.8	4215458	7.24E-02	1.11E-02	4.99E-03
453	570421.9	4215474	7.21E-02	1.10E-02	4.97E-03
454	570415.2	4215481	7.29E-02	1.11E-02	5.03E-03
455	570408.5	4215488	7.34E-02	1.12E-02	5.06E-03
456	570401.8	4215495	7.36E-02	1.12E-02	5.07E-03
457	570395.1	4215502	7.33E-02	1.12E-02	5.05E-03
458	570388.4	4215508	7.27E-02	1.11E-02	5.01E-03
459	570381.7	4215515	7.16E-02	1.09E-02	4.93E-03
460	570375	4215522	7.00E-02	1.07E-02	4.82E-03
461	570368.3	4215529	6.81E-02	1.04E-02	4.69E-03
462	570361.6	4215536	6.60E-02	1.01E-02	4.55E-03
463	570354.9	4215542	6.36E-02	9.71E-03	4.38E-03

464	570348.2	4215549	6.09E-02	9.29E-03	4.19E-03
465	570341.5	4215556	5.80E-02	8.85E-03	4.00E-03
466	570334.8	4215563	5.49E-02	8.39E-03	3.79E-03
467	570328.1	4215570	5.18E-02	7.90E-03	3.57E-03
468	570321.4	4215576	4.85E-02	7.41E-03	3.34E-03
469	570439.7	4215387	7.40E-02	1.13E-02	5.10E-03
470	570439.5	4215396	7.39E-02	1.13E-02	5.09E-03
471	570439.3	4215406	7.37E-02	1.13E-02	5.08E-03
472	570439.1	4215415	7.32E-02	1.12E-02	5.04E-03
473	570438.4	4215443	7.09E-02	1.08E-02	4.89E-03
474	570438.2	4215453	7.01E-02	1.07E-02	4.83E-03
475	570438	4215462	6.92E-02	1.06E-02	4.77E-03
476	570431.2	4215478	6.87E-02	1.05E-02	4.74E-03
477	570424.6	4215485	6.94E-02	1.06E-02	4.78E-03
478	570417.9	4215492	7.00E-02	1.07E-02	4.82E-03
479	570411.3	4215498	7.02E-02	1.07E-02	4.84E-03
480	570404.7	4215505	7.00E-02	1.07E-02	4.83E-03
481	570398.1	4215512	6.95E-02	1.06E-02	4.79E-03
482	570391.5	4215519	6.87E-02	1.05E-02	4.73E-03
483	570384.9	4215525	6.75E-02	1.03E-02	4.65E-03
484	570378.2	4215532	6.58E-02	1.00E-02	4.53E-03
485	570371.6	4215539	6.39E-02	9.75E-03	4.40E-03
486	570365	4215545	6.17E-02	9.43E-03	4.25E-03
487	570358.4	4215552	5.94E-02	9.07E-03	4.09E-03
488	570351.8	4215559	5.69E-02	8.68E-03	3.92E-03
489	570345.2	4215566	5.41E-02	8.26E-03	3.73E-03
490	570338.6	4215572	5.12E-02	7.81E-03	3.53E-03
491	570331.9	4215579	4.82E-02	7.36E-03	3.32E-03
492	570325.3	4215586	4.35E-02	6.65E-03	3.00E-03
493	570449.2	4215377	7.09E-02	1.08E-02	4.88E-03
494	570449	4215387	7.09E-02	1.08E-02	4.89E-03
495	570448.8	4215397	7.08E-02	1.08E-02	4.88E-03
496	570448.5	4215407	7.05E-02	1.08E-02	4.86E-03
497	570448.3	4215416	7.00E-02	1.07E-02	4.83E-03
498	570447.7	4215446	6.79E-02	1.04E-02	4.68E-03
499	570447.4	4215456	6.70E-02	1.02E-02	4.62E-03
500	570447.2	4215466	6.61E-02	1.01E-02	4.55E-03
501	570440.1	4215482	6.55E-02	1.00E-02	4.51E-03
502	570433.2	4215489	6.61E-02	1.01E-02	4.56E-03
503	570426.3	4215496	6.66E-02	1.02E-02	4.59E-03
504	570419.4	4215503	6.69E-02	1.02E-02	4.61E-03
505	570412.5	4215510	6.69E-02	1.02E-02	4.61E-03
506	570405.6	4215517	6.63E-02	1.01E-02	4.57E-03
507	570398.7	4215524	6.55E-02	1.00E-02	4.51E-03
508	570391.8	4215531	6.42E-02	9.81E-03	4.43E-03
509	570384.9	4215538	6.27E-02	9.57E-03	4.32E-03
510	570378	4215546	6.07E-02	9.28E-03	4.19E-03
511	570371.1	4215553	5.86E-02	8.95E-03	4.04E-03
512	570364.2	4215560	5.63E-02	8.60E-03	3.88E-03
513	570357.3	4215567	5.38E-02	8.21E-03	3.70E-03
514	570350.4	4215574	5.10E-02	7.79E-03	3.52E-03
515	570343.5	4215581	4.82E-02	7.36E-03	3.32E-03

516	570336.5	4215588	4.53E-02	6.91E-03	3.12E-03
517	570329.6	4215595	4.24E-02	6.47E-03	2.92E-03
518	570458.6	4215373	6.82E-02	1.04E-02	4.70E-03
519	570458.4	4215382	6.81E-02	1.04E-02	4.69E-03
520	570458.2	4215392	6.79E-02	1.04E-02	4.68E-03
521	570458	4215402	6.76E-02	1.03E-02	4.66E-03
522	570457.7	4215411	6.72E-02	1.03E-02	4.63E-03
523	570457.1	4215441	6.55E-02	1.00E-02	4.51E-03
524	570456.9	4215450	6.47E-02	9.89E-03	4.46E-03
525	570456.6	4215460	6.39E-02	9.75E-03	4.40E-03
526	570456.4	4215470	6.28E-02	9.59E-03	4.33E-03
527	570449.4	4215486	6.23E-02	9.51E-03	4.29E-03
528	570442.6	4215493	6.30E-02	9.61E-03	4.34E-03
529	570435.8	4215500	6.34E-02	9.68E-03	4.37E-03
530	570429	4215507	6.37E-02	9.72E-03	4.39E-03
531	570422.1	4215514	6.37E-02	9.73E-03	4.39E-03
532	570415.3	4215521	6.35E-02	9.70E-03	4.38E-03
533	570408.5	4215528	6.29E-02	9.60E-03	4.33E-03
534	570401.7	4215535	6.18E-02	9.43E-03	4.26E-03
535	570394.9	4215542	6.04E-02	9.23E-03	4.16E-03
536	570388.1	4215548	5.88E-02	8.98E-03	4.05E-03
537	570381.3	4215555	5.70E-02	8.70E-03	3.92E-03
538	570374.5	4215562	5.49E-02	8.38E-03	3.78E-03
539	570367.6	4215569	5.26E-02	8.03E-03	3.62E-03
540	570360.8	4215576	5.02E-02	7.66E-03	3.46E-03
541	570354	4215583	4.76E-02	7.27E-03	3.28E-03
542	570347.2	4215590	4.50E-02	6.87E-03	3.10E-03
543	570340.4	4215597	4.23E-02	6.46E-03	2.92E-03
544	570333.6	4215604	3.97E-02	6.06E-03	2.73E-03
545	570468	4215368	6.57E-02	1.00E-02	4.53E-03
546	570467.8	4215378	6.55E-02	1.00E-02	4.52E-03
547	570467.6	4215387	6.53E-02	9.97E-03	4.50E-03
548	570467.4	4215397	6.49E-02	9.91E-03	4.47E-03
549	570467.1	4215407	6.44E-02	9.84E-03	4.44E-03
550	570466.9	4215416	6.41E-02	9.79E-03	4.42E-03
551	570466.3	4215445	6.25E-02	9.55E-03	4.31E-03
552	570466.1	4215454	6.18E-02	9.43E-03	4.26E-03
553	570465.8	4215464	6.09E-02	9.30E-03	4.20E-03
554	570465.6	4215474	5.98E-02	9.13E-03	4.12E-03
555	570458.7	4215490	5.93E-02	9.05E-03	4.08E-03
556	570452	4215497	5.99E-02	9.14E-03	4.12E-03
557	570445.2	4215504	6.03E-02	9.21E-03	4.16E-03
558	570438.5	4215511	6.06E-02	9.26E-03	4.18E-03
559	570431.8	4215517	6.07E-02	9.27E-03	4.18E-03
560	570425	4215524	6.06E-02	9.25E-03	4.18E-03
561	570418.3	4215531	6.02E-02	9.19E-03	4.15E-03
562	570411.6	4215538	5.95E-02	9.08E-03	4.10E-03
563	570404.8	4215545	5.83E-02	8.90E-03	4.02E-03
564	570398.1	4215552	5.69E-02	8.69E-03	3.92E-03
565	570391.4	4215558	5.52E-02	8.43E-03	3.81E-03
566	570384.7	4215565	5.34E-02	8.15E-03	3.68E-03
567	570377.9	4215572	5.13E-02	7.84E-03	3.54E-03

568	570371.2	4215579	4.92E-02	7.51E-03	3.39E-03
569	570364.5	4215586	4.69E-02	7.17E-03	3.23E-03
570	570357.7	4215593	4.45E-02	6.80E-03	3.07E-03
571	570351	4215599	4.21E-02	6.43E-03	2.90E-03
572	570344.3	4215606	3.96E-02	6.05E-03	2.73E-03
573	570337.5	4215613	3.72E-02	5.69E-03	2.57E-03
574	570477.4	4215364	6.32E-02	9.66E-03	4.36E-03
575	570477.2	4215373	6.32E-02	9.65E-03	4.35E-03
576	570477	4215383	6.29E-02	9.61E-03	4.34E-03
577	570476.8	4215392	6.26E-02	9.55E-03	4.31E-03
578	570476.5	4215402	6.21E-02	9.48E-03	4.28E-03
579	570476.3	4215411	6.17E-02	9.42E-03	4.25E-03
580	570475.7	4215440	6.05E-02	9.23E-03	4.17E-03
581	570475.5	4215449	5.98E-02	9.13E-03	4.12E-03
582	570475.3	4215459	5.90E-02	9.01E-03	4.06E-03
583	570475	4215468	5.81E-02	8.87E-03	4.00E-03
584	570474.8	4215478	5.70E-02	8.70E-03	3.93E-03
585	570468	4215494	5.64E-02	8.61E-03	3.89E-03
586	570461.3	4215501	5.69E-02	8.69E-03	3.92E-03
587	570454.7	4215507	5.73E-02	8.75E-03	3.95E-03
588	570448	4215514	5.77E-02	8.81E-03	3.97E-03
589	570441.3	4215521	5.79E-02	8.84E-03	3.99E-03
590	570434.7	4215528	5.78E-02	8.82E-03	3.98E-03
591	570428	4215534	5.75E-02	8.77E-03	3.96E-03
592	570421.4	4215541	5.69E-02	8.69E-03	3.92E-03
593	570414.7	4215548	5.62E-02	8.58E-03	3.87E-03
594	570408.1	4215555	5.50E-02	8.40E-03	3.79E-03
595	570401.4	4215561	5.35E-02	8.17E-03	3.69E-03
596	570394.7	4215568	5.18E-02	7.91E-03	3.57E-03
597	570388.1	4215575	5.00E-02	7.64E-03	3.45E-03
598	570381.4	4215582	4.81E-02	7.34E-03	3.31E-03
599	570374.8	4215588	4.61E-02	7.03E-03	3.17E-03
600	570368.1	4215595	4.39E-02	6.70E-03	3.03E-03
601	570361.5	4215602	4.17E-02	6.37E-03	2.87E-03
602	570354.8	4215609	3.95E-02	6.03E-03	2.72E-03
603	570348.2	4215615	3.72E-02	5.68E-03	2.56E-03
604	570341.5	4215622	3.50E-02	5.35E-03	2.41E-03
605	570486.7	4215363	6.08E-02	9.29E-03	4.19E-03
606	570486.5	4215373	6.08E-02	9.28E-03	4.19E-03
607	570486.3	4215383	6.06E-02	9.25E-03	4.18E-03
608	570486	4215393	6.03E-02	9.21E-03	4.16E-03
609	570485.8	4215403	5.99E-02	9.14E-03	4.13E-03
610	570485.6	4215412	5.95E-02	9.09E-03	4.10E-03
611	570484.9	4215442	5.81E-02	8.87E-03	4.00E-03
612	570484.7	4215452	5.74E-02	8.77E-03	3.96E-03
613	570484.5	4215462	5.66E-02	8.65E-03	3.90E-03
614	570484.3	4215471	5.57E-02	8.50E-03	3.84E-03
615	570484.1	4215481	5.46E-02	8.34E-03	3.76E-03
616	570476.9	4215498	5.38E-02	8.22E-03	3.71E-03
617	570470	4215505	5.42E-02	8.27E-03	3.73E-03
618	570463.1	4215512	5.46E-02	8.33E-03	3.76E-03
619	570456.2	4215519	5.49E-02	8.38E-03	3.78E-03

620	570449.3	4215526	5.51E-02	8.41E-03	3.79E-03
621	570442.4	4215533	5.50E-02	8.41E-03	3.79E-03
622	570435.5	4215540	5.47E-02	8.36E-03	3.77E-03
623	570428.6	4215547	5.42E-02	8.28E-03	3.74E-03
624	570421.7	4215554	5.35E-02	8.17E-03	3.69E-03
625	570414.8	4215561	5.25E-02	8.01E-03	3.62E-03
626	570407.9	4215568	5.10E-02	7.79E-03	3.51E-03
627	570401	4215575	4.94E-02	7.54E-03	3.40E-03
628	570394.1	4215582	4.76E-02	7.27E-03	3.28E-03
629	570387.2	4215589	4.57E-02	6.98E-03	3.15E-03
630	570380.3	4215596	4.37E-02	6.67E-03	3.01E-03
631	570373.4	4215603	4.16E-02	6.35E-03	2.87E-03
632	570366.5	4215610	3.95E-02	6.03E-03	2.72E-03
633	570359.6	4215617	3.73E-02	5.70E-03	2.57E-03
634	570352.7	4215624	3.52E-02	5.37E-03	2.42E-03
635	570345.8	4215631	3.31E-02	5.05E-03	2.28E-03
636	570496.1	4215359	5.86E-02	8.94E-03	4.04E-03
637	570495.9	4215369	5.86E-02	8.95E-03	4.04E-03
638	570495.7	4215378	5.85E-02	8.93E-03	4.03E-03
639	570495.5	4215388	5.83E-02	8.90E-03	4.02E-03
640	570495.2	4215398	5.80E-02	8.86E-03	4.00E-03
641	570495	4215407	5.77E-02	8.80E-03	3.97E-03
642	570494.8	4215417	5.73E-02	8.75E-03	3.95E-03
643	570494.1	4215446	5.57E-02	8.51E-03	3.84E-03
644	570493.9	4215456	5.50E-02	8.40E-03	3.79E-03
645	570493.7	4215466	5.43E-02	8.29E-03	3.74E-03
646	570493.5	4215475	5.33E-02	8.14E-03	3.67E-03
647	570493.3	4215485	5.23E-02	7.98E-03	3.60E-03
648	570486.2	4215502	5.15E-02	7.87E-03	3.55E-03
649	570479.4	4215509	5.18E-02	7.90E-03	3.57E-03
650	570472.6	4215516	5.19E-02	7.92E-03	3.58E-03
651	570465.7	4215523	5.21E-02	7.96E-03	3.59E-03
652	570458.9	4215530	5.23E-02	7.99E-03	3.60E-03
653	570452.1	4215536	5.23E-02	7.99E-03	3.61E-03
654	570445.3	4215543	5.22E-02	7.97E-03	3.60E-03
655	570438.4	4215550	5.18E-02	7.92E-03	3.57E-03
656	570431.6	4215557	5.12E-02	7.82E-03	3.53E-03
657	570424.8	4215564	5.04E-02	7.69E-03	3.47E-03
658	570418	4215571	4.93E-02	7.53E-03	3.40E-03
659	570411.1	4215578	4.79E-02	7.32E-03	3.30E-03
660	570404.3	4215585	4.64E-02	7.08E-03	3.20E-03
661	570397.5	4215592	4.47E-02	6.82E-03	3.08E-03
662	570390.7	4215599	4.29E-02	6.54E-03	2.95E-03
663	570383.9	4215606	4.10E-02	6.26E-03	2.82E-03
664	570377	4215613	3.90E-02	5.96E-03	2.69E-03
665	570370.2	4215620	3.70E-02	5.65E-03	2.55E-03
666	570363.4	4215627	3.50E-02	5.35E-03	2.41E-03
667	570356.6	4215633	3.30E-02	5.04E-03	2.28E-03
668	570349.7	4215640	3.11E-02	4.75E-03	2.14E-03
669	570505.5	4215355	5.64E-02	8.61E-03	3.89E-03
670	570505.3	4215364	5.65E-02	8.62E-03	3.89E-03
671	570505.1	4215374	5.65E-02	8.62E-03	3.89E-03

672	570504.9	4215383	5.64E-02	8.61E-03	3.88E-03
673	570504.6	4215393	5.62E-02	8.58E-03	3.87E-03
674	570504.4	4215403	5.59E-02	8.54E-03	3.85E-03
675	570504.2	4215412	5.56E-02	8.48E-03	3.83E-03
676	570503.6	4215441	5.41E-02	8.25E-03	3.72E-03
677	570503.3	4215451	5.35E-02	8.16E-03	3.68E-03
678	570503.1	4215460	5.28E-02	8.06E-03	3.64E-03
679	570502.9	4215470	5.20E-02	7.94E-03	3.58E-03
680	570502.7	4215480	5.11E-02	7.80E-03	3.52E-03
681	570502.5	4215489	5.01E-02	7.65E-03	3.45E-03
682	570495.5	4215506	4.94E-02	7.54E-03	3.40E-03
683	570488.7	4215513	4.96E-02	7.57E-03	3.42E-03
684	570482	4215519	4.97E-02	7.59E-03	3.42E-03
685	570475.2	4215526	4.97E-02	7.58E-03	3.42E-03
686	570468.5	4215533	4.97E-02	7.59E-03	3.43E-03
687	570461.7	4215540	4.98E-02	7.60E-03	3.43E-03
688	570455	4215547	4.97E-02	7.59E-03	3.42E-03
689	570448.2	4215554	4.95E-02	7.56E-03	3.41E-03
690	570441.5	4215561	4.90E-02	7.49E-03	3.38E-03
691	570434.7	4215567	4.83E-02	7.38E-03	3.33E-03
692	570428	4215574	4.74E-02	7.24E-03	3.27E-03
693	570421.2	4215581	4.63E-02	7.07E-03	3.19E-03
694	570414.5	4215588	4.51E-02	6.88E-03	3.11E-03
695	570407.7	4215595	4.35E-02	6.65E-03	3.00E-03
696	570401	4215602	4.19E-02	6.40E-03	2.89E-03
697	570394.2	4215608	4.02E-02	6.14E-03	2.77E-03
698	570387.5	4215615	3.85E-02	5.87E-03	2.65E-03
699	570380.7	4215622	3.66E-02	5.59E-03	2.52E-03
700	570373.9	4215629	3.47E-02	5.31E-03	2.39E-03
701	570367.2	4215636	3.29E-02	5.02E-03	2.27E-03
702	570360.4	4215643	3.11E-02	4.74E-03	2.14E-03
703	570353.7	4215650	2.93E-02	4.47E-03	2.02E-03
704	570514.9	4215350	5.43E-02	8.30E-03	3.74E-03
705	570514.7	4215360	5.44E-02	8.31E-03	3.75E-03
706	570514.5	4215369	5.45E-02	8.32E-03	3.75E-03
707	570514.3	4215379	5.44E-02	8.31E-03	3.75E-03
708	570514	4215388	5.43E-02	8.29E-03	3.74E-03
709	570513.8	4215398	5.41E-02	8.27E-03	3.73E-03
710	570513.6	4215407	5.39E-02	8.22E-03	3.71E-03
711	570513.4	4215417	5.35E-02	8.17E-03	3.69E-03
712	570512.7	4215446	5.21E-02	7.95E-03	3.59E-03
713	570512.5	4215455	5.15E-02	7.86E-03	3.55E-03
714	570512.3	4215465	5.08E-02	7.76E-03	3.50E-03
715	570512.1	4215474	5.01E-02	7.64E-03	3.45E-03
716	570511.9	4215484	4.92E-02	7.52E-03	3.39E-03
717	570511.7	4215493	4.83E-02	7.38E-03	3.33E-03
718	570504.8	4215510	4.74E-02	7.24E-03	3.27E-03
719	570498.1	4215516	4.76E-02	7.26E-03	3.28E-03
720	570491.4	4215523	4.77E-02	7.28E-03	3.28E-03
721	570484.7	4215530	4.77E-02	7.28E-03	3.28E-03
722	570478	4215537	4.75E-02	7.26E-03	3.28E-03
723	570471.3	4215543	4.74E-02	7.23E-03	3.26E-03

724	570464.7	4215550	4.73E-02	7.22E-03	3.26E-03
725	570458	4215557	4.71E-02	7.20E-03	3.25E-03
726	570451.3	4215564	4.68E-02	7.15E-03	3.23E-03
727	570444.6	4215571	4.63E-02	7.07E-03	3.19E-03
728	570437.9	4215577	4.56E-02	6.96E-03	3.14E-03
729	570431.2	4215584	4.46E-02	6.82E-03	3.08E-03
730	570424.5	4215591	4.35E-02	6.65E-03	3.00E-03
731	570417.8	4215598	4.23E-02	6.46E-03	2.91E-03
732	570411.2	4215605	4.09E-02	6.24E-03	2.82E-03
733	570404.5	4215611	3.94E-02	6.01E-03	2.71E-03
734	570397.8	4215618	3.78E-02	5.77E-03	2.60E-03
735	570391.1	4215625	3.61E-02	5.51E-03	2.49E-03
736	570384.4	4215632	3.44E-02	5.25E-03	2.37E-03
737	570377.7	4215638	3.27E-02	4.99E-03	2.25E-03
738	570371	4215645	3.09E-02	4.72E-03	2.13E-03
739	570364.3	4215652	2.92E-02	4.46E-03	2.01E-03
740	570357.7	4215659	2.76E-02	4.21E-03	1.90E-03
741	569937.1	4214980	1.94E-02	2.97E-03	1.34E-03
742	569941.8	4214988	2.08E-02	3.18E-03	1.44E-03
743	569895.6	4214925	1.41E-02	2.15E-03	9.69E-04
744	569900.3	4214934	1.45E-02	2.22E-03	1.00E-03
745	569905	4214942	1.51E-02	2.31E-03	1.04E-03
746	569909.6	4214951	1.58E-02	2.41E-03	1.09E-03
747	569914.3	4214959	1.66E-02	2.54E-03	1.15E-03
748	569919	4214968	1.77E-02	2.70E-03	1.22E-03
749	569923.7	4214976	1.88E-02	2.87E-03	1.30E-03
750	569928.3	4214985	2.01E-02	3.07E-03	1.38E-03
751	569933	4214993	2.16E-02	3.29E-03	1.49E-03
752	569877.5	4214913	1.35E-02	2.06E-03	9.32E-04
753	569882.2	4214922	1.39E-02	2.12E-03	9.58E-04
754	569886.9	4214930	1.43E-02	2.19E-03	9.88E-04
755	569891.5	4214939	1.49E-02	2.27E-03	1.02E-03
756	569896.2	4214947	1.55E-02	2.36E-03	1.07E-03
757	569900.9	4214956	1.62E-02	2.48E-03	1.12E-03
758	569905.5	4214964	1.72E-02	2.62E-03	1.18E-03
759	569910.2	4214973	1.82E-02	2.78E-03	1.26E-03
760	569914.9	4214981	1.94E-02	2.96E-03	1.34E-03
761	569919.6	4214990	2.08E-02	3.17E-03	1.43E-03
762	569924.2	4214998	2.24E-02	3.42E-03	1.54E-03
763	569928.9	4215007	2.42E-02	3.69E-03	1.67E-03
764	569868.7	4214918	1.38E-02	2.11E-03	9.50E-04
765	569873.4	4214926	1.42E-02	2.17E-03	9.78E-04
766	569878.1	4214935	1.46E-02	2.24E-03	1.01E-03
767	569882.8	4214943	1.52E-02	2.32E-03	1.05E-03
768	569887.4	4214952	1.59E-02	2.42E-03	1.09E-03
769	569892.1	4214960	1.67E-02	2.55E-03	1.15E-03
770	569896.8	4214969	1.77E-02	2.71E-03	1.22E-03
771	569901.5	4214977	1.88E-02	2.88E-03	1.30E-03
772	569906.1	4214986	2.01E-02	3.07E-03	1.38E-03
773	569910.8	4214994	2.16E-02	3.29E-03	1.49E-03
774	569915.5	4215003	2.33E-02	3.55E-03	1.60E-03
775	569920.2	4215011	2.52E-02	3.85E-03	1.74E-03

776	569860	4214923	1.41E-02	2.15E-03	9.71E-04
777	569864.7	4214931	1.45E-02	2.21E-03	9.98E-04
778	569869.3	4214940	1.50E-02	2.29E-03	1.03E-03
779	569874	4214948	1.56E-02	2.38E-03	1.07E-03
780	569878.7	4214957	1.63E-02	2.49E-03	1.12E-03
781	569883.3	4214965	1.73E-02	2.63E-03	1.19E-03
782	569888	4214974	1.83E-02	2.80E-03	1.26E-03
783	569892.7	4214982	1.95E-02	2.98E-03	1.34E-03
784	569897.4	4214991	2.08E-02	3.18E-03	1.44E-03
785	569902	4214999	2.24E-02	3.42E-03	1.54E-03
786	569906.7	4215008	2.42E-02	3.69E-03	1.67E-03
787	569911.4	4215016	2.62E-02	4.01E-03	1.81E-03
788	569851.2	4214927	1.44E-02	2.20E-03	9.93E-04
789	569855.9	4214936	1.48E-02	2.26E-03	1.02E-03
790	569860.6	4214944	1.53E-02	2.34E-03	1.06E-03
791	569865.2	4214953	1.60E-02	2.44E-03	1.10E-03
792	569869.9	4214961	1.68E-02	2.57E-03	1.16E-03
793	569874.6	4214970	1.78E-02	2.72E-03	1.23E-03
794	569879.3	4214978	1.89E-02	2.89E-03	1.30E-03
795	569883.9	4214987	2.01E-02	3.08E-03	1.39E-03
796	569888.6	4214996	2.16E-02	3.30E-03	1.49E-03
797	569893.3	4215004	2.33E-02	3.56E-03	1.61E-03
798	569898	4215013	2.52E-02	3.85E-03	1.74E-03
799	569902.6	4215021	2.73E-02	4.18E-03	1.88E-03
800	569842.5	4214932	1.47E-02	2.24E-03	1.01E-03
801	569847.1	4214941	1.51E-02	2.31E-03	1.04E-03
802	569851.8	4214949	1.57E-02	2.40E-03	1.08E-03
803	569856.5	4214958	1.64E-02	2.51E-03	1.13E-03
804	569861.1	4214966	1.74E-02	2.65E-03	1.20E-03
805	569865.8	4214975	1.84E-02	2.81E-03	1.27E-03
806	569870.5	4214983	1.96E-02	2.99E-03	1.35E-03
807	569875.2	4214992	2.09E-02	3.19E-03	1.44E-03
808	569879.8	4215000	2.25E-02	3.43E-03	1.55E-03
809	569884.5	4215009	2.42E-02	3.70E-03	1.67E-03
810	569889.2	4215017	2.62E-02	4.01E-03	1.81E-03
811	569893.9	4215026	2.85E-02	4.35E-03	1.96E-03
812	569833.7	4214937	1.50E-02	2.29E-03	1.03E-03
813	569838.4	4214946	1.55E-02	2.36E-03	1.07E-03
814	569843	4214954	1.61E-02	2.46E-03	1.11E-03
815	569847.7	4214963	1.69E-02	2.59E-03	1.17E-03
816	569852.4	4214971	1.79E-02	2.74E-03	1.23E-03
817	569857.1	4214980	1.90E-02	2.90E-03	1.31E-03
818	569861.7	4214988	2.02E-02	3.09E-03	1.39E-03
819	569866.4	4214997	2.17E-02	3.31E-03	1.49E-03
820	569871.1	4215005	2.33E-02	3.56E-03	1.61E-03
821	569875.8	4215014	2.52E-02	3.85E-03	1.74E-03
822	569880.4	4215022	2.73E-02	4.17E-03	1.88E-03
823	569885.1	4215031	2.97E-02	4.53E-03	2.05E-03
824	569941.2	4215133	1.79E-01	2.73E-02	1.23E-02
825	569945.9	4215141	1.99E-01	3.04E-02	1.37E-02
826	569950.6	4215150	2.19E-01	3.35E-02	1.51E-02
827	569824.9	4214942	1.53E-02	2.34E-03	1.06E-03

828	569829.6	4214950	1.59E-02	2.42E-03	1.09E-03
829	569834.3	4214959	1.66E-02	2.53E-03	1.14E-03
830	569838.9	4214967	1.75E-02	2.67E-03	1.20E-03
831	569843.6	4214976	1.85E-02	2.82E-03	1.27E-03
832	569848.3	4214984	1.96E-02	2.99E-03	1.35E-03
833	569853	4214993	2.09E-02	3.19E-03	1.44E-03
834	569857.6	4215001	2.25E-02	3.43E-03	1.55E-03
835	569862.3	4215010	2.42E-02	3.70E-03	1.67E-03
836	569867	4215018	2.62E-02	4.00E-03	1.80E-03
837	569871.7	4215027	2.83E-02	4.33E-03	1.95E-03
838	569876.3	4215035	3.08E-02	4.71E-03	2.12E-03
839	569927.8	4215129	1.54E-01	2.36E-02	1.06E-02
840	569932.4	4215137	1.72E-01	2.63E-02	1.19E-02
841	569937.1	4215146	1.89E-01	2.89E-02	1.31E-02
842	569941.8	4215154	2.07E-01	3.15E-02	1.42E-02
843	569816.2	4214947	1.57E-02	2.39E-03	1.08E-03
844	569820.8	4214955	1.63E-02	2.48E-03	1.12E-03
845	569825.5	4214964	1.71E-02	2.61E-03	1.18E-03
846	569830.2	4214972	1.80E-02	2.75E-03	1.24E-03
847	569834.9	4214981	1.90E-02	2.91E-03	1.31E-03
848	569839.5	4214989	2.02E-02	3.09E-03	1.39E-03
849	569844.2	4214998	2.16E-02	3.31E-03	1.49E-03
850	569848.9	4215006	2.33E-02	3.55E-03	1.60E-03
851	569853.6	4215015	2.51E-02	3.83E-03	1.73E-03
852	569858.2	4215023	2.71E-02	4.14E-03	1.87E-03
853	569862.9	4215032	2.94E-02	4.49E-03	2.02E-03
854	569914.3	4215125	1.28E-01	1.96E-02	8.84E-03
855	569919	4215134	1.51E-01	2.31E-02	1.04E-02
856	569923.7	4215142	1.65E-01	2.52E-02	1.14E-02
857	569928.4	4215151	1.80E-01	2.75E-02	1.24E-02
858	569933	4215159	1.95E-01	2.97E-02	1.34E-02
859	569802.7	4214943	1.56E-02	2.38E-03	1.07E-03
860	569807.4	4214952	1.61E-02	2.45E-03	1.11E-03
861	569812.1	4214960	1.67E-02	2.55E-03	1.15E-03
862	569816.7	4214969	1.76E-02	2.68E-03	1.21E-03
863	569821.4	4214977	1.85E-02	2.83E-03	1.28E-03
864	569826.1	4214986	1.96E-02	2.99E-03	1.35E-03
865	569830.8	4214994	2.09E-02	3.19E-03	1.44E-03
866	569835.4	4215003	2.24E-02	3.42E-03	1.54E-03
867	569840.1	4215011	2.41E-02	3.68E-03	1.66E-03
868	569844.8	4215020	2.60E-02	3.96E-03	1.79E-03
869	569849.5	4215028	2.80E-02	4.28E-03	1.93E-03
870	569854.1	4215037	3.04E-02	4.64E-03	2.09E-03
871	569905.6	4215130	1.27E-01	1.94E-02	8.75E-03
872	569910.2	4215139	1.47E-01	2.24E-02	1.01E-02
873	569914.9	4215147	1.58E-01	2.41E-02	1.09E-02
874	569919.6	4215156	1.71E-01	2.62E-02	1.18E-02
875	569924.3	4215164	1.84E-01	2.80E-02	1.27E-02
876	569792.9	4214939	1.54E-02	2.36E-03	1.06E-03
877	569794	4214948	1.59E-02	2.43E-03	1.10E-03
878	569798.6	4214956	1.65E-02	2.51E-03	1.13E-03
879	569803.3	4214965	1.72E-02	2.63E-03	1.19E-03

880	569808	4214973	1.81E-02	2.76E-03	1.24E-03
881	569812.7	4214982	1.90E-02	2.90E-03	1.31E-03
882	569817.3	4214990	2.02E-02	3.08E-03	1.39E-03
883	569822	4214999	2.16E-02	3.29E-03	1.49E-03
884	569826.7	4215007	2.31E-02	3.53E-03	1.59E-03
885	569831.4	4215016	2.48E-02	3.79E-03	1.71E-03
886	569836	4215024	2.68E-02	4.09E-03	1.84E-03
887	569840.7	4215033	2.89E-02	4.42E-03	1.99E-03
888	569896.8	4215135	1.26E-01	1.92E-02	8.66E-03
889	569901.5	4215143	1.42E-01	2.17E-02	9.78E-03
890	569906.2	4215152	1.51E-01	2.31E-02	1.04E-02
891	569910.8	4215160	1.63E-01	2.49E-02	1.12E-02
892	569915.5	4215169	1.73E-01	2.65E-02	1.19E-02
893	569784.2	4214944	1.58E-02	2.41E-03	1.09E-03
894	569783.1	4214935	1.54E-02	2.35E-03	1.06E-03
895	569789.9	4214961	1.69E-02	2.58E-03	1.17E-03
896	569794.5	4214970	1.77E-02	2.70E-03	1.22E-03
897	569799.2	4214978	1.86E-02	2.83E-03	1.28E-03
898	569803.9	4214987	1.96E-02	2.99E-03	1.35E-03
899	569808.6	4214995	2.08E-02	3.18E-03	1.43E-03
900	569813.2	4215004	2.22E-02	3.39E-03	1.53E-03
901	569817.9	4215012	2.38E-02	3.63E-03	1.64E-03
902	569822.6	4215021	2.56E-02	3.90E-03	1.76E-03
903	569827.3	4215029	2.75E-02	4.20E-03	1.90E-03
904	569831.9	4215038	2.97E-02	4.53E-03	2.05E-03
905	569888	4215140	1.23E-01	1.87E-02	8.45E-03
906	569892.7	4215148	1.37E-01	2.09E-02	9.41E-03
907	569897.4	4215157	1.44E-01	2.21E-02	9.96E-03
908	569902.1	4215165	1.55E-01	2.37E-02	1.07E-02
909	569906.7	4215174	1.63E-01	2.48E-02	1.12E-02
910	569775.3	4214948	1.61E-02	2.46E-03	1.11E-03
911	569774.2	4214939	1.56E-02	2.39E-03	1.08E-03
912	569773.1	4214929	1.53E-02	2.34E-03	1.05E-03
913	569776.4	4214958	1.67E-02	2.55E-03	1.15E-03
914	569781.1	4214966	1.74E-02	2.65E-03	1.20E-03
915	569785.8	4214975	1.81E-02	2.77E-03	1.25E-03
916	569790.5	4214983	1.91E-02	2.91E-03	1.31E-03
917	569795.1	4214992	2.01E-02	3.07E-03	1.39E-03
918	569799.8	4215000	2.14E-02	3.26E-03	1.47E-03
919	569804.5	4215009	2.28E-02	3.48E-03	1.57E-03
920	569809.2	4215017	2.44E-02	3.73E-03	1.68E-03
921	569813.8	4215026	2.62E-02	4.00E-03	1.81E-03
922	569818.5	4215034	2.82E-02	4.30E-03	1.94E-03
923	569823.2	4215043	3.04E-02	4.64E-03	2.09E-03
924	569879.3	4215145	1.18E-01	1.81E-02	8.16E-03
925	569884	4215153	1.31E-01	2.00E-02	9.01E-03
926	569888.6	4215162	1.38E-01	2.10E-02	9.48E-03
927	569893.3	4215170	1.46E-01	2.23E-02	1.01E-02
928	569898	4215179	1.52E-01	2.33E-02	1.05E-02
929	569766.6	4214953	1.65E-02	2.52E-03	1.14E-03
930	569765.5	4214944	1.60E-02	2.44E-03	1.10E-03
931	569764.4	4214934	1.56E-02	2.38E-03	1.08E-03

932	569763.3	4214925	1.53E-02	2.34E-03	1.06E-03
933	569777.2	4214821	9.11E-03	1.39E-03	6.28E-04
934	569782.9	4214813	8.71E-03	1.33E-03	6.00E-04
935	569767.7	4214962	1.71E-02	2.62E-03	1.18E-03
936	569772.3	4214971	1.78E-02	2.72E-03	1.23E-03
937	569777	4214979	1.86E-02	2.84E-03	1.28E-03
938	569781.7	4214988	1.95E-02	2.98E-03	1.35E-03
939	569786.4	4214996	2.06E-02	3.15E-03	1.42E-03
940	569791	4215005	2.19E-02	3.34E-03	1.51E-03
941	569795.7	4215013	2.33E-02	3.56E-03	1.61E-03
942	569800.4	4215022	2.49E-02	3.80E-03	1.72E-03
943	569805.1	4215030	2.67E-02	4.08E-03	1.84E-03
944	569809.7	4215039	2.87E-02	4.39E-03	1.98E-03
945	569814.4	4215047	3.10E-02	4.73E-03	2.13E-03
946	569819.1	4215056	3.34E-02	5.10E-03	2.30E-03
947	569870.5	4215149	1.12E-01	1.71E-02	7.72E-03
948	569875.2	4215158	1.24E-01	1.90E-02	8.58E-03
949	569879.9	4215166	1.34E-01	2.05E-02	9.24E-03
950	569884.5	4215175	1.37E-01	2.10E-02	9.47E-03
951	569889.2	4215183	1.43E-01	2.19E-02	9.86E-03
952	569757.8	4214958	1.69E-02	2.58E-03	1.16E-03
953	569756.7	4214949	1.64E-02	2.50E-03	1.13E-03
954	569755.7	4214940	1.59E-02	2.43E-03	1.10E-03
955	569754.6	4214930	1.56E-02	2.38E-03	1.08E-03
956	569753.5	4214921	1.54E-02	2.35E-03	1.06E-03
957	569750.4	4214841	9.99E-03	1.53E-03	6.89E-04
958	569756	4214833	9.57E-03	1.46E-03	6.60E-04
959	569767.2	4214818	8.89E-03	1.36E-03	6.12E-04
960	569772.8	4214811	8.54E-03	1.30E-03	5.88E-04
961	569784	4214796	7.98E-03	1.22E-03	5.50E-04
962	569758.9	4214967	1.76E-02	2.68E-03	1.21E-03
963	569763.6	4214976	1.83E-02	2.79E-03	1.26E-03
964	569768.3	4214984	1.91E-02	2.91E-03	1.31E-03
965	569772.9	4214993	2.01E-02	3.06E-03	1.38E-03
966	569777.6	4215001	2.12E-02	3.23E-03	1.46E-03
967	569782.3	4215010	2.24E-02	3.42E-03	1.54E-03
968	569787	4215018	2.38E-02	3.63E-03	1.64E-03
969	569791.6	4215027	2.54E-02	3.87E-03	1.75E-03
970	569796.3	4215035	2.72E-02	4.15E-03	1.87E-03
971	569801	4215044	2.92E-02	4.45E-03	2.01E-03
972	569805.7	4215052	3.13E-02	4.79E-03	2.16E-03
973	569810.3	4215061	3.37E-02	5.15E-03	2.32E-03
974	569861.8	4215154	1.03E-01	1.57E-02	7.11E-03
975	569866.4	4215163	1.16E-01	1.77E-02	7.99E-03
976	569871.1	4215171	1.26E-01	1.93E-02	8.70E-03
977	569875.8	4215180	1.33E-01	2.03E-02	9.18E-03
978	569880.5	4215188	1.35E-01	2.07E-02	9.34E-03
979	569749.1	4214963	1.73E-02	2.64E-03	1.19E-03
980	569748	4214954	1.67E-02	2.56E-03	1.15E-03
981	569746.9	4214945	1.63E-02	2.49E-03	1.12E-03
982	569745.9	4214936	1.59E-02	2.43E-03	1.10E-03
983	569744.8	4214927	1.56E-02	2.39E-03	1.08E-03

984	569743.7	4214918	1.54E-02	2.36E-03	1.06E-03
985	569736.2	4214854	1.09E-02	1.67E-03	7.52E-04
986	569740.7	4214838	9.83E-03	1.50E-03	6.77E-04
987	569746.2	4214831	9.42E-03	1.44E-03	6.49E-04
988	569757.3	4214816	8.70E-03	1.33E-03	6.00E-04
989	569768.3	4214802	8.13E-03	1.24E-03	5.60E-04
990	569779.4	4214787	7.68E-03	1.17E-03	5.29E-04
991	569750.1	4214972	1.80E-02	2.74E-03	1.24E-03
992	569754.8	4214980	1.87E-02	2.85E-03	1.29E-03
993	569759.5	4214989	1.95E-02	2.98E-03	1.35E-03
994	569764.2	4214997	2.05E-02	3.14E-03	1.42E-03
995	569768.8	4215006	2.16E-02	3.31E-03	1.49E-03
996	569773.5	4215014	2.29E-02	3.49E-03	1.58E-03
997	569778.2	4215023	2.43E-02	3.70E-03	1.67E-03
998	569782.9	4215031	2.58E-02	3.94E-03	1.78E-03
999	569787.5	4215040	2.75E-02	4.21E-03	1.90E-03
1000	569792.2	4215048	2.95E-02	4.50E-03	2.03E-03
1001	569796.9	4215057	3.16E-02	4.83E-03	2.18E-03
1002	569801.6	4215066	3.40E-02	5.19E-03	2.34E-03
1003	569806.2	4215074	3.65E-02	5.57E-03	2.51E-03
1004	569853	4215159	9.43E-02	1.44E-02	6.50E-03
1005	569857.7	4215168	1.07E-01	1.63E-02	7.36E-03
1006	569862.3	4215176	1.18E-01	1.80E-02	8.13E-03
1007	569867	4215185	1.26E-01	1.92E-02	8.68E-03
1008	569871.7	4215193	1.29E-01	1.97E-02	8.89E-03
1009	569740.2	4214967	1.77E-02	2.70E-03	1.22E-03
1010	569739.1	4214958	1.71E-02	2.61E-03	1.18E-03
1011	569738	4214948	1.66E-02	2.53E-03	1.14E-03
1012	569736.8	4214938	1.62E-02	2.47E-03	1.11E-03
1013	569735.7	4214929	1.58E-02	2.42E-03	1.09E-03
1014	569734.6	4214919	1.55E-02	2.37E-03	1.07E-03
1015	569727.8	4214862	1.14E-02	1.74E-03	7.87E-04
1016	569726.6	4214852	1.07E-02	1.64E-03	7.39E-04
1017	569731.4	4214835	9.66E-03	1.48E-03	6.66E-04
1018	569737.2	4214827	9.26E-03	1.41E-03	6.38E-04
1019	569743.1	4214820	8.87E-03	1.36E-03	6.12E-04
1020	569748.9	4214812	8.50E-03	1.30E-03	5.86E-04
1021	569754.8	4214804	8.18E-03	1.25E-03	5.64E-04
1022	569760.6	4214797	7.96E-03	1.22E-03	5.49E-04
1023	569766.5	4214789	7.74E-03	1.18E-03	5.33E-04
1024	569772.3	4214781	7.51E-03	1.15E-03	5.17E-04
1025	569741.4	4214977	1.84E-02	2.81E-03	1.27E-03
1026	569746.1	4214985	1.91E-02	2.91E-03	1.32E-03
1027	569750.7	4214994	2.00E-02	3.05E-03	1.38E-03
1028	569755.4	4215002	2.10E-02	3.21E-03	1.45E-03
1029	569760.1	4215011	2.21E-02	3.38E-03	1.52E-03
1030	569764.8	4215019	2.33E-02	3.57E-03	1.61E-03
1031	569769.4	4215028	2.47E-02	3.78E-03	1.70E-03
1032	569774.1	4215036	2.63E-02	4.01E-03	1.81E-03
1033	569778.8	4215045	2.79E-02	4.26E-03	1.92E-03
1034	569783.5	4215053	2.98E-02	4.55E-03	2.05E-03
1035	569788.1	4215062	3.19E-02	4.87E-03	2.20E-03

1036	569792.8	4215070	3.41E-02	5.21E-03	2.35E-03
1037	569797.5	4215079	3.65E-02	5.58E-03	2.52E-03
1038	569844.2	4215164	8.60E-02	1.31E-02	5.92E-03
1039	569848.9	4215172	9.94E-02	1.52E-02	6.85E-03
1040	569853.6	4215181	1.11E-01	1.70E-02	7.67E-03
1041	569858.3	4215189	1.20E-01	1.83E-02	8.25E-03
1042	569862.9	4215198	1.25E-01	1.90E-02	8.60E-03
1043	569731.5	4214972	1.81E-02	2.76E-03	1.25E-03
1044	569730.4	4214963	1.75E-02	2.67E-03	1.20E-03
1045	569729.3	4214953	1.70E-02	2.59E-03	1.17E-03
1046	569728.1	4214944	1.65E-02	2.52E-03	1.14E-03
1047	569727	4214934	1.62E-02	2.47E-03	1.11E-03
1048	569725.9	4214925	1.58E-02	2.42E-03	1.09E-03
1049	569724.8	4214916	1.54E-02	2.35E-03	1.06E-03
1050	569719.2	4214868	1.19E-02	1.82E-03	8.20E-04
1051	569718.1	4214859	1.12E-02	1.71E-03	7.72E-04
1052	569717	4214849	1.06E-02	1.62E-03	7.29E-04
1053	569721.6	4214832	9.56E-03	1.46E-03	6.59E-04
1054	569727.4	4214825	9.17E-03	1.40E-03	6.32E-04
1055	569733.2	4214817	8.81E-03	1.34E-03	6.07E-04
1056	569738.9	4214810	8.46E-03	1.29E-03	5.83E-04
1057	569744.7	4214802	8.17E-03	1.25E-03	5.63E-04
1058	569750.5	4214795	7.93E-03	1.21E-03	5.47E-04
1059	569756.2	4214787	7.70E-03	1.18E-03	5.31E-04
1060	569762	4214779	7.49E-03	1.14E-03	5.16E-04
1061	569767.8	4214772	7.33E-03	1.12E-03	5.05E-04
1062	569732.6	4214982	1.88E-02	2.87E-03	1.29E-03
1063	569737.3	4214990	1.95E-02	2.98E-03	1.35E-03
1064	569742	4214999	2.04E-02	3.12E-03	1.41E-03
1065	569746.6	4215007	2.14E-02	3.27E-03	1.48E-03
1066	569751.3	4215016	2.25E-02	3.44E-03	1.55E-03
1067	569756	4215024	2.38E-02	3.63E-03	1.64E-03
1068	569760.7	4215033	2.51E-02	3.84E-03	1.73E-03
1069	569765.3	4215041	2.66E-02	4.07E-03	1.83E-03
1070	569770	4215050	2.83E-02	4.32E-03	1.95E-03
1071	569774.7	4215058	3.01E-02	4.60E-03	2.07E-03
1072	569779.4	4215067	3.21E-02	4.90E-03	2.21E-03
1073	569784	4215075	3.42E-02	5.22E-03	2.36E-03
1074	569788.7	4215084	3.65E-02	5.57E-03	2.52E-03
1075	569793.4	4215092	3.90E-02	5.95E-03	2.68E-03
1076	569835.5	4215169	8.27E-02	1.26E-02	5.70E-03
1077	569840.1	4215177	9.49E-02	1.45E-02	6.54E-03
1078	569844.8	4215186	1.06E-01	1.63E-02	7.34E-03
1079	569849.5	4215194	1.15E-01	1.75E-02	7.91E-03
1080	569854.2	4215203	1.17E-01	1.79E-02	8.07E-03
1081	569722.8	4214977	1.85E-02	2.82E-03	1.27E-03
1082	569721.7	4214968	1.79E-02	2.73E-03	1.23E-03
1083	569720.5	4214958	1.73E-02	2.65E-03	1.20E-03
1084	569719.4	4214949	1.69E-02	2.58E-03	1.16E-03
1085	569718.3	4214940	1.65E-02	2.52E-03	1.13E-03
1086	569717.2	4214931	1.61E-02	2.46E-03	1.11E-03
1087	569716.1	4214921	1.57E-02	2.40E-03	1.08E-03

1088	569715	4214912	1.52E-02	2.32E-03	1.05E-03
1089	569711.7	4214884	1.32E-02	2.01E-03	9.07E-04
1090	569710.6	4214875	1.24E-02	1.89E-03	8.54E-04
1091	569709.5	4214865	1.17E-02	1.79E-03	8.07E-04
1092	569708.4	4214856	1.11E-02	1.69E-03	7.62E-04
1093	569707.3	4214847	1.05E-02	1.60E-03	7.22E-04
1094	569711.9	4214830	9.55E-03	1.46E-03	6.58E-04
1095	569717.6	4214822	9.14E-03	1.40E-03	6.30E-04
1096	569723.3	4214815	8.75E-03	1.34E-03	6.03E-04
1097	569729	4214807	8.41E-03	1.28E-03	5.80E-04
1098	569734.7	4214800	8.18E-03	1.25E-03	5.64E-04
1099	569740.4	4214793	7.96E-03	1.22E-03	5.49E-04
1100	569746.1	4214785	7.73E-03	1.18E-03	5.33E-04
1101	569751.8	4214778	7.50E-03	1.14E-03	5.17E-04
1102	569757.4	4214770	7.36E-03	1.12E-03	5.07E-04
1103	569763.1	4214763	7.25E-03	1.11E-03	5.00E-04
1104	569723.9	4214986	1.92E-02	2.92E-03	1.32E-03
1105	569728.5	4214995	2.00E-02	3.05E-03	1.38E-03
1106	569733.2	4215003	2.09E-02	3.18E-03	1.44E-03
1107	569737.9	4215012	2.18E-02	3.34E-03	1.51E-03
1108	569742.6	4215020	2.30E-02	3.51E-03	1.58E-03
1109	569747.2	4215029	2.42E-02	3.69E-03	1.67E-03
1110	569751.9	4215037	2.55E-02	3.89E-03	1.76E-03
1111	569756.6	4215046	2.69E-02	4.11E-03	1.85E-03
1112	569761.3	4215054	2.86E-02	4.36E-03	1.97E-03
1113	569765.9	4215063	3.03E-02	4.63E-03	2.09E-03
1114	569770.6	4215071	3.22E-02	4.92E-03	2.22E-03
1115	569775.3	4215080	3.43E-02	5.23E-03	2.36E-03
1116	569780	4215088	3.64E-02	5.56E-03	2.51E-03
1117	569784.6	4215097	3.87E-02	5.91E-03	2.67E-03
1118	569789.3	4215105	4.11E-02	6.28E-03	2.83E-03
1119	569826.7	4215173	8.04E-02	1.23E-02	5.54E-03
1120	569831.4	4215182	9.16E-02	1.40E-02	6.31E-03
1121	569836.1	4215190	1.02E-01	1.56E-02	7.04E-03
1122	569840.7	4215199	1.09E-01	1.66E-02	7.50E-03
1123	569845.4	4215207	1.10E-01	1.68E-02	7.60E-03
1124	569714	4214982	1.88E-02	2.87E-03	1.30E-03
1125	569712.9	4214973	1.82E-02	2.78E-03	1.25E-03
1126	569711.8	4214964	1.77E-02	2.70E-03	1.22E-03
1127	569710.7	4214954	1.72E-02	2.63E-03	1.19E-03
1128	569709.6	4214945	1.68E-02	2.57E-03	1.16E-03
1129	569708.6	4214936	1.64E-02	2.51E-03	1.13E-03
1130	569707.5	4214927	1.61E-02	2.45E-03	1.11E-03
1131	569706.4	4214918	1.55E-02	2.36E-03	1.07E-03
1132	569705.3	4214908	1.49E-02	2.27E-03	1.03E-03
1133	569704.2	4214899	1.43E-02	2.19E-03	9.87E-04
1134	569703.1	4214890	1.36E-02	2.07E-03	9.36E-04
1135	569702	4214881	1.28E-02	1.96E-03	8.85E-04
1136	569700.9	4214872	1.22E-02	1.86E-03	8.38E-04
1137	569699.8	4214862	1.15E-02	1.76E-03	7.95E-04
1138	569698.7	4214853	1.09E-02	1.67E-03	7.54E-04
1139	569697.6	4214844	1.04E-02	1.59E-03	7.17E-04

1140	569702.2	4214827	9.54E-03	1.46E-03	6.58E-04
1141	569707.8	4214820	9.16E-03	1.40E-03	6.31E-04
1142	569713.4	4214813	8.78E-03	1.34E-03	6.05E-04
1143	569719.1	4214805	8.43E-03	1.29E-03	5.81E-04
1144	569730.3	4214790	8.01E-03	1.22E-03	5.52E-04
1145	569735.9	4214783	7.80E-03	1.19E-03	5.37E-04
1146	569741.6	4214776	7.58E-03	1.16E-03	5.23E-04
1147	569752.8	4214761	7.32E-03	1.12E-03	5.05E-04
1148	569715.1	4214991	1.95E-02	2.98E-03	1.35E-03
1149	569719.8	4215000	2.03E-02	3.11E-03	1.40E-03
1150	569724.4	4215008	2.12E-02	3.24E-03	1.46E-03
1151	569729.1	4215017	2.22E-02	3.40E-03	1.53E-03
1152	569733.8	4215025	2.33E-02	3.56E-03	1.61E-03
1153	569738.5	4215034	2.45E-02	3.75E-03	1.69E-03
1154	569743.1	4215042	2.58E-02	3.94E-03	1.78E-03
1155	569747.8	4215051	2.72E-02	4.16E-03	1.88E-03
1156	569752.5	4215059	2.88E-02	4.39E-03	1.98E-03
1157	569757.2	4215068	3.05E-02	4.65E-03	2.10E-03
1158	569761.8	4215076	3.23E-02	4.93E-03	2.23E-03
1159	569766.5	4215085	3.43E-02	5.23E-03	2.36E-03
1160	569771.2	4215093	3.63E-02	5.55E-03	2.50E-03
1161	569775.9	4215102	3.85E-02	5.88E-03	2.65E-03
1162	569780.5	4215110	4.07E-02	6.22E-03	2.81E-03
1163	569817.9	4215178	7.79E-02	1.19E-02	5.37E-03
1164	569822.6	4215187	8.83E-02	1.35E-02	6.08E-03
1165	569827.3	4215195	9.80E-02	1.50E-02	6.75E-03
1166	569832	4215204	1.01E-01	1.55E-02	6.98E-03
1167	569836.6	4215212	1.03E-01	1.57E-02	7.09E-03
1168	569705.3	4214987	1.91E-02	2.92E-03	1.32E-03
1169	569704.2	4214978	1.85E-02	2.83E-03	1.28E-03
1170	569703.1	4214969	1.80E-02	2.75E-03	1.24E-03
1171	569702	4214960	1.76E-02	2.69E-03	1.21E-03
1172	569700.9	4214951	1.72E-02	2.62E-03	1.18E-03
1173	569699.9	4214941	1.67E-02	2.55E-03	1.15E-03
1174	569698.8	4214932	1.63E-02	2.50E-03	1.13E-03
1175	569697.7	4214923	1.59E-02	2.43E-03	1.09E-03
1176	569696.6	4214914	1.52E-02	2.32E-03	1.05E-03
1177	569695.5	4214905	1.46E-02	2.22E-03	1.00E-03
1178	569694.5	4214896	1.39E-02	2.13E-03	9.60E-04
1179	569693.4	4214887	1.32E-02	2.02E-03	9.11E-04
1180	569692.3	4214878	1.26E-02	1.92E-03	8.66E-04
1181	569691.2	4214868	1.20E-02	1.83E-03	8.25E-04
1182	569690.1	4214859	1.14E-02	1.74E-03	7.86E-04
1183	569689.1	4214850	1.09E-02	1.66E-03	7.49E-04
1184	569688	4214841	1.04E-02	1.58E-03	7.15E-04
1185	569692.5	4214825	9.57E-03	1.46E-03	6.59E-04
1186	569703.6	4214810	8.83E-03	1.35E-03	6.08E-04
1187	569714.7	4214796	8.32E-03	1.27E-03	5.73E-04
1188	569725.9	4214781	7.89E-03	1.20E-03	5.44E-04
1189	569731.5	4214774	7.72E-03	1.18E-03	5.32E-04
1190	569742.6	4214759	7.50E-03	1.15E-03	5.17E-04
1191	569706.3	4214996	1.99E-02	3.04E-03	1.37E-03

1192	569711	4215005	2.07E-02	3.16E-03	1.43E-03
1193	569715.7	4215013	2.16E-02	3.29E-03	1.49E-03
1194	569720.4	4215022	2.26E-02	3.45E-03	1.56E-03
1195	569725	4215030	2.37E-02	3.62E-03	1.63E-03
1196	569729.7	4215039	2.48E-02	3.79E-03	1.71E-03
1197	569734.4	4215047	2.61E-02	3.98E-03	1.80E-03
1198	569739.1	4215056	2.75E-02	4.20E-03	1.90E-03
1199	569743.7	4215064	2.90E-02	4.43E-03	2.00E-03
1200	569748.4	4215073	3.06E-02	4.68E-03	2.11E-03
1201	569753.1	4215081	3.23E-02	4.94E-03	2.23E-03
1202	569757.8	4215090	3.42E-02	5.22E-03	2.36E-03
1203	569762.4	4215098	3.62E-02	5.53E-03	2.49E-03
1204	569767.1	4215107	3.82E-02	5.84E-03	2.64E-03
1205	569771.8	4215115	4.04E-02	6.18E-03	2.79E-03
1206	569809.2	4215183	7.61E-02	1.16E-02	5.24E-03
1207	569813.8	4215192	8.49E-02	1.30E-02	5.85E-03
1208	569818.5	4215200	9.15E-02	1.40E-02	6.31E-03
1209	569823.2	4215209	9.44E-02	1.44E-02	6.50E-03
1210	569827.9	4215217	9.63E-02	1.47E-02	6.63E-03
1211	569696.4	4214991	1.94E-02	2.97E-03	1.34E-03
1212	569695.3	4214982	1.88E-02	2.87E-03	1.29E-03
1213	569694.2	4214972	1.82E-02	2.79E-03	1.26E-03
1214	569693.1	4214963	1.78E-02	2.72E-03	1.23E-03
1215	569691.9	4214953	1.74E-02	2.66E-03	1.20E-03
1216	569690.8	4214944	1.69E-02	2.58E-03	1.16E-03
1217	569689.7	4214934	1.64E-02	2.51E-03	1.13E-03
1218	569688.5	4214925	1.59E-02	2.43E-03	1.10E-03
1219	569687.4	4214915	1.52E-02	2.32E-03	1.05E-03
1220	569686.3	4214906	1.45E-02	2.22E-03	1.00E-03
1221	569685.2	4214896	1.39E-02	2.12E-03	9.57E-04
1222	569684	4214887	1.32E-02	2.01E-03	9.09E-04
1223	569682.9	4214877	1.26E-02	1.92E-03	8.66E-04
1224	569681.8	4214868	1.20E-02	1.83E-03	8.25E-04
1225	569680.6	4214858	1.14E-02	1.74E-03	7.87E-04
1226	569679.5	4214848	1.09E-02	1.66E-03	7.51E-04
1227	569678.4	4214839	1.04E-02	1.59E-03	7.18E-04
1228	569683.1	4214822	9.64E-03	1.47E-03	6.64E-04
1229	569688.9	4214814	9.23E-03	1.41E-03	6.36E-04
1230	569694.7	4214807	8.84E-03	1.35E-03	6.09E-04
1231	569700.5	4214799	8.63E-03	1.32E-03	5.95E-04
1232	569706.4	4214791	8.42E-03	1.29E-03	5.80E-04
1233	569712.2	4214784	8.20E-03	1.25E-03	5.65E-04
1234	569718	4214776	7.98E-03	1.22E-03	5.50E-04
1235	569723.8	4214768	7.86E-03	1.20E-03	5.41E-04
1236	569697.6	4215001	2.02E-02	3.08E-03	1.39E-03
1237	569702.2	4215009	2.10E-02	3.20E-03	1.45E-03
1238	569706.9	4215018	2.19E-02	3.34E-03	1.51E-03
1239	569711.6	4215026	2.29E-02	3.50E-03	1.58E-03
1240	569716.3	4215035	2.40E-02	3.66E-03	1.65E-03
1241	569720.9	4215043	2.51E-02	3.83E-03	1.73E-03
1242	569725.6	4215052	2.64E-02	4.03E-03	1.82E-03
1243	569730.3	4215060	2.78E-02	4.24E-03	1.91E-03

1244	569735	4215069	2.92E-02	4.46E-03	2.01E-03
1245	569739.6	4215077	3.08E-02	4.70E-03	2.12E-03
1246	569744.3	4215086	3.24E-02	4.95E-03	2.24E-03
1247	569749	4215094	3.42E-02	5.22E-03	2.36E-03
1248	569753.7	4215103	3.60E-02	5.50E-03	2.48E-03
1249	569758.3	4215111	3.80E-02	5.80E-03	2.62E-03
1250	569763	4215120	4.02E-02	6.13E-03	2.77E-03
1251	569800.4	4215188	7.46E-02	1.14E-02	5.14E-03
1252	569805.1	4215196	8.25E-02	1.26E-02	5.68E-03
1253	569809.8	4215205	8.58E-02	1.31E-02	5.91E-03
1254	569814.4	4215213	8.87E-02	1.35E-02	6.11E-03
1255	569819.1	4215222	9.09E-02	1.39E-02	6.26E-03
1256	569687.7	4214996	1.98E-02	3.02E-03	1.36E-03
1257	569686.6	4214987	1.91E-02	2.92E-03	1.32E-03
1258	569685.5	4214977	1.85E-02	2.83E-03	1.28E-03
1259	569684.3	4214968	1.81E-02	2.76E-03	1.24E-03
1260	569683.2	4214959	1.76E-02	2.69E-03	1.22E-03
1261	569682.1	4214949	1.71E-02	2.62E-03	1.18E-03
1262	569681	4214940	1.66E-02	2.54E-03	1.14E-03
1263	569679.9	4214930	1.61E-02	2.46E-03	1.11E-03
1264	569678.8	4214921	1.55E-02	2.36E-03	1.07E-03
1265	569677.7	4214912	1.48E-02	2.26E-03	1.02E-03
1266	569676.5	4214902	1.42E-02	2.17E-03	9.79E-04
1267	569675.4	4214893	1.36E-02	2.07E-03	9.36E-04
1268	569674.3	4214883	1.30E-02	1.98E-03	8.94E-04
1269	569673.2	4214874	1.24E-02	1.89E-03	8.54E-04
1270	569672.1	4214864	1.19E-02	1.81E-03	8.18E-04
1271	569671	4214855	1.14E-02	1.73E-03	7.83E-04
1272	569669.8	4214846	1.09E-02	1.66E-03	7.51E-04
1273	569668.7	4214836	1.05E-02	1.60E-03	7.21E-04
1274	569673.4	4214819	9.76E-03	1.49E-03	6.73E-04
1275	569679.1	4214812	9.36E-03	1.43E-03	6.45E-04
1276	569684.9	4214804	9.02E-03	1.38E-03	6.21E-04
1277	569690.6	4214797	8.82E-03	1.35E-03	6.08E-04
1278	569696.4	4214789	8.63E-03	1.32E-03	5.94E-04
1279	569688.8	4215006	2.05E-02	3.13E-03	1.41E-03
1280	569693.5	4215014	2.13E-02	3.25E-03	1.46E-03
1281	569698.2	4215023	2.22E-02	3.38E-03	1.53E-03
1282	569702.8	4215031	2.32E-02	3.54E-03	1.60E-03
1283	569707.5	4215040	2.42E-02	3.69E-03	1.67E-03
1284	569712.2	4215048	2.53E-02	3.87E-03	1.74E-03
1285	569716.9	4215057	2.66E-02	4.06E-03	1.83E-03
1286	569721.5	4215065	2.79E-02	4.27E-03	1.93E-03
1287	569726.2	4215074	2.93E-02	4.48E-03	2.02E-03
1288	569730.9	4215082	3.09E-02	4.72E-03	2.13E-03
1289	569735.6	4215091	3.25E-02	4.97E-03	2.24E-03
1290	569740.2	4215099	3.42E-02	5.23E-03	2.36E-03
1291	569744.9	4215108	3.60E-02	5.50E-03	2.48E-03
1292	569749.6	4215116	3.79E-02	5.79E-03	2.61E-03
1293	569754.3	4215125	3.99E-02	6.09E-03	2.75E-03
1294	569787	4215184	6.56E-02	1.00E-02	4.52E-03
1295	569791.6	4215193	7.28E-02	1.11E-02	5.02E-03

1296	569796.3	4215201	7.79E-02	1.19E-02	5.37E-03
1297	569801	4215210	8.12E-02	1.24E-02	5.60E-03
1298	569805.7	4215218	8.41E-02	1.28E-02	5.79E-03
1299	569810.3	4215227	8.62E-02	1.32E-02	5.94E-03
1300	569678.9	4215001	2.00E-02	3.06E-03	1.38E-03
1301	569677.8	4214992	1.94E-02	2.97E-03	1.34E-03
1302	569676.7	4214983	1.89E-02	2.88E-03	1.30E-03
1303	569675.6	4214973	1.84E-02	2.80E-03	1.27E-03
1304	569674.5	4214964	1.79E-02	2.73E-03	1.23E-03
1305	569673.4	4214955	1.74E-02	2.66E-03	1.20E-03
1306	569672.3	4214945	1.69E-02	2.57E-03	1.16E-03
1307	569671.2	4214936	1.63E-02	2.49E-03	1.12E-03
1308	569670.1	4214927	1.57E-02	2.40E-03	1.08E-03
1309	569669	4214917	1.51E-02	2.30E-03	1.04E-03
1310	569667.9	4214908	1.45E-02	2.21E-03	9.98E-04
1311	569666.8	4214899	1.39E-02	2.12E-03	9.59E-04
1312	569665.7	4214889	1.33E-02	2.04E-03	9.19E-04
1313	569664.6	4214880	1.28E-02	1.95E-03	8.81E-04
1314	569663.5	4214871	1.23E-02	1.87E-03	8.45E-04
1315	569662.4	4214861	1.18E-02	1.80E-03	8.12E-04
1316	569661.3	4214852	1.13E-02	1.73E-03	7.81E-04
1317	569660.2	4214843	1.09E-02	1.67E-03	7.53E-04
1318	569659.1	4214833	1.06E-02	1.61E-03	7.28E-04
1319	569680	4215011	2.07E-02	3.16E-03	1.43E-03
1320	569684.7	4215019	2.15E-02	3.28E-03	1.48E-03
1321	569689.4	4215028	2.24E-02	3.42E-03	1.54E-03
1322	569694.1	4215036	2.34E-02	3.57E-03	1.61E-03
1323	569698.7	4215045	2.44E-02	3.72E-03	1.68E-03
1324	569703.4	4215053	2.55E-02	3.90E-03	1.76E-03
1325	569708.1	4215062	2.68E-02	4.09E-03	1.85E-03
1326	569712.8	4215070	2.81E-02	4.29E-03	1.94E-03
1327	569717.4	4215079	2.95E-02	4.50E-03	2.03E-03
1328	569722.1	4215087	3.10E-02	4.73E-03	2.14E-03
1329	569726.8	4215096	3.26E-02	4.98E-03	2.25E-03
1330	569731.5	4215104	3.43E-02	5.24E-03	2.36E-03
1331	569736.1	4215113	3.61E-02	5.52E-03	2.49E-03
1332	569740.8	4215121	3.81E-02	5.81E-03	2.62E-03
1333	569773.5	4215181	6.04E-02	9.22E-03	4.16E-03
1334	569778.2	4215189	6.55E-02	1.00E-02	4.51E-03
1335	569782.9	4215198	7.06E-02	1.08E-02	4.87E-03
1336	569787.6	4215206	7.40E-02	1.13E-02	5.10E-03
1337	569792.2	4215215	7.73E-02	1.18E-02	5.33E-03
1338	569796.9	4215223	8.02E-02	1.22E-02	5.52E-03
1339	569801.6	4215232	7.95E-02	1.21E-02	5.48E-03
1340	569670.2	4215006	2.03E-02	3.10E-03	1.40E-03
1341	569669.1	4214997	1.97E-02	3.01E-03	1.36E-03
1342	569668	4214988	1.92E-02	2.93E-03	1.32E-03
1343	569666.9	4214978	1.87E-02	2.85E-03	1.29E-03
1344	569665.8	4214969	1.82E-02	2.78E-03	1.25E-03
1345	569664.7	4214960	1.77E-02	2.71E-03	1.22E-03
1346	569663.6	4214951	1.72E-02	2.62E-03	1.18E-03
1347	569662.5	4214941	1.65E-02	2.52E-03	1.14E-03

1348	569661.4	4214932	1.59E-02	2.43E-03	1.10E-03
1349	569660.4	4214923	1.53E-02	2.34E-03	1.06E-03
1350	569659.3	4214914	1.47E-02	2.25E-03	1.02E-03
1351	569658.2	4214905	1.42E-02	2.17E-03	9.77E-04
1352	569657.1	4214895	1.36E-02	2.08E-03	9.41E-04
1353	569656	4214886	1.31E-02	2.00E-03	9.04E-04
1354	569654.9	4214877	1.26E-02	1.93E-03	8.70E-04
1355	569653.8	4214868	1.22E-02	1.86E-03	8.38E-04
1356	569652.7	4214858	1.17E-02	1.79E-03	8.09E-04
1357	569651.6	4214849	1.14E-02	1.73E-03	7.82E-04
1358	569650.5	4214840	1.10E-02	1.68E-03	7.58E-04
1359	569671.3	4215015	2.09E-02	3.19E-03	1.44E-03
1360	569676	4215024	2.17E-02	3.32E-03	1.50E-03
1361	569680.6	4215032	2.26E-02	3.45E-03	1.56E-03
1362	569685.3	4215041	2.35E-02	3.59E-03	1.62E-03
1363	569690	4215049	2.46E-02	3.75E-03	1.69E-03
1364	569694.7	4215058	2.57E-02	3.93E-03	1.77E-03
1365	569699.3	4215066	2.69E-02	4.11E-03	1.86E-03
1366	569704	4215075	2.82E-02	4.31E-03	1.94E-03
1367	569708.7	4215083	2.96E-02	4.52E-03	2.04E-03
1368	569713.4	4215092	3.11E-02	4.75E-03	2.14E-03
1369	569718	4215100	3.27E-02	4.99E-03	2.25E-03
1370	569722.7	4215109	3.44E-02	5.26E-03	2.37E-03
1371	569727.4	4215117	3.64E-02	5.55E-03	2.51E-03
1372	569764.8	4215185	6.10E-02	9.31E-03	4.20E-03
1373	569769.4	4215194	6.60E-02	1.01E-02	4.55E-03
1374	569774.1	4215202	6.88E-02	1.05E-02	4.74E-03
1375	569778.8	4215211	7.11E-02	1.09E-02	4.90E-03
1376	569783.5	4215219	7.39E-02	1.13E-02	5.10E-03
1377	569788.1	4215228	7.58E-02	1.16E-02	5.22E-03
1378	569792.8	4215236	7.31E-02	1.12E-02	5.04E-03
1379	569661.4	4215011	2.04E-02	3.12E-03	1.41E-03
1380	569660.2	4215001	1.98E-02	3.03E-03	1.37E-03
1381	569659.1	4214991	1.93E-02	2.95E-03	1.33E-03
1382	569658	4214982	1.88E-02	2.87E-03	1.30E-03
1383	569656.8	4214972	1.82E-02	2.78E-03	1.26E-03
1384	569655.7	4214963	1.76E-02	2.69E-03	1.22E-03
1385	569654.6	4214953	1.71E-02	2.60E-03	1.18E-03
1386	569653.4	4214943	1.64E-02	2.51E-03	1.13E-03
1387	569652.3	4214934	1.58E-02	2.42E-03	1.09E-03
1388	569651.2	4214924	1.53E-02	2.33E-03	1.05E-03
1389	569650	4214915	1.47E-02	2.24E-03	1.01E-03
1390	569648.9	4214905	1.41E-02	2.16E-03	9.73E-04
1391	569647.8	4214896	1.36E-02	2.08E-03	9.37E-04
1392	569646.6	4214886	1.31E-02	2.00E-03	9.02E-04
1393	569645.5	4214876	1.26E-02	1.93E-03	8.69E-04
1394	569644.4	4214867	1.22E-02	1.86E-03	8.39E-04
1395	569643.2	4214857	1.18E-02	1.80E-03	8.12E-04
1396	569662.5	4215020	2.11E-02	3.22E-03	1.46E-03
1397	569667.2	4215029	2.19E-02	3.35E-03	1.51E-03
1398	569671.9	4215037	2.28E-02	3.48E-03	1.57E-03
1399	569676.5	4215046	2.37E-02	3.61E-03	1.63E-03

1400	569681.2	4215054	2.47E-02	3.78E-03	1.70E-03
1401	569685.9	4215063	2.59E-02	3.95E-03	1.78E-03
1402	569690.6	4215071	2.70E-02	4.13E-03	1.86E-03
1403	569695.2	4215080	2.83E-02	4.33E-03	1.95E-03
1404	569699.9	4215088	2.98E-02	4.54E-03	2.05E-03
1405	569704.6	4215097	3.13E-02	4.77E-03	2.15E-03
1406	569709.3	4215105	3.28E-02	5.01E-03	2.26E-03
1407	569713.9	4215114	3.46E-02	5.28E-03	2.38E-03
1408	569718.6	4215122	3.66E-02	5.59E-03	2.52E-03
1409	569751.3	4215182	5.71E-02	8.72E-03	3.93E-03
1410	569756	4215190	6.14E-02	9.37E-03	4.23E-03
1411	569760.7	4215199	6.51E-02	9.94E-03	4.48E-03
1412	569765.4	4215207	6.66E-02	1.02E-02	4.59E-03
1413	569770	4215216	6.85E-02	1.05E-02	4.72E-03
1414	569774.7	4215224	7.08E-02	1.08E-02	4.88E-03
1415	569779.4	4215233	6.96E-02	1.06E-02	4.80E-03
1416	569784.1	4215241	6.69E-02	1.02E-02	4.61E-03
1417	569652.6	4215015	2.06E-02	3.14E-03	1.42E-03
1418	569651.5	4215006	2.00E-02	3.05E-03	1.38E-03
1419	569650.4	4214997	1.95E-02	2.97E-03	1.34E-03
1420	569649.3	4214987	1.90E-02	2.90E-03	1.31E-03
1421	569648.1	4214978	1.84E-02	2.80E-03	1.27E-03
1422	569647	4214968	1.77E-02	2.71E-03	1.22E-03
1423	569645.9	4214959	1.71E-02	2.62E-03	1.18E-03
1424	569644.8	4214949	1.65E-02	2.53E-03	1.14E-03
1425	569643.6	4214940	1.60E-02	2.44E-03	1.10E-03
1426	569642.5	4214930	1.54E-02	2.35E-03	1.06E-03
1427	569641.4	4214921	1.49E-02	2.27E-03	1.03E-03
1428	569640.3	4214911	1.43E-02	2.19E-03	9.88E-04
1429	569639.1	4214902	1.38E-02	2.11E-03	9.53E-04
1430	569638	4214892	1.34E-02	2.04E-03	9.20E-04
1431	569636.9	4214883	1.29E-02	1.97E-03	8.89E-04
1432	569635.8	4214873	1.25E-02	1.91E-03	8.60E-04
1433	569634.7	4214864	1.21E-02	1.85E-03	8.35E-04
1434	569653.8	4215025	2.13E-02	3.25E-03	1.47E-03
1435	569658.4	4215033	2.21E-02	3.37E-03	1.52E-03
1436	569663.1	4215042	2.29E-02	3.50E-03	1.58E-03
1437	569667.8	4215050	2.38E-02	3.64E-03	1.64E-03
1438	569672.5	4215059	2.48E-02	3.79E-03	1.71E-03
1439	569677.1	4215067	2.59E-02	3.96E-03	1.79E-03
1440	569681.8	4215076	2.71E-02	4.13E-03	1.86E-03
1441	569686.5	4215084	2.84E-02	4.34E-03	1.96E-03
1442	569691.2	4215093	2.99E-02	4.56E-03	2.06E-03
1443	569695.8	4215101	3.14E-02	4.80E-03	2.16E-03
1444	569700.5	4215110	3.30E-02	5.03E-03	2.27E-03
1445	569737.9	4215178	5.37E-02	8.20E-03	3.70E-03
1446	569742.6	4215187	5.75E-02	8.77E-03	3.96E-03
1447	569747.2	4215195	6.16E-02	9.41E-03	4.25E-03
1448	569751.9	4215204	6.29E-02	9.61E-03	4.34E-03
1449	569756.6	4215212	6.40E-02	9.77E-03	4.41E-03
1450	569761.3	4215221	6.55E-02	1.00E-02	4.51E-03
1451	569765.9	4215229	6.60E-02	1.01E-02	4.55E-03

1452	569770.6	4215238	6.37E-02	9.73E-03	4.39E-03
1453	569775.3	4215246	6.14E-02	9.37E-03	4.23E-03
1454	569643.9	4215020	2.07E-02	3.16E-03	1.43E-03
1455	569642.8	4215011	2.01E-02	3.07E-03	1.39E-03
1456	569641.7	4215002	1.96E-02	2.99E-03	1.35E-03
1457	569640.5	4214992	1.91E-02	2.91E-03	1.32E-03
1458	569639.4	4214983	1.86E-02	2.83E-03	1.28E-03
1459	569638.3	4214973	1.79E-02	2.73E-03	1.23E-03
1460	569637.2	4214964	1.73E-02	2.64E-03	1.19E-03
1461	569636.1	4214955	1.66E-02	2.54E-03	1.15E-03
1462	569635	4214945	1.61E-02	2.46E-03	1.11E-03
1463	569633.9	4214936	1.56E-02	2.37E-03	1.07E-03
1464	569632.7	4214926	1.51E-02	2.30E-03	1.04E-03
1465	569631.6	4214917	1.45E-02	2.22E-03	1.00E-03
1466	569630.5	4214908	1.41E-02	2.15E-03	9.69E-04
1467	569629.4	4214898	1.36E-02	2.08E-03	9.37E-04
1468	569628.3	4214889	1.32E-02	2.01E-03	9.09E-04
1469	569627.2	4214879	1.28E-02	1.95E-03	8.82E-04
1470	569626.1	4214870	1.24E-02	1.90E-03	8.57E-04
1471	569645	4215030	2.14E-02	3.27E-03	1.48E-03
1472	569649.7	4215038	2.22E-02	3.39E-03	1.53E-03
1473	569654.3	4215047	2.30E-02	3.51E-03	1.58E-03
1474	569659	4215055	2.39E-02	3.65E-03	1.65E-03
1475	569663.7	4215064	2.49E-02	3.80E-03	1.72E-03
1476	569668.4	4215072	2.59E-02	3.96E-03	1.79E-03
1477	569673	4215081	2.71E-02	4.14E-03	1.87E-03
1478	569677.7	4215089	2.84E-02	4.34E-03	1.96E-03
1479	569682.4	4215098	2.99E-02	4.56E-03	2.06E-03
1480	569687.1	4215106	3.14E-02	4.80E-03	2.17E-03
1481	569691.7	4215115	3.30E-02	5.04E-03	2.27E-03
1482	569724.5	4215174	5.08E-02	7.75E-03	3.50E-03
1483	569729.1	4215183	5.41E-02	8.25E-03	3.72E-03
1484	569733.8	4215191	5.76E-02	8.80E-03	3.97E-03
1485	569738.5	4215200	6.01E-02	9.18E-03	4.14E-03
1486	569743.2	4215208	6.08E-02	9.28E-03	4.19E-03
1487	569747.8	4215217	6.15E-02	9.40E-03	4.24E-03
1488	569752.5	4215225	6.23E-02	9.52E-03	4.30E-03
1489	569757.2	4215234	6.06E-02	9.26E-03	4.18E-03
1490	569761.9	4215242	5.87E-02	8.96E-03	4.04E-03
1491	569766.5	4215251	5.67E-02	8.66E-03	3.91E-03
1492	569635.1	4215025	2.09E-02	3.19E-03	1.44E-03
1493	569634	4215016	2.02E-02	3.09E-03	1.39E-03
1494	569632.9	4215007	1.97E-02	3.01E-03	1.36E-03
1495	569631.8	4214997	1.92E-02	2.93E-03	1.32E-03
1496	569630.7	4214988	1.87E-02	2.85E-03	1.29E-03
1497	569629.6	4214979	1.80E-02	2.75E-03	1.24E-03
1498	569628.5	4214969	1.74E-02	2.66E-03	1.20E-03
1499	569627.4	4214960	1.68E-02	2.56E-03	1.16E-03
1500	569626.3	4214951	1.62E-02	2.48E-03	1.12E-03
1501	569625.2	4214941	1.57E-02	2.40E-03	1.08E-03
1502	569624.1	4214932	1.52E-02	2.33E-03	1.05E-03
1503	569623	4214923	1.48E-02	2.25E-03	1.02E-03

1504	569621.9	4214913	1.43E-02	2.18E-03	9.85E-04
1505	569620.8	4214904	1.38E-02	2.11E-03	9.54E-04
1506	569619.7	4214895	1.34E-02	2.05E-03	9.26E-04
1507	569618.6	4214885	1.31E-02	2.00E-03	9.01E-04
1508	569636.2	4215035	2.15E-02	3.28E-03	1.48E-03
1509	569640.9	4215043	2.22E-02	3.39E-03	1.53E-03
1510	569645.6	4215052	2.31E-02	3.52E-03	1.59E-03
1511	569650.3	4215060	2.40E-02	3.66E-03	1.65E-03
1512	569654.9	4215069	2.49E-02	3.81E-03	1.72E-03
1513	569659.6	4215077	2.59E-02	3.96E-03	1.79E-03
1514	569664.3	4215086	2.71E-02	4.14E-03	1.87E-03
1515	569669	4215094	2.84E-02	4.34E-03	1.96E-03
1516	569673.6	4215103	2.98E-02	4.55E-03	2.05E-03
1517	569678.3	4215111	3.13E-02	4.77E-03	2.15E-03
1518	569683	4215120	3.28E-02	5.00E-03	2.26E-03
1519	569711	4215171	4.60E-02	7.02E-03	3.17E-03
1520	569715.7	4215179	4.97E-02	7.59E-03	3.43E-03
1521	569720.4	4215188	5.37E-02	8.20E-03	3.70E-03
1522	569725	4215196	5.76E-02	8.80E-03	3.97E-03
1523	569729.7	4215205	5.81E-02	8.87E-03	4.00E-03
1524	569734.4	4215213	5.86E-02	8.95E-03	4.04E-03
1525	569739.1	4215222	5.92E-02	9.04E-03	4.08E-03
1526	569743.7	4215230	5.84E-02	8.92E-03	4.02E-03
1527	569748.4	4215239	5.63E-02	8.59E-03	3.88E-03
1528	569753.1	4215247	5.43E-02	8.30E-03	3.75E-03
1529	569757.8	4215256	5.28E-02	8.06E-03	3.64E-03
1530	569626.3	4215030	2.09E-02	3.19E-03	1.44E-03
1531	569625.2	4215020	2.02E-02	3.09E-03	1.39E-03
1532	569624	4215011	1.96E-02	3.00E-03	1.35E-03
1533	569622.9	4215001	1.91E-02	2.91E-03	1.31E-03
1534	569621.8	4214991	1.85E-02	2.83E-03	1.28E-03
1535	569620.6	4214982	1.80E-02	2.74E-03	1.24E-03
1536	569619.5	4214972	1.73E-02	2.64E-03	1.19E-03
1537	569618.3	4214962	1.67E-02	2.55E-03	1.15E-03
1538	569617.2	4214953	1.61E-02	2.46E-03	1.11E-03
1539	569616.1	4214943	1.56E-02	2.39E-03	1.08E-03
1540	569614.9	4214933	1.52E-02	2.32E-03	1.05E-03
1541	569613.8	4214924	1.47E-02	2.25E-03	1.01E-03
1542	569612.6	4214914	1.43E-02	2.18E-03	9.82E-04
1543	569611.5	4214905	1.38E-02	2.11E-03	9.52E-04
1544	569610.4	4214895	1.34E-02	2.05E-03	9.25E-04
1545	569627.5	4215039	2.15E-02	3.28E-03	1.48E-03
1546	569632.1	4215048	2.23E-02	3.40E-03	1.53E-03
1547	569636.8	4215056	2.31E-02	3.53E-03	1.59E-03
1548	569641.5	4215065	2.40E-02	3.66E-03	1.65E-03
1549	569646.2	4215073	2.49E-02	3.80E-03	1.71E-03
1550	569650.8	4215082	2.59E-02	3.96E-03	1.79E-03
1551	569655.5	4215090	2.71E-02	4.14E-03	1.87E-03
1552	569660.2	4215099	2.84E-02	4.33E-03	1.95E-03
1553	569664.9	4215107	2.97E-02	4.54E-03	2.05E-03
1554	569669.5	4215116	3.11E-02	4.74E-03	2.14E-03
1555	569674.2	4215124	3.25E-02	4.96E-03	2.24E-03

1556	569688.2	4215150	3.75E-02	5.73E-03	2.59E-03
1557	569692.9	4215158	3.94E-02	6.02E-03	2.72E-03
1558	569697.6	4215167	4.17E-02	6.37E-03	2.88E-03
1559	569702.3	4215175	4.50E-02	6.87E-03	3.10E-03
1560	569706.9	4215184	4.86E-02	7.43E-03	3.35E-03
1561	569711.6	4215192	5.25E-02	8.02E-03	3.62E-03
1562	569716.3	4215201	5.50E-02	8.40E-03	3.79E-03
1563	569721	4215209	5.59E-02	8.54E-03	3.85E-03
1564	569725.6	4215218	5.64E-02	8.61E-03	3.89E-03
1565	569730.3	4215226	5.67E-02	8.67E-03	3.91E-03
1566	569735	4215235	5.44E-02	8.31E-03	3.75E-03
1567	569739.7	4215243	5.24E-02	8.01E-03	3.61E-03
1568	569744.3	4215252	5.07E-02	7.74E-03	3.49E-03
1569	569749	4215260	4.93E-02	7.53E-03	3.40E-03
1570	569984.8	4215238	2.71E-01	4.13E-02	1.87E-02
1571	569985.1	4215248	2.49E-01	3.80E-02	1.72E-02
1572	569985.4	4215257	2.27E-01	3.46E-02	1.56E-02
1573	569985.7	4215267	2.04E-01	3.11E-02	1.40E-02
1574	569986	4215277	1.83E-01	2.80E-02	1.26E-02
1575	569986.3	4215287	1.67E-01	2.54E-02	1.15E-02
1576	569986.7	4215296	1.63E-01	2.48E-02	1.12E-02
1577	569987	4215306	1.61E-01	2.45E-02	1.11E-02
1578	569987.3	4215316	1.60E-01	2.45E-02	1.11E-02
1579	569987.6	4215325	1.66E-01	2.53E-02	1.14E-02
1580	569987.9	4215335	1.73E-01	2.64E-02	1.19E-02
1581	569988.2	4215345	1.84E-01	2.81E-02	1.27E-02
1582	569988.6	4215354	1.83E-01	2.79E-02	1.26E-02
1583	569988.9	4215364	1.78E-01	2.72E-02	1.23E-02
1584	569989.2	4215374	1.78E-01	2.72E-02	1.23E-02
1585	569973.5	4215200	2.94E-01	4.49E-02	2.02E-02
1586	569973.8	4215209	2.83E-01	4.33E-02	1.95E-02
1587	569974.1	4215219	2.67E-01	4.08E-02	1.84E-02
1588	569974.5	4215229	2.50E-01	3.81E-02	1.72E-02
1589	569974.8	4215238	2.34E-01	3.57E-02	1.61E-02
1590	569975.1	4215248	2.17E-01	3.31E-02	1.49E-02
1591	569975.4	4215258	1.99E-01	3.04E-02	1.37E-02
1592	569975.7	4215267	1.81E-01	2.76E-02	1.25E-02
1593	569976	4215277	1.64E-01	2.51E-02	1.13E-02
1594	569976.4	4215287	1.52E-01	2.31E-02	1.04E-02
1595	569976.7	4215297	1.49E-01	2.28E-02	1.03E-02
1596	569977	4215306	1.48E-01	2.26E-02	1.02E-02
1597	569977.3	4215316	1.48E-01	2.26E-02	1.02E-02
1598	569977.6	4215326	1.54E-01	2.34E-02	1.06E-02
1599	569977.9	4215335	1.60E-01	2.45E-02	1.10E-02
1600	569978.2	4215345	1.72E-01	2.62E-02	1.18E-02
1601	569978.6	4215355	1.71E-01	2.61E-02	1.18E-02
1602	569978.9	4215364	1.69E-01	2.58E-02	1.16E-02
1603	569979.2	4215374	1.75E-01	2.68E-02	1.21E-02
1604	569962.6	4215171	2.68E-01	4.09E-02	1.85E-02
1605	569962.9	4215181	2.71E-01	4.13E-02	1.87E-02
1606	569963.2	4215190	2.67E-01	4.08E-02	1.84E-02
1607	569963.5	4215200	2.60E-01	3.97E-02	1.79E-02

1608	569963.8	4215210	2.47E-01	3.77E-02	1.70E-02
1609	569964.2	4215219	2.30E-01	3.52E-02	1.59E-02
1610	569964.5	4215229	2.14E-01	3.27E-02	1.48E-02
1611	569964.8	4215239	2.02E-01	3.09E-02	1.39E-02
1612	569965.1	4215248	1.90E-01	2.90E-02	1.31E-02
1613	569965.4	4215258	1.77E-01	2.70E-02	1.22E-02
1614	569965.7	4215268	1.62E-01	2.47E-02	1.11E-02
1615	569966	4215277	1.48E-01	2.27E-02	1.02E-02
1616	569966.4	4215287	1.38E-01	2.11E-02	9.54E-03
1617	569966.7	4215297	1.37E-01	2.09E-02	9.44E-03
1618	569967	4215307	1.36E-01	2.08E-02	9.40E-03
1619	569967.3	4215316	1.37E-01	2.09E-02	9.43E-03
1620	569967.6	4215326	1.43E-01	2.18E-02	9.83E-03
1621	569967.9	4215336	1.49E-01	2.28E-02	1.03E-02
1622	569968.2	4215345	1.57E-01	2.40E-02	1.08E-02
1623	569968.6	4215355	1.57E-01	2.40E-02	1.08E-02
1624	569968.9	4215365	1.61E-01	2.46E-02	1.11E-02
1625	569969.2	4215374	1.74E-01	2.66E-02	1.20E-02
1626	569952.3	4215162	2.34E-01	3.57E-02	1.61E-02
1627	569952.6	4215171	2.41E-01	3.68E-02	1.66E-02
1628	569952.9	4215181	2.43E-01	3.71E-02	1.67E-02
1629	569953.2	4215191	2.39E-01	3.65E-02	1.65E-02
1630	569953.5	4215200	2.33E-01	3.55E-02	1.60E-02
1631	569953.8	4215210	2.20E-01	3.35E-02	1.51E-02
1632	569954.2	4215220	2.03E-01	3.11E-02	1.40E-02
1633	569954.5	4215229	1.88E-01	2.88E-02	1.30E-02
1634	569954.8	4215239	1.78E-01	2.72E-02	1.23E-02
1635	569955.1	4215249	1.68E-01	2.56E-02	1.15E-02
1636	569955.4	4215258	1.57E-01	2.40E-02	1.08E-02
1637	569955.7	4215268	1.46E-01	2.23E-02	1.01E-02
1638	569956	4215278	1.36E-01	2.08E-02	9.40E-03
1639	569956.4	4215287	1.29E-01	1.97E-02	8.90E-03
1640	569956.7	4215297	1.28E-01	1.95E-02	8.81E-03
1641	569957	4215307	1.27E-01	1.94E-02	8.77E-03
1642	569957.3	4215317	1.28E-01	1.95E-02	8.79E-03
1643	569957.6	4215326	1.32E-01	2.02E-02	9.12E-03
1644	569957.9	4215336	1.38E-01	2.10E-02	9.49E-03
1645	569958.3	4215346	1.44E-01	2.20E-02	9.94E-03
1646	569958.6	4215355	1.46E-01	2.23E-02	1.00E-02
1647	569958.9	4215365	1.53E-01	2.33E-02	1.05E-02
1648	569959.2	4215375	1.72E-01	2.63E-02	1.19E-02
1649	569942.6	4215172	2.19E-01	3.34E-02	1.51E-02
1650	569942.9	4215181	2.20E-01	3.36E-02	1.52E-02
1651	569943.2	4215191	2.19E-01	3.35E-02	1.51E-02
1652	569943.5	4215201	2.10E-01	3.20E-02	1.44E-02
1653	569943.8	4215210	1.96E-01	3.00E-02	1.35E-02
1654	569944.2	4215220	1.81E-01	2.76E-02	1.25E-02
1655	569944.5	4215230	1.67E-01	2.55E-02	1.15E-02
1656	569944.8	4215239	1.58E-01	2.41E-02	1.09E-02
1657	569945.1	4215249	1.49E-01	2.27E-02	1.02E-02
1658	569945.4	4215259	1.40E-01	2.14E-02	9.66E-03
1659	569945.7	4215268	1.33E-01	2.03E-02	9.15E-03

1660	569946.1	4215278	1.26E-01	1.93E-02	8.71E-03
1661	569946.4	4215288	1.21E-01	1.85E-02	8.37E-03
1662	569946.7	4215297	1.20E-01	1.83E-02	8.27E-03
1663	569947	4215307	1.19E-01	1.82E-02	8.22E-03
1664	569947.3	4215317	1.19E-01	1.82E-02	8.22E-03
1665	569947.6	4215327	1.23E-01	1.88E-02	8.46E-03
1666	569947.9	4215336	1.27E-01	1.94E-02	8.74E-03
1667	569948.3	4215346	1.32E-01	2.01E-02	9.08E-03
1668	569948.6	4215356	1.35E-01	2.06E-02	9.30E-03
1669	569948.9	4215365	1.45E-01	2.21E-02	1.00E-02
1670	569949.2	4215375	1.72E-01	2.62E-02	1.18E-02
1671	569932.6	4215172	2.00E-01	3.06E-02	1.38E-02
1672	569932.9	4215182	2.01E-01	3.06E-02	1.38E-02
1673	569933.2	4215191	2.00E-01	3.05E-02	1.38E-02
1674	569933.5	4215201	1.90E-01	2.90E-02	1.31E-02
1675	569933.9	4215211	1.77E-01	2.70E-02	1.22E-02
1676	569934.2	4215220	1.61E-01	2.47E-02	1.11E-02
1677	569934.5	4215230	1.49E-01	2.27E-02	1.03E-02
1678	569934.8	4215240	1.41E-01	2.15E-02	9.69E-03
1679	569935.1	4215249	1.33E-01	2.03E-02	9.15E-03
1680	569935.4	4215259	1.26E-01	1.93E-02	8.69E-03
1681	569935.7	4215269	1.22E-01	1.86E-02	8.38E-03
1682	569936.1	4215278	1.18E-01	1.79E-02	8.10E-03
1683	569936.4	4215288	1.14E-01	1.75E-02	7.88E-03
1684	569936.7	4215298	1.13E-01	1.72E-02	7.78E-03
1685	569937	4215307	1.12E-01	1.71E-02	7.71E-03
1686	569937.3	4215317	1.12E-01	1.71E-02	7.70E-03
1687	569937.6	4215327	1.14E-01	1.74E-02	7.87E-03
1688	569937.9	4215336	1.17E-01	1.79E-02	8.09E-03
1689	569938.3	4215346	1.22E-01	1.86E-02	8.40E-03
1690	569938.6	4215356	1.27E-01	1.94E-02	8.75E-03
1691	569938.9	4215366	1.40E-01	2.14E-02	9.67E-03
1692	569939.2	4215375	1.73E-01	2.65E-02	1.19E-02
1693	569922.9	4215182	1.84E-01	2.81E-02	1.27E-02
1694	569923.2	4215192	1.85E-01	2.82E-02	1.27E-02
1695	569923.5	4215201	1.76E-01	2.69E-02	1.22E-02
1696	569923.9	4215211	1.64E-01	2.50E-02	1.13E-02
1697	569924.2	4215221	1.48E-01	2.27E-02	1.02E-02
1698	569924.5	4215230	1.36E-01	2.08E-02	9.39E-03
1699	569924.8	4215240	1.28E-01	1.96E-02	8.84E-03
1700	569925.1	4215250	1.21E-01	1.85E-02	8.33E-03
1701	569925.4	4215259	1.15E-01	1.76E-02	7.93E-03
1702	569925.7	4215269	1.12E-01	1.71E-02	7.70E-03
1703	569926.1	4215279	1.09E-01	1.66E-02	7.49E-03
1704	569926.4	4215288	1.06E-01	1.62E-02	7.33E-03
1705	569926.7	4215298	1.05E-01	1.60E-02	7.24E-03
1706	569927	4215308	1.04E-01	1.59E-02	7.17E-03
1707	569927.3	4215317	1.04E-01	1.59E-02	7.16E-03
1708	569927.6	4215327	1.06E-01	1.62E-02	7.33E-03
1709	569928	4215337	1.10E-01	1.67E-02	7.55E-03
1710	569928.3	4215346	1.15E-01	1.75E-02	7.89E-03
1711	569928.6	4215356	1.21E-01	1.85E-02	8.35E-03

1712	569928.9	4215366	1.37E-01	2.09E-02	9.42E-03
1713	569929.2	4215376	1.73E-01	2.64E-02	1.19E-02
1714	569912.9	4215182	1.70E-01	2.60E-02	1.17E-02
1715	569913.2	4215192	1.72E-01	2.62E-02	1.18E-02
1716	569913.5	4215202	1.64E-01	2.51E-02	1.13E-02
1717	569913.9	4215211	1.52E-01	2.32E-02	1.05E-02
1718	569914.2	4215221	1.37E-01	2.09E-02	9.45E-03
1719	569914.5	4215231	1.25E-01	1.92E-02	8.65E-03
1720	569914.8	4215240	1.18E-01	1.80E-02	8.12E-03
1721	569915.1	4215250	1.11E-01	1.69E-02	7.64E-03
1722	569915.4	4215260	1.06E-01	1.61E-02	7.27E-03
1723	569915.8	4215269	1.03E-01	1.57E-02	7.09E-03
1724	569916.1	4215279	1.00E-01	1.53E-02	6.92E-03
1725	569916.4	4215289	9.84E-02	1.50E-02	6.78E-03
1726	569916.7	4215298	9.69E-02	1.48E-02	6.68E-03
1727	569917	4215308	9.67E-02	1.48E-02	6.66E-03
1728	569917.3	4215318	9.66E-02	1.48E-02	6.66E-03
1729	569917.6	4215327	9.93E-02	1.52E-02	6.84E-03
1730	569918	4215337	1.03E-01	1.57E-02	7.10E-03
1731	569918.3	4215347	1.09E-01	1.66E-02	7.49E-03
1732	569918.6	4215356	1.15E-01	1.76E-02	7.96E-03
1733	569918.9	4215366	1.30E-01	1.99E-02	8.99E-03
1734	569919.2	4215376	1.62E-01	2.47E-02	1.12E-02
1735	569903.2	4215192	1.60E-01	2.44E-02	1.10E-02
1736	569903.6	4215202	1.54E-01	2.35E-02	1.06E-02
1737	569903.9	4215212	1.42E-01	2.16E-02	9.77E-03
1738	569904.2	4215221	1.27E-01	1.94E-02	8.75E-03
1739	569904.5	4215231	1.16E-01	1.77E-02	7.99E-03
1740	569904.8	4215241	1.09E-01	1.66E-02	7.49E-03
1741	569905.1	4215250	1.02E-01	1.56E-02	7.02E-03
1742	569905.4	4215260	9.75E-02	1.49E-02	6.72E-03
1743	569905.8	4215270	9.53E-02	1.45E-02	6.56E-03
1744	569906.1	4215279	9.33E-02	1.42E-02	6.43E-03
1745	569906.4	4215289	9.15E-02	1.40E-02	6.31E-03
1746	569906.7	4215299	9.01E-02	1.38E-02	6.21E-03
1747	569907	4215308	8.90E-02	1.36E-02	6.13E-03
1748	569907.3	4215318	8.88E-02	1.36E-02	6.12E-03
1749	569907.6	4215328	9.31E-02	1.42E-02	6.42E-03
1750	569908	4215337	9.71E-02	1.48E-02	6.69E-03
1751	569908.3	4215347	1.03E-01	1.57E-02	7.08E-03
1752	569908.6	4215357	1.09E-01	1.66E-02	7.51E-03
1753	569908.9	4215366	1.21E-01	1.85E-02	8.35E-03
1754	569909.2	4215376	1.42E-01	2.17E-02	9.81E-03
1755	569893.2	4215193	1.50E-01	2.29E-02	1.03E-02
1756	569893.6	4215202	1.46E-01	2.22E-02	1.00E-02
1757	569893.9	4215212	1.35E-01	2.06E-02	9.30E-03
1758	569894.2	4215222	1.21E-01	1.85E-02	8.36E-03
1759	569894.5	4215231	1.11E-01	1.69E-02	7.63E-03
1760	569894.8	4215241	1.03E-01	1.57E-02	7.10E-03
1761	569895.1	4215251	9.64E-02	1.47E-02	6.65E-03
1762	569895.4	4215260	9.18E-02	1.40E-02	6.33E-03
1763	569895.8	4215270	8.90E-02	1.36E-02	6.13E-03

1764	569896.1	4215280	8.65E-02	1.32E-02	5.96E-03
1765	569896.4	4215289	8.47E-02	1.29E-02	5.84E-03
1766	569896.7	4215299	8.37E-02	1.28E-02	5.77E-03
1767	569897	4215309	8.29E-02	1.27E-02	5.71E-03
1768	569897.3	4215318	8.29E-02	1.27E-02	5.72E-03
1769	569897.7	4215328	8.57E-02	1.31E-02	5.91E-03
1770	569898	4215338	9.12E-02	1.39E-02	6.28E-03
1771	569898.3	4215347	9.63E-02	1.47E-02	6.64E-03
1772	569898.6	4215357	1.02E-01	1.55E-02	6.99E-03
1773	569898.9	4215367	1.10E-01	1.68E-02	7.60E-03
1774	569883.6	4215203	1.38E-01	2.11E-02	9.51E-03
1775	569883.9	4215212	1.29E-01	1.96E-02	8.87E-03
1776	569884.2	4215222	1.16E-01	1.77E-02	8.01E-03
1777	569884.5	4215232	1.06E-01	1.62E-02	7.31E-03
1778	569884.8	4215241	9.84E-02	1.50E-02	6.78E-03
1779	569885.1	4215251	9.18E-02	1.40E-02	6.32E-03
1780	569885.5	4215261	8.69E-02	1.33E-02	5.99E-03
1781	569885.8	4215270	8.34E-02	1.27E-02	5.75E-03
1782	569886.1	4215280	8.04E-02	1.23E-02	5.54E-03
1783	569886.4	4215290	7.85E-02	1.20E-02	5.41E-03
1784	569886.7	4215299	7.80E-02	1.19E-02	5.38E-03
1785	569887	4215309	7.76E-02	1.18E-02	5.35E-03
1786	569887.3	4215319	7.78E-02	1.19E-02	5.36E-03
1787	569887.7	4215328	8.00E-02	1.22E-02	5.52E-03
1788	569888	4215338	8.34E-02	1.27E-02	5.75E-03
1789	569888.3	4215348	8.94E-02	1.36E-02	6.16E-03
1790	569888.6	4215357	9.35E-02	1.43E-02	6.44E-03
1791	569888.9	4215367	9.95E-02	1.52E-02	6.86E-03
1792	569873.6	4215203	1.31E-01	2.00E-02	9.02E-03
1793	569873.9	4215213	1.23E-01	1.87E-02	8.46E-03
1794	569874.2	4215222	1.11E-01	1.70E-02	7.68E-03
1795	569874.5	4215232	1.02E-01	1.55E-02	7.01E-03
1796	569874.8	4215242	9.40E-02	1.44E-02	6.48E-03
1797	569875.1	4215251	8.74E-02	1.33E-02	6.02E-03
1798	569875.5	4215261	8.23E-02	1.26E-02	5.67E-03
1799	569875.8	4215271	7.84E-02	1.20E-02	5.40E-03
1800	569876.1	4215280	7.51E-02	1.15E-02	5.17E-03
1801	569876.4	4215290	7.33E-02	1.12E-02	5.05E-03
1802	569876.7	4215300	7.30E-02	1.11E-02	5.03E-03
1803	569877	4215309	7.28E-02	1.11E-02	5.02E-03
1804	569877.3	4215319	7.32E-02	1.12E-02	5.04E-03
1805	569877.7	4215329	7.49E-02	1.14E-02	5.16E-03
1806	569878	4215338	7.75E-02	1.18E-02	5.34E-03
1807	569878.3	4215348	8.11E-02	1.24E-02	5.59E-03
1808	569878.6	4215358	8.46E-02	1.29E-02	5.83E-03
1809	569878.9	4215367	8.93E-02	1.36E-02	6.15E-03
1810	569863.9	4215213	1.17E-01	1.79E-02	8.08E-03
1811	569864.2	4215223	1.09E-01	1.66E-02	7.51E-03
1812	569864.5	4215232	1.00E-01	1.53E-02	6.92E-03
1813	569864.8	4215242	9.25E-02	1.41E-02	6.38E-03
1814	569865.1	4215252	8.53E-02	1.30E-02	5.88E-03
1815	569865.5	4215261	7.99E-02	1.22E-02	5.51E-03

1816	569865.8	4215271	7.58E-02	1.16E-02	5.23E-03
1817	569866.1	4215281	7.24E-02	1.11E-02	4.99E-03
1818	569866.4	4215290	7.04E-02	1.08E-02	4.85E-03
1819	569866.7	4215300	6.98E-02	1.07E-02	4.81E-03
1820	569867	4215310	6.92E-02	1.06E-02	4.77E-03
1821	569867.4	4215319	6.92E-02	1.06E-02	4.77E-03
1822	569867.7	4215329	7.02E-02	1.07E-02	4.84E-03
1823	569868	4215339	7.20E-02	1.10E-02	4.96E-03
1824	569868.3	4215348	7.45E-02	1.14E-02	5.13E-03
1825	569868.6	4215358	7.73E-02	1.18E-02	5.32E-03
1826	569868.9	4215368	8.06E-02	1.23E-02	5.55E-03
1827	569853.9	4215213	1.12E-01	1.71E-02	7.73E-03
1828	569854.2	4215223	1.07E-01	1.63E-02	7.34E-03
1829	569854.5	4215233	9.91E-02	1.51E-02	6.83E-03
1830	569854.8	4215242	9.12E-02	1.39E-02	6.28E-03
1831	569855.2	4215252	8.36E-02	1.28E-02	5.76E-03
1832	569855.5	4215262	7.82E-02	1.19E-02	5.39E-03
1833	569855.8	4215271	7.41E-02	1.13E-02	5.11E-03
1834	569856.1	4215281	7.07E-02	1.08E-02	4.87E-03
1835	569856.4	4215291	6.85E-02	1.05E-02	4.72E-03
1836	569856.7	4215300	6.72E-02	1.03E-02	4.63E-03
1837	569857	4215310	6.61E-02	1.01E-02	4.56E-03
1838	569857.4	4215320	6.55E-02	1.00E-02	4.51E-03
1839	569857.7	4215329	6.59E-02	1.01E-02	4.54E-03
1840	569858	4215339	6.68E-02	1.02E-02	4.60E-03
1841	569858.3	4215349	6.82E-02	1.04E-02	4.70E-03
1842	569858.6	4215358	7.02E-02	1.07E-02	4.84E-03
1843	569858.9	4215368	7.25E-02	1.11E-02	5.00E-03
1844	569844.2	4215223	1.04E-01	1.59E-02	7.17E-03
1845	569844.5	4215233	9.77E-02	1.49E-02	6.73E-03
1846	569844.8	4215243	8.98E-02	1.37E-02	6.19E-03
1847	569845.2	4215252	8.20E-02	1.25E-02	5.65E-03
1848	569845.5	4215262	7.65E-02	1.17E-02	5.27E-03
1849	569845.8	4215272	7.25E-02	1.11E-02	5.00E-03
1850	569846.1	4215281	6.91E-02	1.05E-02	4.76E-03
1851	569846.4	4215291	6.66E-02	1.02E-02	4.59E-03
1852	569846.7	4215301	6.48E-02	9.90E-03	4.47E-03
1853	569847.1	4215310	6.31E-02	9.64E-03	4.35E-03
1854	569847.4	4215320	6.21E-02	9.48E-03	4.28E-03
1855	569847.7	4215330	6.20E-02	9.46E-03	4.27E-03
1856	569848	4215339	6.21E-02	9.48E-03	4.28E-03
1857	569848.3	4215349	6.27E-02	9.58E-03	4.32E-03
1858	569848.6	4215359	6.41E-02	9.78E-03	4.41E-03
1859	569848.9	4215368	6.55E-02	1.00E-02	4.51E-03
1860	569834.2	4215224	9.85E-02	1.50E-02	6.79E-03
1861	569834.5	4215233	9.30E-02	1.42E-02	6.41E-03
1862	569834.9	4215243	8.60E-02	1.31E-02	5.93E-03
1863	569835.2	4215253	7.89E-02	1.21E-02	5.44E-03
1864	569835.5	4215262	7.40E-02	1.13E-02	5.10E-03
1865	569835.8	4215272	7.01E-02	1.07E-02	4.83E-03
1866	569836.1	4215282	6.69E-02	1.02E-02	4.61E-03
1867	569836.4	4215291	6.43E-02	9.83E-03	4.43E-03

1868	569836.7	4215301	6.23E-02	9.51E-03	4.29E-03
1869	569837.1	4215311	6.04E-02	9.22E-03	4.16E-03
1870	569837.4	4215320	5.91E-02	9.03E-03	4.08E-03
1871	569837.7	4215330	5.87E-02	8.96E-03	4.05E-03
1872	569838	4215340	5.84E-02	8.92E-03	4.02E-03
1873	569838.3	4215349	5.85E-02	8.93E-03	4.03E-03
1874	569838.6	4215359	5.92E-02	9.03E-03	4.08E-03
1875	569838.9	4215369	5.98E-02	9.13E-03	4.12E-03
1876	569824.5	4215234	8.84E-02	1.35E-02	6.09E-03
1877	569824.9	4215243	8.21E-02	1.25E-02	5.66E-03
1878	569825.2	4215253	7.58E-02	1.16E-02	5.23E-03
1879	569825.5	4215263	7.13E-02	1.09E-02	4.91E-03
1880	569825.8	4215272	6.77E-02	1.03E-02	4.66E-03
1881	569826.1	4215282	6.46E-02	9.86E-03	4.45E-03
1882	569826.4	4215292	6.20E-02	9.47E-03	4.27E-03
1883	569826.7	4215301	5.98E-02	9.14E-03	4.12E-03
1884	569827.1	4215311	5.78E-02	8.83E-03	3.98E-03
1885	569827.4	4215321	5.65E-02	8.63E-03	3.89E-03
1886	569827.7	4215330	5.59E-02	8.53E-03	3.85E-03
1887	569828	4215340	5.53E-02	8.45E-03	3.81E-03
1888	569828.3	4215350	5.51E-02	8.41E-03	3.79E-03
1889	569828.6	4215359	5.52E-02	8.43E-03	3.80E-03
1890	569829	4215369	5.52E-02	8.43E-03	3.81E-03
1891	569814.9	4215244	7.86E-02	1.20E-02	5.42E-03
1892	569815.2	4215253	7.29E-02	1.11E-02	5.02E-03
1893	569815.5	4215263	6.87E-02	1.05E-02	4.74E-03
1894	569815.8	4215273	6.53E-02	9.98E-03	4.50E-03
1895	569816.1	4215282	6.24E-02	9.52E-03	4.30E-03
1896	569816.4	4215292	5.98E-02	9.13E-03	4.12E-03
1897	569816.8	4215302	5.75E-02	8.78E-03	3.96E-03
1898	569817.1	4215311	5.53E-02	8.45E-03	3.81E-03
1899	569817.4	4215321	5.40E-02	8.24E-03	3.72E-03
1900	569817.7	4215331	5.32E-02	8.13E-03	3.67E-03
1901	569818	4215340	5.25E-02	8.01E-03	3.62E-03
1902	569818.3	4215350	5.19E-02	7.93E-03	3.58E-03
1903	569818.6	4215360	5.17E-02	7.89E-03	3.56E-03
1904	569819	4215369	5.12E-02	7.82E-03	3.53E-03
1905	569804.9	4215244	7.40E-02	1.13E-02	5.10E-03
1906	569805.2	4215254	6.87E-02	1.05E-02	4.73E-03
1907	569805.5	4215263	6.49E-02	9.91E-03	4.47E-03
1908	569805.8	4215273	6.18E-02	9.43E-03	4.26E-03
1909	569806.1	4215283	5.91E-02	9.02E-03	4.07E-03
1910	569806.4	4215292	5.68E-02	8.67E-03	3.91E-03
1911	569806.8	4215302	5.47E-02	8.35E-03	3.77E-03
1912	569807.1	4215312	5.27E-02	8.05E-03	3.63E-03
1913	569807.4	4215321	5.14E-02	7.85E-03	3.54E-03
1914	569807.7	4215331	5.06E-02	7.73E-03	3.49E-03
1915	569808	4215341	4.98E-02	7.60E-03	3.43E-03
1916	569808.3	4215350	4.91E-02	7.50E-03	3.38E-03
1917	569808.6	4215360	4.86E-02	7.42E-03	3.35E-03
1918	569809	4215370	4.80E-02	7.32E-03	3.30E-03
1919	569795.2	4215254	6.46E-02	9.86E-03	4.45E-03

1920	569795.5	4215264	6.10E-02	9.32E-03	4.21E-03
1921	569795.8	4215273	5.82E-02	8.89E-03	4.01E-03
1922	569796.1	4215283	5.57E-02	8.51E-03	3.84E-03
1923	569796.4	4215293	5.37E-02	8.20E-03	3.70E-03
1924	569796.8	4215302	5.19E-02	7.92E-03	3.58E-03
1925	569797.1	4215312	5.02E-02	7.66E-03	3.46E-03
1926	569797.4	4215322	4.90E-02	7.48E-03	3.38E-03
1927	569797.7	4215331	4.82E-02	7.36E-03	3.32E-03
1928	569798	4215341	4.73E-02	7.22E-03	3.26E-03
1929	569798.3	4215351	4.65E-02	7.11E-03	3.21E-03
1930	569798.7	4215360	4.60E-02	7.02E-03	3.17E-03
1931	569785.2	4215254	6.08E-02	9.28E-03	4.19E-03
1932	569785.5	4215264	5.76E-02	8.79E-03	3.97E-03
1933	569785.8	4215274	5.49E-02	8.39E-03	3.78E-03
1934	569786.1	4215283	5.26E-02	8.03E-03	3.63E-03
1935	569786.5	4215293	5.09E-02	7.77E-03	3.51E-03
1936	569786.8	4215303	4.93E-02	7.53E-03	3.40E-03
1937	569787.1	4215312	4.78E-02	7.30E-03	3.29E-03
1938	569787.4	4215322	4.67E-02	7.13E-03	3.22E-03
1939	569787.7	4215332	4.59E-02	7.01E-03	3.16E-03
1940	569788	4215341	4.49E-02	6.86E-03	3.10E-03
1941	569788.3	4215351	4.42E-02	6.75E-03	3.05E-03
1942	569788.7	4215361	4.36E-02	6.66E-03	3.00E-03
1943	569775.5	4215264	5.47E-02	8.35E-03	3.77E-03
1944	569775.8	4215274	5.22E-02	7.97E-03	3.59E-03
1945	569776.1	4215284	5.00E-02	7.63E-03	3.44E-03
1946	569776.5	4215293	4.83E-02	7.38E-03	3.33E-03
1947	569776.8	4215303	4.68E-02	7.15E-03	3.23E-03
1948	569777.1	4215313	4.54E-02	6.93E-03	3.13E-03
1949	569777.4	4215322	4.44E-02	6.77E-03	3.06E-03
1950	569777.7	4215332	4.35E-02	6.65E-03	3.00E-03
1951	569778	4215342	4.26E-02	6.50E-03	2.94E-03
1952	569778.3	4215351	4.18E-02	6.39E-03	2.88E-03
1953	569778.7	4215361	4.13E-02	6.30E-03	2.84E-03
1954	569765.5	4215265	5.20E-02	7.95E-03	3.59E-03
1955	569765.8	4215274	4.97E-02	7.58E-03	3.42E-03
1956	569766.1	4215284	4.76E-02	7.27E-03	3.28E-03
1957	569766.5	4215294	4.60E-02	7.02E-03	3.17E-03
1958	569766.8	4215303	4.45E-02	6.79E-03	3.07E-03
1959	569767.1	4215313	4.31E-02	6.58E-03	2.97E-03
1960	569767.4	4215323	4.21E-02	6.43E-03	2.90E-03
1961	569767.7	4215332	4.13E-02	6.30E-03	2.84E-03
1962	569768	4215342	4.03E-02	6.16E-03	2.78E-03
1963	569768.4	4215352	3.96E-02	6.05E-03	2.73E-03
1964	569768.7	4215361	3.90E-02	5.96E-03	2.69E-03
1965	569755.8	4215275	4.73E-02	7.23E-03	3.26E-03
1966	569756.2	4215284	4.54E-02	6.93E-03	3.13E-03
1967	569756.5	4215294	4.38E-02	6.69E-03	3.02E-03
1968	569756.8	4215304	4.23E-02	6.46E-03	2.92E-03
1969	569757.1	4215313	4.10E-02	6.26E-03	2.82E-03
1970	569757.4	4215323	4.01E-02	6.12E-03	2.76E-03
1971	569757.7	4215333	3.92E-02	5.99E-03	2.70E-03

1972	569758	4215342	3.83E-02	5.85E-03	2.64E-03
1973	569758.4	4215352	3.76E-02	5.74E-03	2.59E-03
1974	569758.7	4215362	3.70E-02	5.65E-03	2.55E-03
1975	569745.8	4215275	4.51E-02	6.89E-03	3.11E-03
1976	569746.2	4215285	4.33E-02	6.61E-03	2.98E-03
1977	569746.5	4215294	4.18E-02	6.39E-03	2.88E-03
1978	569746.8	4215304	4.05E-02	6.18E-03	2.79E-03
1979	569747.1	4215314	3.92E-02	5.99E-03	2.70E-03
1980	569747.4	4215323	3.84E-02	5.86E-03	2.64E-03
1981	569747.7	4215333	3.75E-02	5.73E-03	2.58E-03
1982	569748	4215343	3.66E-02	5.58E-03	2.52E-03
1983	569748.4	4215352	3.58E-02	5.47E-03	2.47E-03
1984	569735.2	4215256	4.75E-02	7.26E-03	3.28E-03
1985	569735.5	4215266	4.51E-02	6.89E-03	3.11E-03
1986	569735.8	4215275	4.31E-02	6.58E-03	2.97E-03
1987	569736.2	4215285	4.13E-02	6.31E-03	2.85E-03
1988	569736.5	4215295	4.01E-02	6.12E-03	2.76E-03
1989	569736.8	4215304	3.89E-02	5.93E-03	2.68E-03
1990	569737.1	4215314	3.77E-02	5.76E-03	2.60E-03
1991	569737.4	4215324	3.68E-02	5.63E-03	2.54E-03
1992	569737.7	4215333	3.60E-02	5.50E-03	2.48E-03
1993	569738.1	4215343	3.50E-02	5.35E-03	2.41E-03
1994	569738.4	4215353	3.43E-02	5.24E-03	2.37E-03
1995	569724.6	4215237	5.14E-02	7.85E-03	3.54E-03
1996	569724.9	4215247	4.82E-02	7.36E-03	3.32E-03
1997	569725.2	4215256	4.54E-02	6.94E-03	3.13E-03
1998	569725.5	4215266	4.31E-02	6.58E-03	2.97E-03
1999	569725.9	4215276	4.12E-02	6.29E-03	2.84E-03
2000	569726.2	4215285	3.95E-02	6.03E-03	2.72E-03
2001	569726.5	4215295	3.84E-02	5.86E-03	2.64E-03
2002	569726.8	4215305	3.73E-02	5.70E-03	2.57E-03
2003	569727.1	4215314	3.62E-02	5.53E-03	2.50E-03
2004	569727.4	4215324	3.54E-02	5.41E-03	2.44E-03
2005	569727.7	4215334	3.46E-02	5.28E-03	2.38E-03
2006	569728.1	4215343	3.36E-02	5.13E-03	2.32E-03
2007	569728.4	4215353	3.29E-02	5.03E-03	2.27E-03
2008	569728.7	4215363	3.24E-02	4.95E-03	2.23E-03
2009	569714	4215218	5.39E-02	8.22E-03	3.71E-03
2010	569714.3	4215228	5.31E-02	8.11E-03	3.66E-03
2011	569714.6	4215237	4.98E-02	7.61E-03	3.43E-03
2012	569714.9	4215247	4.68E-02	7.14E-03	3.22E-03
2013	569715.2	4215257	4.41E-02	6.74E-03	3.04E-03
2014	569715.5	4215266	4.18E-02	6.39E-03	2.88E-03
2015	569715.9	4215276	3.99E-02	6.09E-03	2.75E-03
2016	569716.2	4215286	3.82E-02	5.84E-03	2.63E-03
2017	569716.5	4215295	3.71E-02	5.66E-03	2.56E-03
2018	569716.8	4215305	3.60E-02	5.50E-03	2.48E-03
2019	569717.1	4215315	3.50E-02	5.34E-03	2.41E-03
2020	569717.4	4215324	3.41E-02	5.21E-03	2.35E-03
2021	569717.7	4215334	3.33E-02	5.08E-03	2.29E-03
2022	569718.1	4215344	3.23E-02	4.93E-03	2.23E-03
2023	569718.4	4215353	3.16E-02	4.83E-03	2.18E-03

2024	569718.7	4215363	3.11E-02	4.75E-03	2.15E-03
2025	569719	4215373	3.06E-02	4.68E-03	2.11E-03
2026	569719.3	4215382	3.04E-02	4.65E-03	2.10E-03
2027	569709.1	4215385	2.91E-02	4.45E-03	2.01E-03
2028	569699.1	4215385	2.79E-02	4.26E-03	1.92E-03
2029	569702.4	4215377	2.84E-02	4.34E-03	1.96E-03
2030	569705.6	4215368	2.93E-02	4.47E-03	2.02E-03
2031	569708.9	4215360	3.02E-02	4.60E-03	2.08E-03
2032	569689.3	4215385	2.69E-02	4.10E-03	1.85E-03
2033	569692.7	4215376	2.74E-02	4.18E-03	1.89E-03
2034	569696.1	4215367	2.83E-02	4.32E-03	1.95E-03
2035	569699.6	4215358	2.92E-02	4.46E-03	2.01E-03
2036	569703	4215349	3.01E-02	4.60E-03	2.08E-03
2037	569706.5	4215340	3.13E-02	4.78E-03	2.16E-03
2038	569679.2	4215386	2.59E-02	3.96E-03	1.79E-03
2039	569682.6	4215377	2.65E-02	4.05E-03	1.83E-03
2040	569686	4215368	2.73E-02	4.18E-03	1.88E-03
2041	569689.4	4215359	2.82E-02	4.30E-03	1.94E-03
2042	569692.8	4215350	2.90E-02	4.43E-03	2.00E-03
2043	569696.2	4215341	3.01E-02	4.59E-03	2.07E-03
2044	569699.6	4215332	3.13E-02	4.79E-03	2.16E-03
2045	569703	4215324	3.26E-02	4.97E-03	2.24E-03
2046	569706.4	4215315	3.38E-02	5.16E-03	2.33E-03
2047	569669.2	4215386	2.50E-02	3.82E-03	1.72E-03
2048	569672.6	4215377	2.57E-02	3.92E-03	1.77E-03
2049	569675.9	4215368	2.65E-02	4.05E-03	1.83E-03
2050	569679.3	4215360	2.74E-02	4.18E-03	1.88E-03
2051	569682.7	4215351	2.82E-02	4.30E-03	1.94E-03
2052	569686.1	4215342	2.91E-02	4.45E-03	2.01E-03
2053	569689.4	4215333	3.03E-02	4.62E-03	2.09E-03
2054	569692.8	4215325	3.14E-02	4.79E-03	2.16E-03
2055	569696.2	4215316	3.25E-02	4.97E-03	2.24E-03
2056	569699.5	4215307	3.39E-02	5.18E-03	2.34E-03
2057	569702.9	4215298	3.53E-02	5.39E-03	2.43E-03
2058	569706.3	4215290	3.67E-02	5.60E-03	2.53E-03
2059	569659.2	4215386	2.41E-02	3.68E-03	1.66E-03
2060	569662.5	4215378	2.48E-02	3.79E-03	1.71E-03
2061	569665.9	4215369	2.57E-02	3.93E-03	1.77E-03
2062	569669.2	4215360	2.66E-02	4.06E-03	1.83E-03
2063	569672.5	4215352	2.74E-02	4.18E-03	1.89E-03
2064	569675.9	4215343	2.83E-02	4.32E-03	1.95E-03
2065	569679.2	4215334	2.93E-02	4.48E-03	2.02E-03
2066	569682.6	4215326	3.04E-02	4.64E-03	2.10E-03
2067	569685.9	4215317	3.15E-02	4.81E-03	2.17E-03
2068	569689.2	4215308	3.28E-02	5.01E-03	2.26E-03
2069	569692.6	4215299	3.41E-02	5.21E-03	2.35E-03
2070	569695.9	4215291	3.55E-02	5.42E-03	2.45E-03
2071	569699.2	4215282	3.71E-02	5.66E-03	2.56E-03
2072	569702.6	4215273	3.90E-02	5.96E-03	2.69E-03
2073	569705.9	4215265	4.12E-02	6.29E-03	2.84E-03
2074	569649.2	4215387	2.31E-02	3.53E-03	1.60E-03
2075	569652.5	4215378	2.39E-02	3.65E-03	1.65E-03

2076	569655.8	4215369	2.48E-02	3.79E-03	1.71E-03
2077	569659.1	4215361	2.58E-02	3.93E-03	1.78E-03
2078	569662.4	4215352	2.66E-02	4.07E-03	1.83E-03
2079	569665.7	4215344	2.75E-02	4.20E-03	1.89E-03
2080	569669	4215335	2.85E-02	4.35E-03	1.96E-03
2081	569672.3	4215326	2.95E-02	4.50E-03	2.03E-03
2082	569675.7	4215318	3.05E-02	4.66E-03	2.10E-03
2083	569679	4215309	3.18E-02	4.85E-03	2.19E-03
2084	569682.3	4215301	3.32E-02	5.07E-03	2.29E-03
2085	569685.6	4215292	3.46E-02	5.28E-03	2.38E-03
2086	569688.9	4215283	3.61E-02	5.51E-03	2.48E-03
2087	569692.2	4215275	3.78E-02	5.78E-03	2.61E-03
2088	569695.5	4215266	3.99E-02	6.09E-03	2.75E-03
2089	569698.8	4215257	4.23E-02	6.45E-03	2.91E-03
2090	569702.2	4215249	4.48E-02	6.84E-03	3.09E-03
2091	569705.5	4215240	4.77E-02	7.28E-03	3.29E-03
2092	569639.3	4215387	2.23E-02	3.41E-03	1.54E-03
2093	569642.7	4215378	2.31E-02	3.53E-03	1.59E-03
2094	569646.2	4215369	2.41E-02	3.68E-03	1.66E-03
2095	569649.6	4215360	2.51E-02	3.83E-03	1.73E-03
2096	569653.1	4215351	2.60E-02	3.98E-03	1.79E-03
2097	569656.5	4215342	2.70E-02	4.12E-03	1.86E-03
2098	569660	4215333	2.81E-02	4.28E-03	1.93E-03
2099	569663.4	4215324	2.90E-02	4.43E-03	2.00E-03
2100	569666.9	4215315	3.01E-02	4.59E-03	2.07E-03
2101	569670.3	4215306	3.15E-02	4.81E-03	2.17E-03
2102	569673.7	4215297	3.30E-02	5.05E-03	2.28E-03
2103	569677.2	4215288	3.46E-02	5.29E-03	2.39E-03
2104	569680.6	4215279	3.63E-02	5.54E-03	2.50E-03
2105	569684.1	4215270	3.82E-02	5.83E-03	2.63E-03
2106	569687.5	4215261	4.03E-02	6.16E-03	2.78E-03
2107	569691	4215252	4.28E-02	6.53E-03	2.95E-03
2108	569694.4	4215243	4.55E-02	6.94E-03	3.13E-03
2109	569697.9	4215234	4.85E-02	7.40E-03	3.34E-03
2110	569701.3	4215225	5.15E-02	7.87E-03	3.55E-03
2111	569704.7	4215216	5.20E-02	7.94E-03	3.58E-03
2112	569629.3	4215387	2.15E-02	3.29E-03	1.48E-03
2113	569632.7	4215378	2.23E-02	3.41E-03	1.54E-03
2114	569636.1	4215369	2.33E-02	3.56E-03	1.61E-03
2115	569639.5	4215360	2.43E-02	3.71E-03	1.67E-03
2116	569642.9	4215352	2.53E-02	3.86E-03	1.74E-03
2117	569646.3	4215343	2.63E-02	4.01E-03	1.81E-03
2118	569649.8	4215334	2.73E-02	4.17E-03	1.88E-03
2119	569653.2	4215325	2.83E-02	4.33E-03	1.95E-03
2120	569656.6	4215316	2.93E-02	4.47E-03	2.02E-03
2121	569660	4215307	3.07E-02	4.69E-03	2.11E-03
2122	569663.4	4215298	3.22E-02	4.91E-03	2.22E-03
2123	569666.8	4215289	3.38E-02	5.17E-03	2.33E-03
2124	569670.2	4215280	3.55E-02	5.42E-03	2.44E-03
2125	569673.7	4215272	3.72E-02	5.68E-03	2.56E-03
2126	569677.1	4215263	3.92E-02	5.98E-03	2.70E-03
2127	569680.5	4215254	4.14E-02	6.32E-03	2.85E-03

2128	569683.9	4215245	4.36E-02	6.66E-03	3.01E-03
2129	569687.3	4215236	4.63E-02	7.07E-03	3.19E-03
2130	569690.7	4215227	4.94E-02	7.54E-03	3.40E-03
2131	569694.1	4215218	5.01E-02	7.64E-03	3.45E-03
2132	569697.6	4215209	5.03E-02	7.69E-03	3.47E-03
2133	569625.9	4215396	2.07E-02	3.16E-03	1.43E-03
2134	569619.3	4215387	2.08E-02	3.18E-03	1.43E-03
2135	569622.6	4215379	2.16E-02	3.30E-03	1.49E-03
2136	569626	4215370	2.25E-02	3.44E-03	1.55E-03
2137	569629.4	4215361	2.35E-02	3.59E-03	1.62E-03
2138	569632.8	4215352	2.45E-02	3.74E-03	1.69E-03
2139	569636.2	4215343	2.55E-02	3.90E-03	1.76E-03
2140	569639.6	4215335	2.66E-02	4.07E-03	1.84E-03
2141	569643	4215326	2.77E-02	4.23E-03	1.91E-03
2142	569646.3	4215317	2.87E-02	4.39E-03	1.98E-03
2143	569649.7	4215308	3.01E-02	4.59E-03	2.07E-03
2144	569653.1	4215299	3.16E-02	4.82E-03	2.17E-03
2145	569656.5	4215291	3.32E-02	5.06E-03	2.29E-03
2146	569659.9	4215282	3.48E-02	5.31E-03	2.40E-03
2147	569663.3	4215273	3.63E-02	5.55E-03	2.50E-03
2148	569666.7	4215264	3.81E-02	5.82E-03	2.63E-03
2149	569670.1	4215255	4.01E-02	6.13E-03	2.77E-03
2150	569673.4	4215246	4.20E-02	6.42E-03	2.90E-03
2151	569676.8	4215238	4.42E-02	6.75E-03	3.05E-03
2152	569680.2	4215229	4.68E-02	7.14E-03	3.22E-03
2153	569683.6	4215220	4.76E-02	7.27E-03	3.28E-03
2154	569687	4215211	4.78E-02	7.29E-03	3.29E-03
2155	569690.4	4215202	4.81E-02	7.34E-03	3.31E-03
2156	569615.9	4215396	2.00E-02	3.06E-03	1.38E-03
2157	569616.2	4215406	1.94E-02	2.96E-03	1.34E-03
2158	569616.5	4215416	1.89E-02	2.88E-03	1.30E-03
2159	569609.2	4215388	2.01E-02	3.08E-03	1.39E-03
2160	569612.6	4215379	2.09E-02	3.20E-03	1.44E-03
2161	569616	4215370	2.18E-02	3.33E-03	1.50E-03
2162	569619.3	4215362	2.28E-02	3.48E-03	1.57E-03
2163	569622.7	4215353	2.38E-02	3.63E-03	1.64E-03
2164	569626	4215344	2.48E-02	3.78E-03	1.71E-03
2165	569629.4	4215335	2.59E-02	3.96E-03	1.79E-03
2166	569632.8	4215327	2.71E-02	4.14E-03	1.87E-03
2167	569636.1	4215318	2.83E-02	4.31E-03	1.95E-03
2168	569639.5	4215309	2.96E-02	4.51E-03	2.04E-03
2169	569642.8	4215300	3.10E-02	4.73E-03	2.14E-03
2170	569646.2	4215292	3.26E-02	4.97E-03	2.24E-03
2171	569649.6	4215283	3.41E-02	5.21E-03	2.35E-03
2172	569652.9	4215274	3.56E-02	5.43E-03	2.45E-03
2173	569656.3	4215265	3.72E-02	5.68E-03	2.56E-03
2174	569659.7	4215257	3.90E-02	5.96E-03	2.69E-03
2175	569663	4215248	4.06E-02	6.20E-03	2.80E-03
2176	569666.4	4215239	4.24E-02	6.47E-03	2.92E-03
2177	569669.7	4215230	4.45E-02	6.79E-03	3.06E-03
2178	569673.1	4215222	4.54E-02	6.93E-03	3.13E-03
2179	569676.5	4215213	4.52E-02	6.90E-03	3.12E-03

2180	569679.8	4215204	4.52E-02	6.90E-03	3.11E-03
2181	569683.2	4215195	4.52E-02	6.90E-03	3.11E-03
2182	569695.1	4215183	4.53E-02	6.92E-03	3.12E-03
2183	569605.9	4215397	1.93E-02	2.95E-03	1.33E-03
2184	569606.2	4215406	1.87E-02	2.86E-03	1.29E-03
2185	569606.5	4215416	1.83E-02	2.79E-03	1.26E-03
2186	569606.8	4215426	1.78E-02	2.72E-03	1.23E-03
2187	569599.2	4215388	1.95E-02	2.98E-03	1.34E-03
2188	569602.6	4215379	2.03E-02	3.10E-03	1.40E-03
2189	569605.9	4215371	2.12E-02	3.23E-03	1.46E-03
2190	569609.2	4215362	2.21E-02	3.37E-03	1.52E-03
2191	569612.6	4215353	2.30E-02	3.52E-03	1.59E-03
2192	569615.9	4215345	2.40E-02	3.67E-03	1.66E-03
2193	569619.2	4215336	2.52E-02	3.85E-03	1.74E-03
2194	569622.6	4215327	2.64E-02	4.03E-03	1.82E-03
2195	569625.9	4215319	2.76E-02	4.22E-03	1.90E-03
2196	569629.3	4215310	2.90E-02	4.42E-03	2.00E-03
2197	569632.6	4215301	3.05E-02	4.65E-03	2.10E-03
2198	569635.9	4215293	3.20E-02	4.89E-03	2.21E-03
2199	569639.3	4215284	3.36E-02	5.13E-03	2.32E-03
2200	569642.6	4215275	3.49E-02	5.33E-03	2.41E-03
2201	569646	4215267	3.64E-02	5.55E-03	2.51E-03
2202	569649.3	4215258	3.80E-02	5.80E-03	2.62E-03
2203	569652.6	4215249	3.92E-02	5.98E-03	2.70E-03
2204	569656	4215241	4.05E-02	6.19E-03	2.79E-03
2205	569659.3	4215232	4.22E-02	6.44E-03	2.91E-03
2206	569662.6	4215223	4.34E-02	6.63E-03	2.99E-03
2207	569666	4215214	4.30E-02	6.56E-03	2.96E-03
2208	569669.3	4215206	4.26E-02	6.51E-03	2.94E-03
2209	569672.7	4215197	4.24E-02	6.48E-03	2.92E-03
2210	569676	4215188	4.18E-02	6.38E-03	2.88E-03
2211	569687.9	4215176	4.19E-02	6.39E-03	2.89E-03
2212	569595.9	4215397	1.87E-02	2.86E-03	1.29E-03
2213	569596.2	4215407	1.81E-02	2.77E-03	1.25E-03
2214	569596.5	4215416	1.77E-02	2.70E-03	1.22E-03
2215	569596.8	4215426	1.73E-02	2.64E-03	1.19E-03
2216	569597.1	4215435	1.68E-02	2.57E-03	1.16E-03
2217	569589.3	4215388	1.89E-02	2.89E-03	1.31E-03
2218	569592.8	4215379	1.97E-02	3.01E-03	1.36E-03
2219	569596.2	4215370	2.06E-02	3.15E-03	1.42E-03
2220	569599.7	4215361	2.16E-02	3.29E-03	1.49E-03
2221	569603.1	4215352	2.25E-02	3.44E-03	1.55E-03
2222	569606.6	4215343	2.36E-02	3.60E-03	1.63E-03
2223	569610	4215334	2.48E-02	3.79E-03	1.71E-03
2224	569613.5	4215325	2.61E-02	3.99E-03	1.80E-03
2225	569616.9	4215316	2.74E-02	4.19E-03	1.89E-03
2226	569620.4	4215307	2.89E-02	4.41E-03	1.99E-03
2227	569623.8	4215298	3.04E-02	4.64E-03	2.10E-03
2228	569627.3	4215289	3.21E-02	4.90E-03	2.21E-03
2229	569630.7	4215281	3.35E-02	5.12E-03	2.31E-03
2230	569634.2	4215272	3.50E-02	5.35E-03	2.41E-03
2231	569637.6	4215263	3.64E-02	5.56E-03	2.51E-03

2232	569641.1	4215254	3.77E-02	5.76E-03	2.60E-03
2233	569644.5	4215245	3.85E-02	5.89E-03	2.66E-03
2234	569648	4215236	3.96E-02	6.05E-03	2.73E-03
2235	569651.4	4215227	4.10E-02	6.26E-03	2.83E-03
2236	569654.9	4215218	4.10E-02	6.26E-03	2.83E-03
2237	569658.3	4215209	4.07E-02	6.21E-03	2.80E-03
2238	569661.8	4215200	4.02E-02	6.13E-03	2.77E-03
2239	569665.2	4215191	3.96E-02	6.05E-03	2.73E-03
2240	569668.7	4215182	3.91E-02	5.97E-03	2.69E-03
2241	569680.9	4215169	3.92E-02	5.98E-03	2.70E-03
2242	569585.9	4215397	1.82E-02	2.78E-03	1.25E-03
2243	569586.2	4215407	1.76E-02	2.69E-03	1.21E-03
2244	569586.5	4215416	1.72E-02	2.62E-03	1.18E-03
2245	569586.8	4215426	1.68E-02	2.56E-03	1.15E-03
2246	569587.1	4215436	1.63E-02	2.50E-03	1.13E-03
2247	569918.2	4215544	2.77E-02	4.23E-03	1.91E-03
2248	569927.5	4215543	2.82E-02	4.31E-03	1.94E-03
2249	569936.8	4215541	2.87E-02	4.39E-03	1.98E-03
2250	569946.1	4215539	2.93E-02	4.47E-03	2.02E-03
2251	569955.4	4215538	2.99E-02	4.57E-03	2.06E-03
2252	569964.8	4215536	3.06E-02	4.67E-03	2.11E-03
2253	569974.1	4215534	3.14E-02	4.79E-03	2.16E-03
2254	569983.4	4215533	3.23E-02	4.93E-03	2.22E-03
2255	569992.7	4215531	3.32E-02	5.07E-03	2.29E-03
2256	570002	4215529	3.42E-02	5.23E-03	2.36E-03
2257	570011.3	4215527	3.53E-02	5.39E-03	2.43E-03
2258	570020.6	4215526	3.63E-02	5.55E-03	2.50E-03
2259	569911.2	4215552	2.60E-02	3.96E-03	1.79E-03
2260	569902.5	4215550	2.64E-02	4.03E-03	1.82E-03
2261	569929.3	4215552	2.59E-02	3.96E-03	1.79E-03
2262	569938.6	4215551	2.63E-02	4.02E-03	1.81E-03
2263	569947.9	4215549	2.68E-02	4.09E-03	1.85E-03
2264	569957.2	4215547	2.73E-02	4.17E-03	1.88E-03
2265	569966.5	4215546	2.79E-02	4.26E-03	1.92E-03
2266	569975.8	4215544	2.85E-02	4.35E-03	1.96E-03
2267	569985.2	4215542	2.92E-02	4.46E-03	2.01E-03
2268	569994.5	4215541	3.00E-02	4.58E-03	2.07E-03
2269	570003.8	4215539	3.08E-02	4.70E-03	2.12E-03
2270	570013.1	4215537	3.16E-02	4.83E-03	2.18E-03
2271	570022.4	4215536	3.25E-02	4.96E-03	2.24E-03
2272	569913	4215562	2.39E-02	3.66E-03	1.65E-03
2273	569895.7	4215557	2.48E-02	3.78E-03	1.71E-03
2274	569878.3	4215553	2.56E-02	3.91E-03	1.76E-03
2275	569921.7	4215564	2.35E-02	3.59E-03	1.62E-03
2276	569931	4215562	2.39E-02	3.64E-03	1.64E-03
2277	569940.3	4215561	2.42E-02	3.70E-03	1.67E-03
2278	569949.7	4215559	2.46E-02	3.75E-03	1.69E-03
2279	569959	4215557	2.50E-02	3.82E-03	1.72E-03
2280	569968.3	4215556	2.55E-02	3.89E-03	1.76E-03
2281	569977.6	4215554	2.60E-02	3.97E-03	1.79E-03
2282	569986.9	4215552	2.66E-02	4.06E-03	1.83E-03
2283	569996.2	4215551	2.72E-02	4.15E-03	1.87E-03

2284	570005.6	4215549	2.78E-02	4.24E-03	1.92E-03
2285	570014.9	4215547	2.85E-02	4.35E-03	1.96E-03
2286	570024.2	4215546	2.91E-02	4.45E-03	2.01E-03
2287	570033.5	4215544	2.97E-02	4.54E-03	2.05E-03
2288	569914.8	4215572	2.21E-02	3.38E-03	1.52E-03
2289	569897.6	4215567	2.29E-02	3.50E-03	1.58E-03
2290	569880.3	4215563	2.37E-02	3.62E-03	1.63E-03
2291	569863	4215558	2.44E-02	3.73E-03	1.68E-03
2292	569923.5	4215574	2.17E-02	3.32E-03	1.50E-03
2293	569932.8	4215572	2.20E-02	3.36E-03	1.52E-03
2294	569942.1	4215570	2.23E-02	3.41E-03	1.54E-03
2295	569951.4	4215569	2.26E-02	3.46E-03	1.56E-03
2296	569960.7	4215567	2.30E-02	3.51E-03	1.58E-03
2297	569970.1	4215565	2.34E-02	3.57E-03	1.61E-03
2298	569979.4	4215564	2.38E-02	3.63E-03	1.64E-03
2299	569988.7	4215562	2.42E-02	3.70E-03	1.67E-03
2300	569998	4215560	2.47E-02	3.77E-03	1.70E-03
2301	570007.3	4215559	2.52E-02	3.85E-03	1.74E-03
2302	570016.6	4215557	2.58E-02	3.93E-03	1.78E-03
2303	570026	4215555	2.63E-02	4.02E-03	1.81E-03
2304	569916.7	4215581	2.05E-02	3.13E-03	1.41E-03
2305	569899.4	4215577	2.12E-02	3.24E-03	1.46E-03
2306	569882.2	4215573	2.20E-02	3.35E-03	1.51E-03
2307	569865	4215568	2.27E-02	3.46E-03	1.56E-03
2308	569847.8	4215564	2.33E-02	3.56E-03	1.61E-03
2309	569830.6	4215559	2.30E-02	3.51E-03	1.59E-03
2310	569934.6	4215582	2.04E-02	3.11E-03	1.40E-03
2311	569943.9	4215580	2.06E-02	3.15E-03	1.42E-03
2312	569953.2	4215579	2.09E-02	3.19E-03	1.44E-03
2313	569962.5	4215577	2.12E-02	3.24E-03	1.46E-03
2314	569971.8	4215575	2.15E-02	3.29E-03	1.48E-03
2315	569981.1	4215574	2.18E-02	3.33E-03	1.50E-03
2316	569990.5	4215572	2.22E-02	3.39E-03	1.53E-03
2317	569999.8	4215570	2.26E-02	3.45E-03	1.56E-03
2318	570009.1	4215569	2.30E-02	3.52E-03	1.59E-03
2319	570065	4215558	2.60E-02	3.96E-03	1.79E-03
2320	570074.3	4215557	2.67E-02	4.07E-03	1.84E-03
2321	570083.6	4215555	2.74E-02	4.19E-03	1.89E-03
2322	569917.9	4215591	1.90E-02	2.91E-03	1.31E-03
2323	569908.7	4215589	1.94E-02	2.96E-03	1.34E-03
2324	569899.6	4215586	1.98E-02	3.02E-03	1.36E-03
2325	569890.5	4215584	2.02E-02	3.08E-03	1.39E-03
2326	569881.3	4215582	2.05E-02	3.13E-03	1.41E-03
2327	569872.2	4215579	2.09E-02	3.19E-03	1.44E-03
2328	569863	4215577	2.12E-02	3.24E-03	1.46E-03
2329	569853.9	4215575	2.16E-02	3.29E-03	1.49E-03
2330	569844.8	4215572	2.19E-02	3.35E-03	1.51E-03
2331	569835.6	4215570	2.14E-02	3.27E-03	1.48E-03
2332	569826.5	4215568	2.16E-02	3.30E-03	1.49E-03
2333	569817.3	4215565	2.18E-02	3.34E-03	1.51E-03
2334	569808.2	4215563	2.20E-02	3.37E-03	1.52E-03
2335	569927	4215593	1.87E-02	2.85E-03	1.29E-03

2336	569936.3	4215592	1.89E-02	2.88E-03	1.30E-03
2337	569945.7	4215590	1.91E-02	2.92E-03	1.32E-03
2338	569955	4215588	1.94E-02	2.95E-03	1.33E-03
2339	569964.3	4215587	1.96E-02	2.99E-03	1.35E-03
2340	569973.6	4215585	1.99E-02	3.03E-03	1.37E-03
2341	569982.9	4215583	2.01E-02	3.07E-03	1.39E-03
2342	569992.2	4215582	2.04E-02	3.12E-03	1.41E-03
2343	570048.1	4215572	2.28E-02	3.48E-03	1.57E-03
2344	570057.4	4215570	2.32E-02	3.55E-03	1.60E-03
2345	570066.8	4215568	2.38E-02	3.64E-03	1.64E-03
2346	570076.1	4215567	2.45E-02	3.74E-03	1.69E-03
2347	570085.4	4215565	2.52E-02	3.84E-03	1.73E-03
2348	569919.7	4215601	1.77E-02	2.71E-03	1.22E-03
2349	569910.6	4215599	1.81E-02	2.76E-03	1.24E-03
2350	569901.6	4215596	1.84E-02	2.81E-03	1.27E-03
2351	569892.5	4215594	1.88E-02	2.86E-03	1.29E-03
2352	569883.4	4215592	1.91E-02	2.92E-03	1.32E-03
2353	569874.4	4215589	1.94E-02	2.97E-03	1.34E-03
2354	569865.3	4215587	1.98E-02	3.02E-03	1.36E-03
2355	569856.2	4215585	2.01E-02	3.07E-03	1.39E-03
2356	569847.1	4215582	2.04E-02	3.12E-03	1.41E-03
2357	569838.1	4215580	2.07E-02	3.17E-03	1.43E-03
2358	569829	4215578	2.02E-02	3.09E-03	1.39E-03
2359	569819.9	4215575	2.04E-02	3.12E-03	1.41E-03
2360	569810.8	4215573	2.06E-02	3.15E-03	1.42E-03
2361	569801.8	4215571	2.08E-02	3.17E-03	1.43E-03
2362	569792.7	4215568	2.10E-02	3.20E-03	1.45E-03
2363	569928.8	4215603	1.74E-02	2.66E-03	1.20E-03
2364	569938.1	4215602	1.76E-02	2.68E-03	1.21E-03
2365	569947.4	4215600	1.78E-02	2.71E-03	1.22E-03
2366	569956.7	4215598	1.80E-02	2.75E-03	1.24E-03
2367	569966.1	4215597	1.82E-02	2.78E-03	1.25E-03
2368	569975.4	4215595	1.84E-02	2.81E-03	1.27E-03
2369	570031.3	4215585	2.02E-02	3.08E-03	1.39E-03
2370	570040.6	4215583	2.06E-02	3.14E-03	1.42E-03
2371	570049.9	4215582	2.10E-02	3.21E-03	1.45E-03
2372	570059.2	4215580	2.15E-02	3.28E-03	1.48E-03
2373	570068.5	4215578	2.20E-02	3.36E-03	1.52E-03
2374	570077.8	4215576	2.26E-02	3.45E-03	1.56E-03
2375	570087.2	4215575	2.32E-02	3.54E-03	1.60E-03
2376	569921.6	4215611	1.66E-02	2.53E-03	1.14E-03
2377	569912.5	4215609	1.69E-02	2.57E-03	1.16E-03
2378	569903.5	4215606	1.72E-02	2.62E-03	1.18E-03
2379	569894.5	4215604	1.75E-02	2.67E-03	1.20E-03
2380	569885.5	4215602	1.78E-02	2.72E-03	1.23E-03
2381	569876.5	4215599	1.81E-02	2.77E-03	1.25E-03
2382	569867.5	4215597	1.84E-02	2.82E-03	1.27E-03
2383	569858.5	4215595	1.88E-02	2.86E-03	1.29E-03
2384	569849.4	4215592	1.91E-02	2.91E-03	1.31E-03
2385	569840.4	4215590	1.94E-02	2.96E-03	1.33E-03
2386	569831.4	4215588	1.97E-02	3.00E-03	1.35E-03
2387	569822.4	4215585	1.91E-02	2.92E-03	1.32E-03

2388	569813.4	4215583	1.93E-02	2.94E-03	1.33E-03
2389	569804.4	4215581	1.95E-02	2.97E-03	1.34E-03
2390	569795.4	4215578	1.97E-02	3.00E-03	1.35E-03
2391	569786.3	4215576	1.98E-02	3.03E-03	1.37E-03
2392	569930.6	4215613	1.62E-02	2.48E-03	1.12E-03
2393	569939.9	4215611	1.64E-02	2.51E-03	1.13E-03
2394	569949.2	4215610	1.66E-02	2.53E-03	1.14E-03
2395	570005.1	4215600	1.78E-02	2.72E-03	1.23E-03
2396	570014.4	4215598	1.81E-02	2.76E-03	1.25E-03
2397	570023.7	4215596	1.84E-02	2.81E-03	1.27E-03
2398	570033	4215595	1.87E-02	2.86E-03	1.29E-03
2399	570042.3	4215593	1.91E-02	2.92E-03	1.32E-03
2400	570051.7	4215591	1.95E-02	2.98E-03	1.34E-03
2401	570061	4215590	1.99E-02	3.04E-03	1.37E-03
2402	570070.3	4215588	2.04E-02	3.11E-03	1.41E-03
2403	570079.6	4215586	2.09E-02	3.19E-03	1.44E-03
2404	570088.9	4215585	2.15E-02	3.28E-03	1.48E-03
2405	569923.4	4215621	1.55E-02	2.37E-03	1.07E-03
2406	569914.4	4215618	1.58E-02	2.41E-03	1.09E-03
2407	569905.5	4215616	1.61E-02	2.45E-03	1.11E-03
2408	569896.5	4215614	1.63E-02	2.50E-03	1.13E-03
2409	569887.5	4215611	1.66E-02	2.54E-03	1.15E-03
2410	569878.6	4215609	1.69E-02	2.59E-03	1.17E-03
2411	569869.6	4215607	1.72E-02	2.63E-03	1.19E-03
2412	569860.6	4215605	1.75E-02	2.68E-03	1.21E-03
2413	569851.7	4215602	1.78E-02	2.72E-03	1.23E-03
2414	569842.7	4215600	1.81E-02	2.76E-03	1.25E-03
2415	569833.8	4215598	1.84E-02	2.81E-03	1.27E-03
2416	569824.8	4215595	1.87E-02	2.85E-03	1.29E-03
2417	569815.8	4215593	1.81E-02	2.77E-03	1.25E-03
2418	569806.9	4215591	1.83E-02	2.79E-03	1.26E-03
2419	569797.9	4215588	1.85E-02	2.82E-03	1.27E-03
2420	569789	4215586	1.86E-02	2.85E-03	1.28E-03
2421	569932.3	4215623	1.52E-02	2.33E-03	1.05E-03
2422	569988.2	4215613	1.62E-02	2.48E-03	1.12E-03
2423	569997.5	4215611	1.64E-02	2.51E-03	1.13E-03
2424	570006.9	4215610	1.66E-02	2.54E-03	1.15E-03
2425	570016.2	4215608	1.69E-02	2.57E-03	1.16E-03
2426	570025.5	4215606	1.71E-02	2.61E-03	1.18E-03
2427	570034.8	4215605	1.74E-02	2.66E-03	1.20E-03
2428	570044.1	4215603	1.78E-02	2.72E-03	1.23E-03
2429	570053.4	4215601	1.82E-02	2.78E-03	1.25E-03
2430	570062.7	4215600	1.86E-02	2.84E-03	1.28E-03
2431	570072.1	4215598	1.90E-02	2.91E-03	1.31E-03
2432	570081.4	4215596	1.95E-02	2.98E-03	1.34E-03
2433	570090.7	4215595	2.00E-02	3.06E-03	1.38E-03
2434	569925.2	4215631	1.46E-02	2.22E-03	1.00E-03
2435	569916.3	4215628	1.48E-02	2.26E-03	1.02E-03
2436	569907.4	4215626	1.51E-02	2.30E-03	1.04E-03
2437	569898.5	4215624	1.53E-02	2.34E-03	1.06E-03
2438	569889.5	4215621	1.56E-02	2.38E-03	1.07E-03
2439	569880.6	4215619	1.58E-02	2.42E-03	1.09E-03

2440	569871.7	4215617	1.61E-02	2.46E-03	1.11E-03
2441	569862.8	4215615	1.64E-02	2.51E-03	1.13E-03
2442	569853.9	4215612	1.67E-02	2.55E-03	1.15E-03
2443	569845	4215610	1.70E-02	2.59E-03	1.17E-03
2444	569836.1	4215608	1.72E-02	2.63E-03	1.19E-03
2445	569827.1	4215605	1.75E-02	2.67E-03	1.21E-03
2446	569818.2	4215603	1.71E-02	2.61E-03	1.18E-03
2447	569809.3	4215601	1.72E-02	2.63E-03	1.19E-03
2448	569800.4	4215598	1.74E-02	2.65E-03	1.20E-03
2449	569791.5	4215596	1.75E-02	2.68E-03	1.21E-03
2450	569971.4	4215626	1.49E-02	2.27E-03	1.02E-03
2451	569980.7	4215624	1.50E-02	2.29E-03	1.04E-03
2452	569990	4215623	1.52E-02	2.32E-03	1.05E-03
2453	569999.3	4215621	1.54E-02	2.35E-03	1.06E-03
2454	570008.6	4215619	1.56E-02	2.38E-03	1.07E-03
2455	570017.9	4215618	1.58E-02	2.41E-03	1.09E-03
2456	570027.3	4215616	1.60E-02	2.44E-03	1.10E-03
2457	570036.6	4215614	1.63E-02	2.49E-03	1.12E-03
2458	570045.9	4215613	1.67E-02	2.55E-03	1.15E-03
2459	570055.2	4215611	1.70E-02	2.60E-03	1.17E-03
2460	570064.5	4215609	1.74E-02	2.66E-03	1.20E-03
2461	570073.8	4215608	1.78E-02	2.72E-03	1.23E-03
2462	570083.2	4215606	1.83E-02	2.79E-03	1.26E-03
2463	570092.5	4215604	1.88E-02	2.87E-03	1.29E-03
2464	569909.3	4215636	1.42E-02	2.16E-03	9.77E-04
2465	569900.4	4215634	1.44E-02	2.20E-03	9.93E-04
2466	569891.5	4215631	1.47E-02	2.24E-03	1.01E-03
2467	569882.6	4215629	1.49E-02	2.27E-03	1.03E-03
2468	569873.8	4215627	1.51E-02	2.31E-03	1.04E-03
2469	569864.9	4215624	1.54E-02	2.35E-03	1.06E-03
2470	569856	4215622	1.57E-02	2.39E-03	1.08E-03
2471	569847.2	4215620	1.59E-02	2.43E-03	1.10E-03
2472	569838.3	4215618	1.62E-02	2.47E-03	1.11E-03
2473	569829.4	4215615	1.64E-02	2.51E-03	1.13E-03
2474	569820.5	4215613	1.67E-02	2.54E-03	1.15E-03
2475	569811.7	4215611	1.62E-02	2.48E-03	1.12E-03
2476	569802.8	4215608	1.64E-02	2.50E-03	1.13E-03
2477	569945.2	4215641	1.36E-02	2.08E-03	9.38E-04
2478	569954.5	4215639	1.37E-02	2.09E-03	9.45E-04
2479	569963.8	4215638	1.38E-02	2.11E-03	9.53E-04
2480	569973.1	4215636	1.40E-02	2.13E-03	9.62E-04
2481	569982.5	4215634	1.41E-02	2.16E-03	9.73E-04
2482	569991.8	4215633	1.43E-02	2.18E-03	9.84E-04
2483	570001.1	4215631	1.45E-02	2.21E-03	9.96E-04
2484	570010.4	4215629	1.46E-02	2.24E-03	1.01E-03
2485	570019.7	4215628	1.48E-02	2.27E-03	1.02E-03
2486	570029	4215626	1.51E-02	2.30E-03	1.04E-03
2487	570038.3	4215624	1.54E-02	2.35E-03	1.06E-03
2488	570047.7	4215623	1.57E-02	2.39E-03	1.08E-03
2489	570057	4215621	1.60E-02	2.44E-03	1.10E-03
2490	570066.3	4215619	1.64E-02	2.50E-03	1.13E-03
2491	570075.6	4215618	1.67E-02	2.56E-03	1.15E-03

2492	570084.9	4215616	1.72E-02	2.62E-03	1.18E-03
2493	570094.2	4215614	1.76E-02	2.69E-03	1.22E-03
2494	569902.3	4215643	1.36E-02	2.07E-03	9.36E-04
2495	569893.5	4215641	1.38E-02	2.11E-03	9.51E-04
2496	569884.6	4215639	1.40E-02	2.14E-03	9.66E-04
2497	569875.8	4215637	1.42E-02	2.18E-03	9.82E-04
2498	569867	4215634	1.45E-02	2.21E-03	9.98E-04
2499	569858.1	4215632	1.47E-02	2.25E-03	1.01E-03
2500	569849.3	4215630	1.49E-02	2.28E-03	1.03E-03
2501	569840.5	4215628	1.52E-02	2.32E-03	1.05E-03
2502	569831.6	4215625	1.54E-02	2.35E-03	1.06E-03
2503	569822.8	4215623	1.57E-02	2.39E-03	1.08E-03
2504	569814	4215621	1.59E-02	2.43E-03	1.09E-03
2505	569937.6	4215653	1.28E-02	1.95E-03	8.79E-04
2506	569947	4215651	1.28E-02	1.96E-03	8.85E-04
2507	569956.3	4215649	1.29E-02	1.98E-03	8.91E-04
2508	569965.6	4215647	1.30E-02	1.99E-03	8.98E-04
2509	569974.9	4215646	1.32E-02	2.01E-03	9.07E-04
2510	569984.2	4215644	1.33E-02	2.03E-03	9.16E-04
2511	569993.5	4215642	1.35E-02	2.05E-03	9.27E-04
2512	570002.9	4215641	1.36E-02	2.08E-03	9.39E-04
2513	570012.2	4215639	1.38E-02	2.11E-03	9.52E-04
2514	570021.5	4215637	1.40E-02	2.14E-03	9.66E-04
2515	570030.8	4215636	1.42E-02	2.18E-03	9.82E-04
2516	570040.1	4215634	1.45E-02	2.21E-03	9.99E-04
2517	570049.4	4215632	1.48E-02	2.26E-03	1.02E-03
2518	570058.7	4215631	1.51E-02	2.30E-03	1.04E-03
2519	570068.1	4215629	1.54E-02	2.35E-03	1.06E-03
2520	570077.4	4215627	1.58E-02	2.41E-03	1.09E-03
2521	570086.7	4215626	1.62E-02	2.47E-03	1.11E-03
2522	570096	4215624	1.66E-02	2.54E-03	1.14E-03
2523	569930.6	4215660	1.23E-02	1.87E-03	8.44E-04
2524	569921.8	4215658	1.24E-02	1.90E-03	8.57E-04
2525	569895.4	4215651	1.30E-02	1.99E-03	8.97E-04
2526	569886.6	4215649	1.32E-02	2.02E-03	9.11E-04
2527	569877.8	4215647	1.34E-02	2.05E-03	9.25E-04
2528	569869	4215644	1.36E-02	2.08E-03	9.40E-04
2529	569860.2	4215642	1.39E-02	2.12E-03	9.55E-04
2530	569851.4	4215640	1.41E-02	2.15E-03	9.70E-04
2531	569842.6	4215637	1.43E-02	2.18E-03	9.85E-04
2532	569833.8	4215635	1.45E-02	2.22E-03	1.00E-03
2533	569816.2	4215631	1.49E-02	2.28E-03	1.03E-03
2534	569939.4	4215662	1.21E-02	1.84E-03	8.32E-04
2535	569948.7	4215661	1.22E-02	1.86E-03	8.37E-04
2536	569958	4215659	1.22E-02	1.87E-03	8.43E-04
2537	569967.4	4215657	1.23E-02	1.88E-03	8.50E-04
2538	569976.7	4215656	1.24E-02	1.90E-03	8.58E-04
2539	569986	4215654	1.26E-02	1.92E-03	8.67E-04
2540	569995.3	4215652	1.27E-02	1.94E-03	8.76E-04
2541	570004.6	4215651	1.29E-02	1.97E-03	8.88E-04
2542	570013.9	4215649	1.31E-02	2.00E-03	9.01E-04
2543	570023.3	4215647	1.33E-02	2.03E-03	9.15E-04

2544	570032.6	4215646	1.35E-02	2.06E-03	9.30E-04
2545	570041.9	4215644	1.37E-02	2.10E-03	9.46E-04
2546	570051.2	4215642	1.40E-02	2.13E-03	9.63E-04
2547	570060.5	4215641	1.43E-02	2.18E-03	9.83E-04
2548	570069.8	4215639	1.46E-02	2.22E-03	1.00E-03
2549	570079.1	4215637	1.49E-02	2.27E-03	1.03E-03
2550	570088.5	4215636	1.53E-02	2.33E-03	1.05E-03
2551	570097.8	4215634	1.57E-02	2.39E-03	1.08E-03
2552	569932	4215670	1.16E-02	1.77E-03	8.00E-04
2553	569922.9	4215667	1.18E-02	1.80E-03	8.12E-04
2554	569913.7	4215665	1.20E-02	1.83E-03	8.25E-04
2555	569877	4215656	1.27E-02	1.95E-03	8.78E-04
2556	569867.9	4215653	1.29E-02	1.98E-03	8.92E-04
2557	569858.7	4215651	1.32E-02	2.01E-03	9.07E-04
2558	569849.5	4215649	1.34E-02	2.04E-03	9.21E-04
2559	569840.4	4215646	1.36E-02	2.07E-03	9.36E-04
2560	569831.2	4215644	1.38E-02	2.11E-03	9.51E-04
2561	569941.2	4215672	1.14E-02	1.75E-03	7.89E-04
2562	569950.5	4215671	1.15E-02	1.76E-03	7.94E-04
2563	569959.8	4215669	1.16E-02	1.77E-03	8.00E-04
2564	569969.1	4215667	1.17E-02	1.79E-03	8.06E-04
2565	569978.4	4215665	1.18E-02	1.80E-03	8.13E-04
2566	569987.8	4215664	1.19E-02	1.82E-03	8.21E-04
2567	569997.1	4215662	1.21E-02	1.84E-03	8.30E-04
2568	570006.4	4215660	1.22E-02	1.86E-03	8.41E-04
2569	570015.7	4215659	1.24E-02	1.89E-03	8.52E-04
2570	570025	4215657	1.26E-02	1.92E-03	8.66E-04
2571	570034.3	4215655	1.28E-02	1.95E-03	8.80E-04
2572	570043.7	4215654	1.30E-02	1.98E-03	8.95E-04
2573	570053	4215652	1.32E-02	2.02E-03	9.12E-04
2574	570062.3	4215650	1.35E-02	2.06E-03	9.30E-04
2575	570071.6	4215649	1.38E-02	2.10E-03	9.50E-04
2576	570080.9	4215647	1.41E-02	2.15E-03	9.71E-04
2577	570090.2	4215645	1.44E-02	2.20E-03	9.94E-04
2578	570099.5	4215644	1.48E-02	2.26E-03	1.02E-03
2579	569933.8	4215680	1.10E-02	1.68E-03	7.60E-04
2580	569924.7	4215677	1.12E-02	1.71E-03	7.71E-04
2581	569915.6	4215675	1.13E-02	1.73E-03	7.82E-04
2582	569906.5	4215673	1.15E-02	1.76E-03	7.93E-04
2583	569870	4215663	1.22E-02	1.87E-03	8.44E-04
2584	569860.9	4215661	1.24E-02	1.90E-03	8.57E-04
2585	569851.8	4215659	1.26E-02	1.93E-03	8.70E-04
2586	569842.7	4215656	1.28E-02	1.96E-03	8.84E-04
2587	569833.6	4215654	1.30E-02	1.99E-03	8.97E-04
2588	569943	4215682	1.09E-02	1.66E-03	7.50E-04
2589	569952.3	4215680	1.09E-02	1.67E-03	7.54E-04
2590	569961.6	4215679	1.10E-02	1.68E-03	7.60E-04
2591	569970.9	4215677	1.11E-02	1.70E-03	7.66E-04
2592	569980.2	4215675	1.12E-02	1.71E-03	7.73E-04
2593	569989.5	4215674	1.13E-02	1.73E-03	7.80E-04
2594	569998.8	4215672	1.14E-02	1.75E-03	7.89E-04
2595	570008.2	4215670	1.16E-02	1.77E-03	7.98E-04

2596	570017.5	4215669	1.17E-02	1.79E-03	8.09E-04
2597	570026.8	4215667	1.19E-02	1.82E-03	8.20E-04
2598	570036.1	4215665	1.21E-02	1.85E-03	8.34E-04
2599	570045.4	4215664	1.23E-02	1.88E-03	8.49E-04
2600	570054.7	4215662	1.25E-02	1.92E-03	8.65E-04
2601	570064.1	4215660	1.28E-02	1.95E-03	8.81E-04
2602	570073.4	4215659	1.31E-02	1.99E-03	9.00E-04
2603	570082.7	4215657	1.33E-02	2.04E-03	9.20E-04
2604	570092	4215655	1.37E-02	2.09E-03	9.41E-04
2605	570101.3	4215654	1.40E-02	2.14E-03	9.65E-04
2606	569935.7	4215690	1.05E-02	1.60E-03	7.23E-04
2607	569926.6	4215687	1.06E-02	1.62E-03	7.33E-04
2608	569917.5	4215685	1.08E-02	1.65E-03	7.43E-04
2609	569908.4	4215683	1.09E-02	1.67E-03	7.53E-04
2610	569899.4	4215680	1.11E-02	1.69E-03	7.64E-04
2611	569863.1	4215671	1.18E-02	1.80E-03	8.11E-04
2612	569854	4215669	1.20E-02	1.82E-03	8.24E-04
2613	569844.9	4215666	1.21E-02	1.85E-03	8.36E-04
2614	569944.7	4215692	1.04E-02	1.58E-03	7.14E-04
2615	569954	4215690	1.04E-02	1.59E-03	7.19E-04
2616	569963.4	4215689	1.05E-02	1.60E-03	7.24E-04
2617	569972.7	4215687	1.06E-02	1.62E-03	7.30E-04
2618	569982	4215685	1.07E-02	1.63E-03	7.36E-04
2619	569991.3	4215684	1.08E-02	1.65E-03	7.43E-04
2620	570000.6	4215682	1.09E-02	1.66E-03	7.51E-04
2621	570009.9	4215680	1.10E-02	1.68E-03	7.59E-04
2622	570019.2	4215678	1.12E-02	1.70E-03	7.69E-04
2623	570028.6	4215677	1.13E-02	1.73E-03	7.80E-04
2624	570037.9	4215675	1.15E-02	1.76E-03	7.92E-04
2625	570047.2	4215673	1.17E-02	1.79E-03	8.06E-04
2626	570056.5	4215672	1.19E-02	1.82E-03	8.21E-04
2627	570065.8	4215670	1.21E-02	1.85E-03	8.37E-04
2628	570075.1	4215668	1.24E-02	1.89E-03	8.54E-04
2629	570084.5	4215667	1.27E-02	1.93E-03	8.73E-04
2630	570093.8	4215665	1.30E-02	1.98E-03	8.93E-04
2631	570103.1	4215663	1.33E-02	2.03E-03	9.15E-04
2632	569937.5	4215699	1.00E-02	1.53E-03	6.89E-04
2633	569928.4	4215697	1.01E-02	1.55E-03	6.98E-04
2634	569919.4	4215695	1.03E-02	1.57E-03	7.07E-04
2635	569910.4	4215692	1.04E-02	1.59E-03	7.16E-04
2636	569901.3	4215690	1.05E-02	1.61E-03	7.26E-04
2637	569892.3	4215688	1.07E-02	1.63E-03	7.37E-04
2638	569946.5	4215702	9.88E-03	1.51E-03	6.81E-04
2639	569955.8	4215700	9.95E-03	1.52E-03	6.86E-04
2640	569965.1	4215698	1.00E-02	1.53E-03	6.91E-04
2641	569974.4	4215697	1.01E-02	1.54E-03	6.97E-04
2642	569983.8	4215695	1.02E-02	1.56E-03	7.03E-04
2643	569993.1	4215693	1.03E-02	1.57E-03	7.09E-04
2644	570002.4	4215692	1.04E-02	1.59E-03	7.16E-04
2645	570011.7	4215690	1.05E-02	1.60E-03	7.24E-04
2646	570021	4215688	1.06E-02	1.62E-03	7.32E-04
2647	570030.3	4215687	1.08E-02	1.65E-03	7.43E-04

2648	570039.6	4215685	1.09E-02	1.67E-03	7.54E-04
2649	570049	4215683	1.11E-02	1.70E-03	7.67E-04
2650	570058.3	4215682	1.13E-02	1.73E-03	7.81E-04
2651	570067.6	4215680	1.16E-02	1.76E-03	7.96E-04
2652	570076.9	4215678	1.18E-02	1.80E-03	8.12E-04
2653	570086.2	4215677	1.20E-02	1.84E-03	8.30E-04
2654	570095.5	4215675	1.23E-02	1.88E-03	8.49E-04
2655	570104.9	4215673	1.26E-02	1.93E-03	8.69E-04
2656	569939.3	4215709	9.55E-03	1.46E-03	6.58E-04
2657	569930.3	4215707	9.66E-03	1.47E-03	6.66E-04
2658	569921.3	4215705	9.78E-03	1.49E-03	6.74E-04
2659	569912.3	4215702	9.90E-03	1.51E-03	6.82E-04
2660	569903.3	4215700	1.00E-02	1.53E-03	6.91E-04
2661	569894.3	4215698	1.02E-02	1.55E-03	7.01E-04
2662	569885.3	4215695	1.03E-02	1.57E-03	7.11E-04
2663	569876.3	4215693	1.00E-02	1.53E-03	6.90E-04
2664	569948.3	4215712	9.44E-03	1.44E-03	6.51E-04
2665	569957.6	4215710	9.51E-03	1.45E-03	6.55E-04
2666	569966.9	4215708	9.58E-03	1.46E-03	6.60E-04
2667	569976.2	4215707	9.66E-03	1.48E-03	6.66E-04
2668	569985.5	4215705	9.75E-03	1.49E-03	6.72E-04
2669	569994.8	4215703	9.84E-03	1.50E-03	6.78E-04
2670	570004.2	4215702	9.93E-03	1.52E-03	6.84E-04
2671	570013.5	4215700	1.00E-02	1.53E-03	6.91E-04
2672	570022.8	4215698	1.01E-02	1.55E-03	6.99E-04
2673	570032.1	4215696	1.03E-02	1.57E-03	7.09E-04
2674	570041.4	4215695	1.04E-02	1.59E-03	7.19E-04
2675	570050.7	4215693	1.06E-02	1.62E-03	7.31E-04
2676	570060	4215691	1.08E-02	1.65E-03	7.44E-04
2677	570069.4	4215690	1.10E-02	1.68E-03	7.58E-04
2678	570078.7	4215688	1.12E-02	1.71E-03	7.73E-04
2679	570088	4215686	1.15E-02	1.75E-03	7.89E-04
2680	570097.3	4215685	1.17E-02	1.79E-03	8.07E-04
2681	569941.1	4215719	9.13E-03	1.39E-03	6.29E-04
2682	569932.1	4215717	9.24E-03	1.41E-03	6.36E-04
2683	569923.2	4215715	9.34E-03	1.43E-03	6.44E-04
2684	569914.2	4215712	9.45E-03	1.44E-03	6.52E-04
2685	569905.2	4215710	9.57E-03	1.46E-03	6.59E-04
2686	569896.3	4215708	9.69E-03	1.48E-03	6.68E-04
2687	569887.3	4215705	9.82E-03	1.50E-03	6.77E-04
2688	569878.3	4215703	9.96E-03	1.52E-03	6.86E-04
2689	569869.4	4215701	9.62E-03	1.47E-03	6.63E-04
2690	569950	4215721	9.03E-03	1.38E-03	6.23E-04
2691	569959.4	4215720	9.10E-03	1.39E-03	6.27E-04
2692	569968.7	4215718	9.17E-03	1.40E-03	6.32E-04
2693	569978	4215716	9.24E-03	1.41E-03	6.37E-04
2694	569987.3	4215715	9.32E-03	1.42E-03	6.43E-04
2695	569996.6	4215713	9.41E-03	1.44E-03	6.48E-04
2696	570005.9	4215711	9.50E-03	1.45E-03	6.55E-04
2697	570015.2	4215710	9.59E-03	1.46E-03	6.61E-04
2698	570024.6	4215708	9.70E-03	1.48E-03	6.68E-04
2699	570033.9	4215706	9.83E-03	1.50E-03	6.77E-04

2700	570043.2	4215705	9.97E-03	1.52E-03	6.87E-04
2701	570052.5	4215703	1.01E-02	1.55E-03	6.98E-04
2702	570061.8	4215701	1.03E-02	1.57E-03	7.10E-04
2703	570071.1	4215700	1.05E-02	1.60E-03	7.23E-04
2704	570080.5	4215698	1.07E-02	1.63E-03	7.37E-04
2705	570089.8	4215696	1.09E-02	1.67E-03	7.52E-04
2706	570099.1	4215695	1.12E-02	1.71E-03	7.70E-04
2707	570108.4	4215693	1.14E-02	1.75E-03	7.88E-04
2708	569942.9	4215729	8.75E-03	1.34E-03	6.03E-04
2709	569933.9	4215727	8.84E-03	1.35E-03	6.09E-04
2710	569925	4215724	8.94E-03	1.37E-03	6.16E-04
2711	569916.1	4215722	9.04E-03	1.38E-03	6.23E-04
2712	569907.2	4215720	9.15E-03	1.40E-03	6.30E-04
2713	569898.2	4215717	9.26E-03	1.41E-03	6.38E-04
2714	569889.3	4215715	9.38E-03	1.43E-03	6.46E-04
2715	569880.4	4215713	9.50E-03	1.45E-03	6.54E-04
2716	569871.4	4215711	9.19E-03	1.40E-03	6.33E-04
2717	569862.5	4215708	9.25E-03	1.41E-03	6.37E-04
2718	569591.2	4215444	1.63E-02	2.48E-03	1.12E-03
2719	569951.8	4215731	8.66E-03	1.32E-03	5.96E-04
2720	569961.1	4215730	8.71E-03	1.33E-03	6.00E-04
2721	569970.4	4215728	8.78E-03	1.34E-03	6.05E-04
2722	569979.8	4215726	8.85E-03	1.35E-03	6.10E-04
2723	569989.1	4215725	8.93E-03	1.36E-03	6.15E-04
2724	569998.4	4215723	9.01E-03	1.38E-03	6.21E-04
2725	570007.7	4215721	9.09E-03	1.39E-03	6.27E-04
2726	570017	4215720	9.18E-03	1.40E-03	6.33E-04
2727	570026.3	4215718	9.29E-03	1.42E-03	6.40E-04
2728	570035.6	4215716	9.40E-03	1.44E-03	6.48E-04
2729	570045	4215714	9.53E-03	1.46E-03	6.57E-04
2730	570054.3	4215713	9.68E-03	1.48E-03	6.67E-04
2731	570063.6	4215711	9.84E-03	1.50E-03	6.78E-04
2732	570072.9	4215709	1.00E-02	1.53E-03	6.90E-04
2733	570082.2	4215708	1.02E-02	1.56E-03	7.03E-04
2734	570091.5	4215706	1.04E-02	1.59E-03	7.18E-04
2735	570134.3	4215513	4.66E-02	7.11E-03	3.21E-03
2736	570122.9	4215521	4.07E-02	6.22E-03	2.81E-03
2737	570111.5	4215529	3.62E-02	5.53E-03	2.50E-03
2738	570121.1	4215531	3.65E-02	5.57E-03	2.51E-03
2739	570100.1	4215538	3.28E-02	5.02E-03	2.26E-03
2740	570109.8	4215539	3.28E-02	5.01E-03	2.26E-03
2741	570119.4	4215541	3.30E-02	5.04E-03	2.27E-03
2742	570129	4215543	3.34E-02	5.10E-03	2.30E-03
2743	570098.4	4215547	2.99E-02	4.57E-03	2.06E-03
2744	570108	4215549	2.99E-02	4.56E-03	2.06E-03
2745	570117.7	4215551	3.00E-02	4.58E-03	2.07E-03
2746	570096.7	4215557	2.73E-02	4.17E-03	1.88E-03
2747	570106.3	4215559	2.73E-02	4.17E-03	1.88E-03
2748	570115.9	4215561	2.74E-02	4.19E-03	1.89E-03
2749	570094.9	4215567	2.50E-02	3.82E-03	1.72E-03
2750	570104.6	4215569	2.50E-02	3.82E-03	1.73E-03
2751	570114.2	4215571	2.51E-02	3.84E-03	1.73E-03

2752	570123.8	4215572	2.54E-02	3.88E-03	1.75E-03
2753	570102.8	4215579	2.30E-02	3.52E-03	1.59E-03
2754	570112.5	4215580	2.31E-02	3.53E-03	1.59E-03
2755	570122.1	4215582	2.34E-02	3.57E-03	1.61E-03
2756	570101.1	4215589	2.13E-02	3.25E-03	1.47E-03
2757	570110.7	4215590	2.14E-02	3.27E-03	1.48E-03
2758	570099.3	4215598	1.98E-02	3.02E-03	1.36E-03
2759	570109	4215600	1.99E-02	3.05E-03	1.37E-03
2760	570118.6	4215602	2.01E-02	3.07E-03	1.39E-03
2761	570107.2	4215610	1.86E-02	2.84E-03	1.28E-03
2762	570105.5	4215620	1.74E-02	2.66E-03	1.20E-03
2763	570113.4	4215631	1.64E-02	2.50E-03	1.13E-03
2764	570111.7	4215641	1.54E-02	2.34E-03	1.06E-03
2765	570088.1	4215718	9.78E-03	1.49E-03	6.74E-04
2766	570097.7	4215720	9.84E-03	1.50E-03	6.78E-04

			T2			T2L3			T4f		
			314	570355.74							
					4.58E-07			6.98E-08			3.05E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	570176.2	4215489	2.00E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.78E-08	1.38E-08	7.09E-09	2.09E-08
2	570192.2	4215484	2.26E-07	1.28E-07	3.54E-07	3.45E-08	1.95E-08	5.40E-08	1.56E-08	8.02E-09	2.36E-08
3	570208.7	4215477	2.63E-07	1.49E-07	4.13E-07	4.02E-08	2.27E-08	6.29E-08	1.82E-08	9.34E-09	2.75E-08
4	570225.2	4215470	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.24E-08	2.09E-08	1.08E-08	3.16E-08
5	570241.7	4215462	3.36E-07	1.90E-07	5.26E-07	5.13E-08	2.89E-08	8.02E-08	2.31E-08	1.19E-08	3.50E-08
6	570258.2	4215455	3.56E-07	2.02E-07	5.58E-07	5.44E-08	3.07E-08	8.51E-08	2.45E-08	1.26E-08	3.72E-08
7	570179.3	4215498	1.77E-07	1.00E-07	2.77E-07	2.70E-08	1.52E-08	4.22E-08	1.22E-08	6.27E-09	1.84E-08
8	570162	4215500	1.59E-07	9.04E-08	2.50E-07	2.44E-08	1.37E-08	3.81E-08	1.10E-08	5.66E-09	1.66E-08
9	570196.2	4215493	2.01E-07	1.14E-07	3.15E-07	3.07E-08	1.73E-08	4.80E-08	1.38E-08	7.12E-09	2.10E-08
10	570212.7	4215486	2.36E-07	1.33E-07	3.69E-07	3.60E-08	2.03E-08	5.63E-08	1.62E-08	8.36E-09	2.46E-08
11	570229.2	4215479	2.72E-07	1.54E-07	4.26E-07	4.15E-08	2.34E-08	6.49E-08	1.87E-08	9.64E-09	2.84E-08
12	570237.5	4215475	2.88E-07	1.63E-07	4.51E-07	4.40E-08	2.48E-08	6.88E-08	1.98E-08	1.02E-08	3.01E-08
13	570254	4215468	3.15E-07	1.78E-07	4.93E-07	4.80E-08	2.71E-08	7.51E-08	2.17E-08	1.12E-08	3.28E-08
14	570183.7	4215507	1.60E-07	9.04E-08	2.50E-07	2.44E-08	1.38E-08	3.81E-08	1.10E-08	5.66E-09	1.67E-08
15	570167.2	4215509	1.44E-07	8.18E-08	2.26E-07	2.21E-08	1.24E-08	3.45E-08	9.95E-09	5.12E-09	1.51E-08
16	570150.7	4215511	1.31E-07	7.45E-08	2.06E-07	2.01E-08	1.13E-08	3.14E-08	9.06E-09	4.66E-09	1.37E-08
17	570200.2	4215503	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.43E-09	1.89E-08
18	570216.7	4215495	2.12E-07	1.20E-07	3.33E-07	3.24E-08	1.83E-08	5.07E-08	1.46E-08	7.54E-09	2.22E-08
19	570225	4215492	2.29E-07	1.30E-07	3.59E-07	3.50E-08	1.98E-08	5.48E-08	1.58E-08	8.13E-09	2.39E-08
20	570241.5	4215484	2.60E-07	1.47E-07	4.07E-07	3.97E-08	2.24E-08	6.21E-08	1.79E-08	9.22E-09	2.71E-08
21	570249.8	4215481	2.73E-07	1.55E-07	4.28E-07	4.17E-08	2.35E-08	6.53E-08	1.88E-08	9.69E-09	2.85E-08
22	570266.3	4215473	2.95E-07	1.67E-07	4.62E-07	4.50E-08	2.54E-08	7.04E-08	2.03E-08	1.05E-08	3.08E-08
23	570188.1	4215516	1.46E-07	8.25E-08	2.28E-07	2.22E-08	1.26E-08	3.48E-08	1.00E-08	5.17E-09	1.52E-08
24	570172.2	4215518	1.31E-07	7.45E-08	2.06E-07	2.01E-08	1.13E-08	3.14E-08	9.06E-09	4.66E-09	1.37E-08
25	570156.3	4215520	1.20E-07	6.82E-08	1.89E-07	1.84E-08	1.04E-08	2.88E-08	8.29E-09	4.27E-09	1.26E-08
26	570140.5	4215522	1.11E-07	6.27E-08	1.74E-07	1.69E-08	9.54E-09	2.65E-08	7.63E-09	3.93E-09	1.16E-08
27	570204.3	4215512	1.66E-07	9.38E-08	2.60E-07	2.53E-08	1.43E-08	3.96E-08	1.14E-08	5.88E-09	1.73E-08
28	570220.8	4215504	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.87E-09	2.02E-08
29	570237.3	4215497	2.23E-07	1.26E-07	3.49E-07	3.40E-08	1.92E-08	5.32E-08	1.54E-08	7.90E-09	2.33E-08
30	570253.8	4215490	2.48E-07	1.41E-07	3.89E-07	3.79E-08	2.14E-08	5.93E-08	1.71E-08	8.80E-09	2.59E-08
31	570262.1	4215486	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.23E-08	6.19E-08	1.79E-08	9.20E-09	2.71E-08
32	570191.4	4215526	1.33E-07	7.54E-08	2.09E-07	2.03E-08	1.15E-08	3.18E-08	9.18E-09	4.72E-09	1.39E-08
33	570174.1	4215528	1.19E-07	6.71E-08	1.86E-07	1.81E-08	1.02E-08	2.83E-08	8.17E-09	4.20E-09	1.24E-08
34	570156.8	4215530	1.08E-07	6.13E-08	1.69E-07	1.65E-08	9.32E-09	2.58E-08	7.46E-09	3.84E-09	1.13E-08
35	570139.4	4215532	9.94E-08	5.63E-08	1.56E-07	1.52E-08	8.56E-09	2.37E-08	6.85E-09	3.52E-09	1.04E-08
36	570208.3	4215521	1.53E-07	8.64E-08	2.39E-07	2.33E-08	1.31E-08	3.64E-08	1.05E-08	5.41E-09	1.59E-08
37	570216.6	4215517	1.65E-07	9.33E-08	2.58E-07	2.52E-08	1.42E-08	3.93E-08	1.14E-08	5.84E-09	1.72E-08
38	570233.1	4215510	1.91E-07	1.08E-07	2.99E-07	2.91E-08	1.64E-08	4.55E-08	1.31E-08	6.76E-09	1.99E-08
39	570249.6	4215503	2.16E-07	1.22E-07	3.38E-07	3.29E-08	1.86E-08	5.15E-08	1.49E-08	7.64E-09	2.25E-08
40	570266.1	4215495	2.37E-07	1.34E-07	3.71E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.40E-09	2.47E-08
41	570274.4	4215492	2.46E-07	1.39E-07	3.85E-07	3.75E-08	2.12E-08	5.87E-08	1.69E-08	8.72E-09	2.57E-08
42	570195.7	4215535	1.24E-07	7.00E-08	1.94E-07	1.89E-08	1.06E-08	2.95E-08	8.52E-09	4.38E-09	1.29E-08
43	570179.1	4215537	1.11E-07	6.28E-08	1.74E-07	1.69E-08	9.55E-09	2.65E-08	7.64E-09	3.93E-09	1.16E-08
44	570162.4	4215539	1.01E-07	5.72E-08	1.58E-07	1.54E-08	8.70E-09	2.41E-08	6.96E-09	3.58E-09	1.05E-08
45	570145.7	4215541	9.31E-08	5.28E-08	1.46E-07	1.42E-08	8.02E-09	2.22E-08	6.42E-09	3.30E-09	9.72E-09
46	570212.3	4215530	1.41E-07	7.98E-08	2.21E-07	2.15E-08	1.21E-08	3.36E-08	9.71E-09	5.00E-09	1.47E-08
47	570228.8	4215523	1.63E-07	9.24E-08	2.55E-07	2.49E-08	1.40E-08	3.89E-08	1.12E-08	5.78E-09	1.70E-08
48	570245.4	4215515	1.87E-07	1.06E-07	2.92E-07	2.85E-08	1.61E-08	4.46E-08	1.29E-08	6.62E-09	1.95E-08
49	570261.9	4215508	2.09E-07	1.18E-07	3.27E-07	3.19E-08	1.80E-08	4.98E-08	1.44E-08	7.40E-09	2.18E-08
50	570278.4	4215501	2.26E-07	1.28E-07	3.55E-07	3.46E-08	1.95E-08	5.41E-08	1.56E-08	8.03E-09	2.36E-08
51	570200	4215544	1.15E-07	6.51E-08	1.80E-07	1.76E-08	9.91E-09	2.75E-08	7.92E-09	4.08E-09	1.20E-08
52	570183.9	4215546	1.04E-07	5.88E-08	1.63E-07	1.59E-08	8.95E-09	2.48E-08	7.16E-09	3.68E-09	1.08E-08
53	570167.7	4215548	9.45E-08	5.35E-08	1.48E-07	1.44E-08	8.14E-09	2.26E-08	6.51E-09	3.35E-09	9.87E-09
54	570151.5	4215550	8.74E-08	4.95E-08	1.37E-07	1.33E-08	7.53E-09	2.09E-08	6.02E-09	3.10E-09	9.12E-09
55	570135.4	4215552	8.12E-08	4.60E-08	1.27E-07	1.24E-08	7.00E-09	1.94E-08	5.60E-09	2.88E-09	8.48E-09
56	570216.4	4215539	1.31E-07	7.41E-08	2.05E-07	2.00E-08	1.13E-08	3.12E-08	9.01E-09	4.64E-09	1.36E-08
57	570232.9	4215532	1.51E-07	8.55E-08	2.36E-07	2.30E-08	1.30E-08	3.61E-08	1.04E-08	5.35E-09	1.58E-08

58	570241.1	4215528	1.61E-07	9.14E-08	2.53E-07	2.46E-08	1.39E-08	3.85E-08	1.11E-08	5.72E-09	1.68E-08
59	570257.6	4215521	1.83E-07	1.03E-07	2.86E-07	2.79E-08	1.57E-08	4.36E-08	1.26E-08	6.48E-09	1.91E-08
60	570274.2	4215514	2.01E-07	1.14E-07	3.15E-07	3.08E-08	1.74E-08	4.81E-08	1.39E-08	7.14E-09	2.10E-08
61	570203.5	4215553	1.07E-07	6.05E-08	1.67E-07	1.63E-08	9.20E-09	2.55E-08	7.36E-09	3.79E-09	1.11E-08
62	570186.2	4215555	9.61E-08	5.44E-08	1.51E-07	1.47E-08	8.28E-09	2.29E-08	6.62E-09	3.41E-09	1.00E-08
63	570168.8	4215557	8.70E-08	4.93E-08	1.36E-07	1.33E-08	7.50E-09	2.08E-08	5.99E-09	3.09E-09	9.08E-09
64	570151.5	4215559	8.01E-08	4.54E-08	1.25E-07	1.22E-08	6.90E-09	1.91E-08	5.52E-09	2.84E-09	8.36E-09
65	570134.2	4215561	7.42E-08	4.20E-08	1.16E-07	1.13E-08	6.39E-09	1.77E-08	5.11E-09	2.63E-09	7.74E-09
66	570220.4	4215548	1.22E-07	6.90E-08	1.91E-07	1.86E-08	1.05E-08	2.91E-08	8.40E-09	4.32E-09	1.27E-08
67	570228.6	4215545	1.31E-07	7.43E-08	2.05E-07	2.00E-08	1.13E-08	3.13E-08	9.04E-09	4.65E-09	1.37E-08
68	570245.2	4215537	1.50E-07	8.51E-08	2.35E-07	2.29E-08	1.29E-08	3.59E-08	1.04E-08	5.33E-09	1.57E-08
69	570253.4	4215534	1.60E-07	9.06E-08	2.51E-07	2.44E-08	1.38E-08	3.82E-08	1.10E-08	5.67E-09	1.67E-08
70	570269.9	4215526	1.78E-07	1.01E-07	2.79E-07	2.72E-08	1.53E-08	4.25E-08	1.23E-08	6.32E-09	1.86E-08
71	570286.5	4215519	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.88E-09	2.02E-08
72	570207.8	4215562	1.00E-07	5.69E-08	1.57E-07	1.53E-08	8.66E-09	2.40E-08	6.92E-09	3.56E-09	1.05E-08
73	570191	4215564	9.07E-08	5.14E-08	1.42E-07	1.39E-08	7.82E-09	2.17E-08	6.25E-09	3.22E-09	9.47E-09
74	570174.2	4215566	8.21E-08	4.65E-08	1.29E-07	1.25E-08	7.07E-09	1.96E-08	5.66E-09	2.91E-09	8.57E-09
75	570157.4	4215568	7.56E-08	4.28E-08	1.18E-07	1.15E-08	6.52E-09	1.81E-08	5.21E-09	2.68E-09	7.89E-09
76	570140.6	4215570	7.01E-08	3.97E-08	1.10E-07	1.07E-08	6.04E-09	1.68E-08	4.83E-09	2.49E-09	7.32E-09
77	570224.4	4215557	1.14E-07	6.46E-08	1.79E-07	1.74E-08	9.82E-09	2.72E-08	7.85E-09	4.04E-09	1.19E-08
78	570240.9	4215550	1.31E-07	7.43E-08	2.05E-07	2.00E-08	1.13E-08	3.13E-08	9.04E-09	4.65E-09	1.37E-08
79	570257.5	4215543	1.49E-07	8.44E-08	2.33E-07	2.27E-08	1.28E-08	3.56E-08	1.03E-08	5.28E-09	1.55E-08
80	570274	4215536	1.66E-07	9.39E-08	2.60E-07	2.53E-08	1.43E-08	3.96E-08	1.14E-08	5.88E-09	1.73E-08
81	570282.2	4215532	1.73E-07	9.82E-08	2.71E-07	2.65E-08	1.49E-08	4.14E-08	1.19E-08	6.15E-09	1.81E-08
82	570211.3	4215571	9.43E-08	5.34E-08	1.48E-07	1.44E-08	8.13E-09	2.25E-08	6.50E-09	3.35E-09	9.85E-09
83	570193.4	4215573	8.48E-08	4.80E-08	1.33E-07	1.29E-08	7.30E-09	2.02E-08	5.84E-09	3.01E-09	8.85E-09
84	570175.6	4215576	7.63E-08	4.32E-08	1.20E-07	1.17E-08	6.58E-09	1.82E-08	5.26E-09	2.71E-09	7.97E-09
85	570157.8	4215578	6.99E-08	3.96E-08	1.09E-07	1.07E-08	6.02E-09	1.67E-08	4.82E-09	2.48E-09	7.30E-09
86	570139.9	4215580	6.46E-08	3.66E-08	1.01E-07	9.86E-09	5.57E-09	1.54E-08	4.45E-09	2.29E-09	6.74E-09
87	570220.2	4215570	9.95E-08	5.64E-08	1.56E-07	1.52E-08	8.57E-09	2.38E-08	6.85E-09	3.53E-09	1.04E-08
88	570236.7	4215563	1.14E-07	6.49E-08	1.79E-07	1.75E-08	9.86E-09	2.73E-08	7.89E-09	4.06E-09	1.19E-08
89	570253.2	4215556	1.30E-07	7.39E-08	2.04E-07	1.99E-08	1.12E-08	3.12E-08	8.99E-09	4.63E-09	1.36E-08
90	570269.7	4215548	1.47E-07	8.30E-08	2.30E-07	2.24E-08	1.26E-08	3.50E-08	1.01E-08	5.20E-09	1.53E-08
91	570286.3	4215541	1.62E-07	9.15E-08	2.53E-07	2.47E-08	1.39E-08	3.86E-08	1.11E-08	5.73E-09	1.69E-08
92	570215.6	4215580	8.90E-08	5.04E-08	1.39E-07	1.36E-08	7.67E-09	2.13E-08	6.14E-09	3.16E-09	9.29E-09
93	570198.3	4215583	8.05E-08	4.56E-08	1.26E-07	1.23E-08	6.94E-09	1.92E-08	5.55E-09	2.86E-09	8.40E-09
94	570180.9	4215585	7.28E-08	4.12E-08	1.14E-07	1.11E-08	6.27E-09	1.74E-08	5.02E-09	2.58E-09	7.60E-09
95	570163.6	4215587	6.65E-08	3.77E-08	1.04E-07	1.02E-08	5.73E-09	1.59E-08	4.58E-09	2.36E-09	6.94E-09
96	570146.3	4215589	6.15E-08	3.48E-08	9.63E-08	9.39E-09	5.30E-09	1.47E-08	4.24E-09	2.18E-09	6.42E-09
97	570129	4215591	5.76E-08	3.26E-08	9.02E-08	8.79E-09	4.96E-09	1.37E-08	3.97E-09	2.04E-09	6.01E-09
98	570232.5	4215576	1.00E-07	5.67E-08	1.57E-07	1.53E-08	8.62E-09	2.39E-08	6.90E-09	3.55E-09	1.04E-08
99	570249	4215568	1.14E-07	6.46E-08	1.79E-07	1.74E-08	9.82E-09	2.72E-08	7.86E-09	4.04E-09	1.19E-08
100	570265.5	4215561	1.29E-07	7.29E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.86E-09	4.56E-09	1.34E-08
101	570282	4215554	1.43E-07	8.12E-08	2.25E-07	2.19E-08	1.24E-08	3.43E-08	9.88E-09	5.09E-09	1.50E-08
102	570290.3	4215550	1.50E-07	8.52E-08	2.36E-07	2.30E-08	1.30E-08	3.59E-08	1.04E-08	5.33E-09	1.57E-08
103	570298.5	4215547	1.57E-07	8.89E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08
104	570219.8	4215590	8.39E-08	4.75E-08	1.31E-07	1.28E-08	7.23E-09	2.00E-08	5.78E-09	2.98E-09	8.76E-09
105	570203	4215592	7.63E-08	4.32E-08	1.20E-07	1.17E-08	6.57E-09	1.82E-08	5.26E-09	2.71E-09	7.96E-09
106	570186.1	4215594	6.94E-08	3.93E-08	1.09E-07	1.06E-08	5.98E-09	1.66E-08	4.78E-09	2.46E-09	7.24E-09
107	570169.2	4215596	6.33E-08	3.59E-08	9.92E-08	9.67E-09	5.46E-09	1.51E-08	4.36E-09	2.25E-09	6.61E-09
108	570152.4	4215598	5.87E-08	3.33E-08	9.20E-08	8.97E-09	5.06E-09	1.40E-08	4.05E-09	2.08E-09	6.13E-09
109	570135.5	4215600	5.50E-08	3.11E-08	8.61E-08	8.39E-09	4.74E-09	1.31E-08	3.79E-09	1.95E-09	5.74E-09
110	570236.5	4215585	9.30E-08	5.27E-08	1.46E-07	1.42E-08	8.01E-09	2.22E-08	6.41E-09	3.30E-09	9.70E-09
111	570253	4215578	1.05E-07	5.96E-08	1.65E-07	1.61E-08	9.06E-09	2.51E-08	7.25E-09	3.73E-09	1.10E-08
112	570261.3	4215574	1.12E-07	6.33E-08	1.75E-07	1.71E-08	9.62E-09	2.67E-08	7.70E-09	3.96E-09	1.17E-08
113	570277.8	4215567	1.26E-07	7.11E-08	1.97E-07	1.92E-08	1.08E-08	3.00E-08	8.65E-09	4.45E-09	1.31E-08
114	570294.3	4215559	1.39E-07	7.90E-08	2.18E-07	2.13E-08	1.20E-08	3.33E-08	9.61E-09	4.95E-09	1.46E-08
115	570223.4	4215599	7.85E-08	4.45E-08	1.23E-07	1.20E-08	6.77E-09	1.88E-08	5.41E-09	2.79E-09	8.20E-09
116	570205.7	4215601	7.16E-08	4.05E-08	1.12E-07	1.09E-08	6.17E-09	1.71E-08	4.93E-09	2.54E-09	7.47E-09
117	570187.9	4215603	6.49E-08	3.68E-08	1.02E-07	9.92E-09	5.60E-09	1.55E-08	4.48E-09	2.30E-09	6.78E-09
118	570170.1	4215605	5.91E-08	3.35E-08	9.26E-08	9.03E-09	5.10E-09	1.41E-08	4.07E-09	2.10E-09	6.17E-09

119	570161.3	4215606	5.69E-08	3.22E-08	8.91E-08	8.68E-09	4.90E-09	1.36E-08	3.92E-09	2.02E-09	5.93E-09
120	570143.5	4215608	5.28E-08	2.99E-08	8.28E-08	8.07E-09	4.55E-09	1.26E-08	3.64E-09	1.87E-09	5.52E-09
121	570125.8	4215611	4.98E-08	2.82E-08	7.81E-08	7.61E-09	4.29E-09	1.19E-08	3.43E-09	1.77E-09	5.20E-09
122	570232.3	4215598	8.16E-08	4.62E-08	1.28E-07	1.25E-08	7.03E-09	1.95E-08	5.62E-09	2.89E-09	8.51E-09
123	570248.8	4215590	9.19E-08	5.21E-08	1.44E-07	1.40E-08	7.92E-09	2.20E-08	6.33E-09	3.26E-09	9.59E-09
124	570265.3	4215583	9.67E-08	5.48E-08	1.51E-07	1.48E-08	8.33E-09	2.31E-08	6.66E-09	3.43E-09	1.01E-08
125	570281.8	4215576	1.16E-07	6.58E-08	1.82E-07	1.77E-08	1.00E-08	2.77E-08	8.00E-09	4.12E-09	1.21E-08
126	570290.1	4215572	1.23E-07	6.95E-08	1.92E-07	1.87E-08	1.06E-08	2.93E-08	8.45E-09	4.35E-09	1.28E-08
127	570298.4	4215569	1.29E-07	7.31E-08	2.02E-07	1.97E-08	1.11E-08	3.08E-08	8.89E-09	4.58E-09	1.35E-08
128	570227.7	4215608	7.35E-08	4.17E-08	1.15E-07	1.12E-08	6.34E-09	1.76E-08	5.07E-09	2.61E-09	7.68E-09
129	570210.4	4215610	6.79E-08	3.85E-08	1.06E-07	1.04E-08	5.85E-09	1.62E-08	4.68E-09	2.41E-09	7.09E-09
130	570193	4215612	6.20E-08	3.51E-08	9.72E-08	9.47E-09	5.34E-09	1.48E-08	4.27E-09	2.20E-09	6.47E-09
131	570175.7	4215614	5.66E-08	3.21E-08	8.86E-08	8.64E-09	4.88E-09	1.35E-08	3.90E-09	2.01E-09	5.91E-09
132	570158.4	4215616	5.25E-08	2.97E-08	8.22E-08	8.01E-09	4.52E-09	1.25E-08	3.62E-09	1.86E-09	5.48E-09
133	570141.1	4215618	4.91E-08	2.78E-08	7.68E-08	7.49E-09	4.23E-09	1.17E-08	3.38E-09	1.74E-09	5.12E-09
134	570123.8	4215620	4.65E-08	2.63E-08	7.28E-08	7.09E-09	4.00E-09	1.11E-08	3.20E-09	1.65E-09	4.85E-09
135	570244.6	4215603	8.10E-08	4.59E-08	1.27E-07	1.24E-08	6.98E-09	1.93E-08	5.58E-09	2.87E-09	8.45E-09
136	570261.1	4215596	8.42E-08	4.77E-08	1.32E-07	1.29E-08	7.25E-09	2.01E-08	5.80E-09	2.99E-09	8.79E-09
137	570277.6	4215589	9.44E-08	5.35E-08	1.48E-07	1.44E-08	8.14E-09	2.26E-08	6.51E-09	3.35E-09	9.86E-09
138	570294.1	4215581	1.07E-07	6.06E-08	1.68E-07	1.63E-08	9.22E-09	2.56E-08	7.38E-09	3.80E-09	1.12E-08
139	570302.4	4215578	1.15E-07	6.50E-08	1.80E-07	1.75E-08	9.89E-09	2.74E-08	7.91E-09	4.07E-09	1.20E-08
140	570231.9	4215617	6.91E-08	3.92E-08	1.08E-07	1.06E-08	5.96E-09	1.65E-08	4.77E-09	2.45E-09	7.22E-09
141	570215	4215619	6.44E-08	3.65E-08	1.01E-07	9.84E-09	5.55E-09	1.54E-08	4.44E-09	2.28E-09	6.72E-09
142	570198	4215621	5.91E-08	3.35E-08	9.26E-08	9.02E-09	5.09E-09	1.41E-08	4.07E-09	2.10E-09	6.17E-09
143	570181.1	4215623	5.41E-08	3.07E-08	8.48E-08	8.27E-09	4.67E-09	1.29E-08	3.73E-09	1.92E-09	5.65E-09
144	570164.2	4215625	5.01E-08	2.84E-08	7.85E-08	7.65E-09	4.32E-09	1.20E-08	3.45E-09	1.78E-09	5.23E-09
145	570147.3	4215627	4.69E-08	2.66E-08	7.35E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
146	570130.3	4215629	4.44E-08	2.52E-08	6.96E-08	6.79E-09	3.83E-09	1.06E-08	3.06E-09	1.58E-09	4.64E-09
147	570248.6	4215612	7.10E-08	4.02E-08	1.11E-07	1.08E-08	6.12E-09	1.70E-08	4.89E-09	2.52E-09	7.41E-09
148	570256.9	4215609	7.44E-08	4.22E-08	1.17E-07	1.14E-08	6.41E-09	1.78E-08	5.13E-09	2.64E-09	7.77E-09
149	570273.4	4215601	8.30E-08	4.70E-08	1.30E-07	1.27E-08	7.15E-09	1.98E-08	5.72E-09	2.94E-09	8.66E-09
150	570289.9	4215594	9.31E-08	5.27E-08	1.46E-07	1.42E-08	8.02E-09	2.22E-08	6.41E-09	3.30E-09	9.72E-09
151	570298.2	4215591	9.88E-08	5.60E-08	1.55E-07	1.51E-08	8.52E-09	2.36E-08	6.81E-09	3.51E-09	1.03E-08
152	570314.7	4215583	1.12E-07	6.34E-08	1.75E-07	1.71E-08	9.65E-09	2.68E-08	7.72E-09	3.97E-09	1.17E-08
153	570235.5	4215626	6.51E-08	3.69E-08	1.02E-07	9.94E-09	5.61E-09	1.56E-08	4.49E-09	2.31E-09	6.80E-09
154	570226.7	4215627	6.28E-08	3.56E-08	9.83E-08	9.59E-09	5.41E-09	1.50E-08	4.33E-09	2.23E-09	6.55E-09
155	570209	4215629	5.79E-08	3.28E-08	9.08E-08	8.85E-09	4.99E-09	1.38E-08	3.99E-09	2.06E-09	6.05E-09
156	570191.3	4215632	5.30E-08	3.00E-08	8.31E-08	8.10E-09	4.57E-09	1.27E-08	3.65E-09	1.88E-09	5.54E-09
157	570173.6	4215634	4.86E-08	2.75E-08	7.62E-08	7.42E-09	4.19E-09	1.16E-08	3.35E-09	1.72E-09	5.07E-09
158	570164.8	4215635	4.70E-08	2.66E-08	7.36E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
159	570147.1	4215637	4.40E-08	2.49E-08	6.89E-08	6.72E-09	3.79E-09	1.05E-08	3.03E-09	1.56E-09	4.59E-09
160	570129.4	4215639	4.17E-08	2.36E-08	6.53E-08	6.36E-09	3.59E-09	9.95E-09	2.87E-09	1.48E-09	4.35E-09
161	570252.6	4215622	6.67E-08	3.78E-08	1.05E-07	1.02E-08	5.75E-09	1.59E-08	4.60E-09	2.37E-09	6.96E-09
162	570269.2	4215614	7.31E-08	4.14E-08	1.15E-07	1.12E-08	6.30E-09	1.75E-08	5.04E-09	2.59E-09	7.63E-09
163	570285.7	4215607	8.22E-08	4.66E-08	1.29E-07	1.26E-08	7.08E-09	1.96E-08	5.66E-09	2.92E-09	8.58E-09
164	570302.2	4215600	9.27E-08	5.25E-08	1.45E-07	1.42E-08	7.99E-09	2.22E-08	6.39E-09	3.29E-09	9.68E-09
165	570318.7	4215592	1.04E-07	5.91E-08	1.63E-07	1.59E-08	8.99E-09	2.49E-08	7.19E-09	3.70E-09	1.09E-08
166	570239.8	4215635	6.16E-08	3.49E-08	9.65E-08	9.41E-09	5.31E-09	1.47E-08	4.25E-09	2.19E-09	6.43E-09
167	570222.5	4215637	5.74E-08	3.25E-08	9.00E-08	8.77E-09	4.95E-09	1.37E-08	3.96E-09	2.04E-09	6.00E-09
168	570205.1	4215640	5.28E-08	2.99E-08	8.28E-08	8.07E-09	4.55E-09	1.26E-08	3.64E-09	1.87E-09	5.51E-09
169	570187.8	4215642	4.86E-08	2.75E-08	7.62E-08	7.42E-09	4.19E-09	1.16E-08	3.35E-09	1.72E-09	5.07E-09
170	570170.5	4215644	4.49E-08	2.55E-08	7.04E-08	6.86E-09	3.87E-09	1.07E-08	3.10E-09	1.59E-09	4.69E-09
171	570153.2	4215646	4.22E-08	2.39E-08	6.62E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
172	570135.9	4215648	4.00E-08	2.27E-08	6.26E-08	6.11E-09	3.45E-09	9.55E-09	2.76E-09	1.42E-09	4.17E-09
173	570118.6	4215650	3.81E-08	2.16E-08	5.97E-08	5.82E-09	3.28E-09	9.10E-09	2.63E-09	1.35E-09	3.98E-09
174	570256.7	4215631	6.74E-08	3.82E-08	1.06E-07	1.03E-08	5.81E-09	1.61E-08	4.64E-09	2.39E-09	7.03E-09
175	570273.2	4215623	6.96E-08	3.94E-08	1.09E-07	1.06E-08	5.99E-09	1.66E-08	4.79E-09	2.47E-09	7.26E-09
176	570281.5	4215620	7.32E-08	4.15E-08	1.15E-07	1.12E-08	6.31E-09	1.75E-08	5.05E-09	2.60E-09	7.64E-09
177	570298	4215612	8.19E-08	4.64E-08	1.28E-07	1.25E-08	7.06E-09	1.96E-08	5.65E-09	2.91E-09	8.55E-09
178	570306.2	4215609	8.73E-08	4.94E-08	1.37E-07	1.33E-08	7.52E-09	2.08E-08	6.01E-09	3.10E-09	9.11E-09
179	570314.5	4215605	9.27E-08	5.25E-08	1.45E-07	1.42E-08	7.99E-09	2.21E-08	6.39E-09	3.29E-09	9.67E-09

180	570244	4215644	5.84E-08	3.31E-08	9.15E-08	8.92E-09	5.03E-09	1.39E-08	4.02E-09	2.07E-09	6.09E-09
181	570227	4215647	5.46E-08	3.09E-08	8.55E-08	8.33E-09	4.70E-09	1.30E-08	3.76E-09	1.94E-09	5.70E-09
182	570210	4215649	5.04E-08	2.85E-08	7.89E-08	7.69E-09	4.34E-09	1.20E-08	3.47E-09	1.79E-09	5.26E-09
183	570193	4215651	4.65E-08	2.64E-08	7.29E-08	7.10E-09	4.01E-09	1.11E-08	3.21E-09	1.65E-09	4.86E-09
184	570176.1	4215653	4.31E-08	2.44E-08	6.75E-08	6.58E-09	3.71E-09	1.03E-08	2.97E-09	1.53E-09	4.50E-09
185	570159.1	4215655	4.06E-08	2.30E-08	6.35E-08	6.19E-09	3.49E-09	9.69E-09	2.79E-09	1.44E-09	4.23E-09
186	570142.1	4215657	3.84E-08	2.18E-08	6.02E-08	5.87E-09	3.31E-09	9.18E-09	2.65E-09	1.36E-09	4.01E-09
187	570125.2	4215659	3.66E-08	2.08E-08	5.74E-08	5.59E-09	3.16E-09	8.75E-09	2.52E-09	1.30E-09	3.82E-09
188	570260.7	4215640	6.37E-08	3.61E-08	9.98E-08	9.73E-09	5.49E-09	1.52E-08	4.39E-09	2.26E-09	6.65E-09
189	570269	4215636	6.72E-08	3.81E-08	1.05E-07	1.03E-08	5.79E-09	1.61E-08	4.63E-09	2.38E-09	7.01E-09
190	570277.2	4215633	6.65E-08	3.77E-08	1.04E-07	1.02E-08	5.73E-09	1.59E-08	4.58E-09	2.36E-09	6.94E-09
191	570293.7	4215625	7.35E-08	4.16E-08	1.15E-07	1.12E-08	6.33E-09	1.76E-08	5.06E-09	2.61E-09	7.67E-09
192	570310.3	4215618	8.25E-08	4.67E-08	1.29E-07	1.26E-08	7.11E-09	1.97E-08	5.68E-09	2.93E-09	8.61E-09
193	570326.8	4215611	9.59E-08	5.43E-08	1.50E-07	1.46E-08	8.26E-09	2.29E-08	6.61E-09	3.40E-09	1.00E-08
194	570247.7	4215654	5.54E-08	3.14E-08	8.68E-08	8.46E-09	4.77E-09	1.32E-08	3.82E-09	1.97E-09	5.78E-09
195	570230	4215656	5.14E-08	2.91E-08	8.06E-08	7.85E-09	4.43E-09	1.23E-08	3.54E-09	1.82E-09	5.37E-09
196	570212.4	4215658	4.74E-08	2.69E-08	7.43E-08	7.24E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.95E-09
197	570194.7	4215660	4.38E-08	2.48E-08	6.87E-08	6.69E-09	3.78E-09	1.05E-08	3.02E-09	1.55E-09	4.57E-09
198	570177.1	4215662	4.06E-08	2.30E-08	6.37E-08	6.21E-09	3.50E-09	9.71E-09	2.80E-09	1.44E-09	4.24E-09
199	570159.4	4215664	3.83E-08	2.17E-08	5.99E-08	5.84E-09	3.30E-09	9.14E-09	2.64E-09	1.36E-09	3.99E-09
200	570141.7	4215666	3.63E-08	2.05E-08	5.68E-08	5.54E-09	3.12E-09	8.66E-09	2.50E-09	1.29E-09	3.79E-09
201	570124.1	4215669	3.46E-08	1.96E-08	5.42E-08	5.28E-09	2.98E-09	8.26E-09	2.38E-09	1.23E-09	3.61E-09
202	570264.7	4215649	6.04E-08	3.42E-08	9.46E-08	9.22E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.30E-09
203	570281.3	4215642	6.70E-08	3.80E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.62E-09	2.38E-09	6.99E-09
204	570297.8	4215634	7.43E-08	4.21E-08	1.16E-07	1.13E-08	6.40E-09	1.77E-08	5.12E-09	2.63E-09	7.75E-09
205	570314.3	4215627	8.21E-08	4.65E-08	1.29E-07	1.25E-08	7.07E-09	1.96E-08	5.66E-09	2.91E-09	8.57E-09
206	570330.8	4215620	9.01E-08	5.11E-08	1.41E-07	1.38E-08	7.77E-09	2.15E-08	6.21E-09	3.20E-09	9.41E-09
207	570251.9	4215663	5.26E-08	2.98E-08	8.23E-08	8.03E-09	4.53E-09	1.26E-08	3.62E-09	1.86E-09	5.49E-09
208	570234.6	4215665	4.88E-08	2.77E-08	7.65E-08	7.45E-09	4.21E-09	1.17E-08	3.36E-09	1.73E-09	5.09E-09
209	570217.2	4215667	4.52E-08	2.56E-08	7.08E-08	6.90E-09	3.90E-09	1.08E-08	3.12E-09	1.60E-09	4.72E-09
210	570199.9	4215669	4.20E-08	2.38E-08	6.57E-08	6.41E-09	3.62E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
211	570182.6	4215671	3.91E-08	2.22E-08	6.12E-08	5.97E-09	3.37E-09	9.34E-09	2.69E-09	1.39E-09	4.08E-09
212	570165.3	4215673	3.68E-08	2.08E-08	5.76E-08	5.62E-09	3.17E-09	8.78E-09	2.53E-09	1.30E-09	3.84E-09
213	570148	4215675	3.49E-08	1.98E-08	5.47E-08	5.34E-09	3.01E-09	8.35E-09	2.41E-09	1.24E-09	3.65E-09
214	570130.7	4215677	3.33E-08	1.89E-08	5.22E-08	5.09E-09	2.87E-09	7.96E-09	2.30E-09	1.18E-09	3.48E-09
215	570113.4	4215680	3.19E-08	1.81E-08	5.00E-08	4.88E-09	2.75E-09	7.63E-09	2.20E-09	1.13E-09	3.33E-09
216	570268.8	4215658	5.73E-08	3.25E-08	8.98E-08	8.76E-09	4.94E-09	1.37E-08	3.95E-09	2.03E-09	5.98E-09
217	570277	4215654	6.03E-08	3.42E-08	9.45E-08	9.21E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.29E-09
218	570293.6	4215647	6.67E-08	3.78E-08	1.05E-07	1.02E-08	5.75E-09	1.59E-08	4.60E-09	2.37E-09	6.96E-09
219	570310.1	4215640	7.37E-08	4.18E-08	1.16E-07	1.13E-08	6.35E-09	1.76E-08	5.08E-09	2.62E-09	7.70E-09
220	570326.6	4215633	8.11E-08	4.60E-08	1.27E-07	1.24E-08	6.99E-09	1.94E-08	5.59E-09	2.88E-09	8.47E-09
221	570256	4215672	4.98E-08	2.82E-08	7.80E-08	7.60E-09	4.29E-09	1.19E-08	3.43E-09	1.77E-09	5.19E-09
222	570239	4215674	4.63E-08	2.62E-08	7.25E-08	7.07E-09	3.99E-09	1.11E-08	3.19E-09	1.64E-09	4.83E-09
223	570222	4215676	4.31E-08	2.44E-08	6.75E-08	6.58E-09	3.71E-09	1.03E-08	2.97E-09	1.53E-09	4.50E-09
224	570205	4215678	4.01E-08	2.27E-08	6.29E-08	6.13E-09	3.46E-09	9.59E-09	2.77E-09	1.42E-09	4.19E-09
225	570188	4215680	3.75E-08	2.13E-08	5.88E-08	5.73E-09	3.24E-09	8.97E-09	2.59E-09	1.33E-09	3.92E-09
226	570171	4215682	3.53E-08	2.00E-08	5.54E-08	5.40E-09	3.05E-09	8.44E-09	2.44E-09	1.25E-09	3.69E-09
227	570154	4215684	3.36E-08	1.91E-08	5.27E-08	5.14E-09	2.90E-09	8.03E-09	2.32E-09	1.19E-09	3.51E-09
228	570137	4215686	3.21E-08	1.82E-08	5.03E-08	4.91E-09	2.77E-09	7.67E-09	2.21E-09	1.14E-09	3.35E-09
229	570120	4215688	3.08E-08	1.75E-08	4.83E-08	4.71E-09	2.66E-09	7.36E-09	2.12E-09	1.09E-09	3.22E-09
230	570272.8	4215667	5.43E-08	3.08E-08	8.51E-08	8.30E-09	4.68E-09	1.30E-08	3.75E-09	1.93E-09	5.67E-09
231	570281.1	4215664	5.73E-08	3.24E-08	8.97E-08	8.75E-09	4.93E-09	1.37E-08	3.95E-09	2.03E-09	5.98E-09
232	570297.6	4215656	6.33E-08	3.58E-08	9.91E-08	9.66E-09	5.45E-09	1.51E-08	4.36E-09	2.24E-09	6.60E-09
233	570305.8	4215653	6.64E-08	3.76E-08	1.04E-07	1.01E-08	5.73E-09	1.59E-08	4.58E-09	2.36E-09	6.94E-09
234	570314.1	4215649	6.97E-08	3.95E-08	1.09E-07	1.06E-08	6.01E-09	1.67E-08	4.81E-09	2.47E-09	7.28E-09
235	570330.6	4215642	7.66E-08	4.34E-08	1.20E-07	1.17E-08	6.60E-09	1.83E-08	5.28E-09	2.72E-09	8.00E-09
236	570338.9	4215638	8.01E-08	4.54E-08	1.25E-07	1.22E-08	6.90E-09	1.91E-08	5.52E-09	2.84E-09	8.36E-09
237	570259.8	4215681	4.70E-08	2.66E-08	7.36E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
238	570242.2	4215683	4.36E-08	2.47E-08	6.82E-08	6.65E-09	3.75E-09	1.04E-08	3.00E-09	1.55E-09	4.55E-09
239	570224.5	4215685	4.05E-08	2.29E-08	6.34E-08	6.18E-09	3.49E-09	9.67E-09	2.79E-09	1.44E-09	4.23E-09
240	570206.9	4215687	3.78E-08	2.14E-08	5.92E-08	5.77E-09	3.26E-09	9.03E-09	2.60E-09	1.34E-09	3.95E-09

241	570189.3	4215690	3.55E-08	2.01E-08	5.56E-08	5.42E-09	3.06E-09	8.47E-09	2.44E-09	1.26E-09	3.70E-09
242	570171.7	4215692	3.35E-08	1.90E-08	5.25E-08	5.12E-09	2.89E-09	8.00E-09	2.31E-09	1.19E-09	3.50E-09
243	570154.1	4215694	3.19E-08	1.81E-08	4.99E-08	4.87E-09	2.75E-09	7.61E-09	2.20E-09	1.13E-09	3.33E-09
244	570136.5	4215696	3.05E-08	1.73E-08	4.77E-08	4.65E-09	2.62E-09	7.28E-09	2.10E-09	1.08E-09	3.18E-09
245	570118.8	4215698	2.93E-08	1.66E-08	4.58E-08	4.47E-09	2.52E-09	6.99E-09	2.02E-09	1.04E-09	3.05E-09
246	570276.8	4215676	5.13E-08	2.91E-08	8.04E-08	7.84E-09	4.42E-09	1.23E-08	3.54E-09	1.82E-09	5.36E-09
247	570285.1	4215673	5.41E-08	3.06E-08	8.47E-08	8.26E-09	4.66E-09	1.29E-08	3.73E-09	1.92E-09	5.65E-09
248	570293.4	4215669	5.70E-08	3.23E-08	8.92E-08	8.70E-09	4.91E-09	1.36E-08	3.92E-09	2.02E-09	5.94E-09
249	570309.9	4215662	6.29E-08	3.57E-08	9.86E-08	9.61E-09	5.42E-09	1.50E-08	4.34E-09	2.23E-09	6.57E-09
250	570318.1	4215658	6.60E-08	3.74E-08	1.03E-07	1.01E-08	5.69E-09	1.58E-08	4.55E-09	2.34E-09	6.89E-09
251	570334.6	4215651	7.23E-08	4.10E-08	1.13E-07	1.10E-08	6.23E-09	1.73E-08	4.98E-09	2.57E-09	7.55E-09
252	570264	4215690	4.43E-08	2.51E-08	6.94E-08	6.76E-09	3.82E-09	1.06E-08	3.05E-09	1.57E-09	4.62E-09
253	570246.6	4215692	4.12E-08	2.33E-08	6.45E-08	6.29E-09	3.55E-09	9.84E-09	2.84E-09	1.46E-09	4.30E-09
254	570229.3	4215694	3.84E-08	2.18E-08	6.02E-08	5.87E-09	3.31E-09	9.18E-09	2.65E-09	1.36E-09	4.01E-09
255	570212	4215697	3.60E-08	2.04E-08	5.64E-08	5.50E-09	3.10E-09	8.61E-09	2.48E-09	1.28E-09	3.76E-09
256	570194.7	4215699	3.40E-08	1.93E-08	5.32E-08	5.19E-09	2.93E-09	8.12E-09	2.34E-09	1.21E-09	3.55E-09
257	570177.4	4215701	3.23E-08	1.83E-08	5.05E-08	4.93E-09	2.78E-09	7.71E-09	2.22E-09	1.14E-09	3.37E-09
258	570160.1	4215703	3.07E-08	1.74E-08	4.82E-08	4.69E-09	2.65E-09	7.34E-09	2.12E-09	1.09E-09	3.21E-09
259	570142.8	4215705	2.94E-08	1.66E-08	4.60E-08	4.49E-09	2.53E-09	7.02E-09	2.03E-09	1.04E-09	3.07E-09
260	570125.5	4215707	2.83E-08	1.60E-08	4.43E-08	4.32E-09	2.44E-09	6.75E-09	1.95E-09	1.00E-09	2.95E-09
261	570108.1	4215709	2.72E-08	1.54E-08	4.27E-08	4.16E-09	2.35E-09	6.51E-09	1.88E-09	9.66E-10	2.84E-09
262	570280.9	4215686	4.84E-08	2.74E-08	7.58E-08	7.39E-09	4.17E-09	1.16E-08	3.33E-09	1.72E-09	5.05E-09
263	570297.4	4215678	5.37E-08	3.04E-08	8.42E-08	8.21E-09	4.63E-09	1.28E-08	3.70E-09	1.91E-09	5.61E-09
264	570305.6	4215675	5.66E-08	3.20E-08	8.86E-08	8.64E-09	4.87E-09	1.35E-08	3.90E-09	2.01E-09	5.90E-09
265	570322.2	4215667	6.23E-08	3.53E-08	9.77E-08	9.52E-09	5.37E-09	1.49E-08	4.30E-09	2.21E-09	6.51E-09
266	570330.4	4215664	6.52E-08	3.70E-08	1.02E-07	9.96E-09	5.62E-09	1.56E-08	4.50E-09	2.31E-09	6.81E-09
267	570346.9	4215656	7.11E-08	4.03E-08	1.11E-07	1.09E-08	6.13E-09	1.70E-08	4.90E-09	2.52E-09	7.42E-09
268	570267.7	4215699	4.17E-08	2.36E-08	6.53E-08	6.36E-09	3.59E-09	9.95E-09	2.87E-09	1.48E-09	4.35E-09
269	570249.8	4215702	3.88E-08	2.20E-08	6.07E-08	5.92E-09	3.34E-09	9.26E-09	2.67E-09	1.37E-09	4.04E-09
270	570231.9	4215704	3.61E-08	2.05E-08	5.66E-08	5.51E-09	3.11E-09	8.62E-09	2.49E-09	1.28E-09	3.77E-09
271	570223	4215705	3.50E-08	1.98E-08	5.48E-08	5.34E-09	3.02E-09	8.36E-09	2.41E-09	1.24E-09	3.65E-09
272	570214	4215706	3.40E-08	1.92E-08	5.32E-08	5.19E-09	2.93E-09	8.11E-09	2.34E-09	1.20E-09	3.54E-09
273	570196.1	4215708	3.22E-08	1.82E-08	5.04E-08	4.92E-09	2.77E-09	7.69E-09	2.22E-09	1.14E-09	3.36E-09
274	570178.3	4215710	3.07E-08	1.74E-08	4.81E-08	4.69E-09	2.65E-09	7.33E-09	2.12E-09	1.09E-09	3.21E-09
275	570169.3	4215711	3.00E-08	1.70E-08	4.70E-08	4.58E-09	2.58E-09	7.16E-09	2.07E-09	1.06E-09	3.13E-09
276	570151.4	4215713	2.86E-08	1.62E-08	4.48E-08	4.37E-09	2.47E-09	6.84E-09	1.97E-09	1.02E-09	2.99E-09
277	570133.5	4215716	2.74E-08	1.55E-08	4.30E-08	4.19E-09	2.36E-09	6.55E-09	1.89E-09	9.73E-10	2.86E-09
278	570115.6	4215718	2.64E-08	1.50E-08	4.14E-08	4.03E-09	2.28E-09	6.31E-09	1.82E-09	9.37E-10	2.76E-09
279	570284.9	4215695	4.56E-08	2.58E-08	7.14E-08	6.96E-09	3.93E-09	1.09E-08	3.14E-09	1.62E-09	4.76E-09
280	570293.2	4215691	4.81E-08	2.72E-08	7.53E-08	7.34E-09	4.14E-09	1.15E-08	3.31E-09	1.70E-09	5.02E-09
281	570309.7	4215684	5.33E-08	3.02E-08	8.35E-08	8.14E-09	4.59E-09	1.27E-08	3.67E-09	1.89E-09	5.57E-09
282	570317.9	4215680	5.61E-08	3.18E-08	8.79E-08	8.56E-09	4.83E-09	1.34E-08	3.86E-09	1.99E-09	5.85E-09
283	570334.5	4215673	6.16E-08	3.49E-08	9.65E-08	9.40E-09	5.31E-09	1.47E-08	4.24E-09	2.18E-09	6.43E-09
284	570342.7	4215669	6.43E-08	3.64E-08	1.01E-07	9.82E-09	5.54E-09	1.54E-08	4.43E-09	2.28E-09	6.71E-09
285	570282.2	4215444	3.63E-07	2.06E-07	5.69E-07	5.54E-08	3.13E-08	8.67E-08	2.50E-08	1.29E-08	3.79E-08
286	570275.6	4215451	3.53E-07	2.00E-07	5.53E-07	5.39E-08	3.04E-08	8.44E-08	2.43E-08	1.25E-08	3.69E-08
287	570268.9	4215458	3.40E-07	1.93E-07	5.33E-07	5.19E-08	2.93E-08	8.12E-08	2.34E-08	1.21E-08	3.55E-08
288	570298.6	4215441	3.46E-07	1.96E-07	5.43E-07	5.29E-08	2.99E-08	8.28E-08	2.39E-08	1.23E-08	3.62E-08
289	570292.2	4215447	3.41E-07	1.93E-07	5.34E-07	5.21E-08	2.94E-08	8.15E-08	2.35E-08	1.21E-08	3.56E-08
290	570285.7	4215454	3.34E-07	1.89E-07	5.23E-07	5.10E-08	2.88E-08	7.97E-08	2.30E-08	1.18E-08	3.48E-08
291	570279.2	4215460	3.24E-07	1.83E-07	5.07E-07	4.94E-08	2.79E-08	7.73E-08	2.23E-08	1.15E-08	3.38E-08
292	570272.8	4215467	3.11E-07	1.76E-07	4.87E-07	4.75E-08	2.68E-08	7.43E-08	2.14E-08	1.10E-08	3.24E-08
293	570308.3	4215444	3.27E-07	1.85E-07	5.12E-07	4.99E-08	2.82E-08	7.81E-08	2.25E-08	1.16E-08	3.41E-08
294	570302	4215450	3.22E-07	1.83E-07	5.05E-07	4.92E-08	2.78E-08	7.70E-08	2.22E-08	1.14E-08	3.37E-08
295	570295.6	4215457	3.16E-07	1.79E-07	4.95E-07	4.82E-08	2.72E-08	7.54E-08	2.18E-08	1.12E-08	3.30E-08
296	570289.3	4215463	3.08E-07	1.74E-07	4.82E-07	4.70E-08	2.65E-08	7.35E-08	2.12E-08	1.09E-08	3.21E-08
297	570276.6	4215476	2.84E-07	1.61E-07	4.44E-07	4.33E-08	2.44E-08	6.78E-08	1.95E-08	1.01E-08	2.96E-08
298	570322.7	4215443	3.11E-07	1.76E-07	4.86E-07	4.74E-08	2.68E-08	7.42E-08	2.14E-08	1.10E-08	3.24E-08
299	570315.8	4215450	3.08E-07	1.74E-07	4.82E-07	4.70E-08	2.65E-08	7.36E-08	2.12E-08	1.09E-08	3.21E-08
300	570308.9	4215457	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.24E-08	2.09E-08	1.08E-08	3.17E-08
301	570302	4215464	2.96E-07	1.68E-07	4.64E-07	4.52E-08	2.55E-08	7.08E-08	2.04E-08	1.05E-08	3.09E-08

302	570295.1	4215471	2.87E-07	1.62E-07	4.49E-07	4.38E-08	2.47E-08	6.85E-08	1.98E-08	1.02E-08	2.99E-08
303	570288.2	4215478	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.57E-08	1.90E-08	9.76E-09	2.87E-08
304	570281.3	4215485	2.61E-07	1.48E-07	4.09E-07	3.99E-08	2.25E-08	6.24E-08	1.80E-08	9.27E-09	2.73E-08
305	570339	4215439	2.91E-07	1.65E-07	4.55E-07	4.44E-08	2.50E-08	6.94E-08	2.00E-08	1.03E-08	3.03E-08
306	570332.2	4215446	2.93E-07	1.66E-07	4.58E-07	4.47E-08	2.52E-08	6.99E-08	2.02E-08	1.04E-08	3.05E-08
307	570325.5	4215453	2.92E-07	1.65E-07	4.57E-07	4.45E-08	2.51E-08	6.97E-08	2.01E-08	1.03E-08	3.05E-08
308	570318.8	4215460	2.88E-07	1.63E-07	4.51E-07	4.40E-08	2.48E-08	6.88E-08	1.99E-08	1.02E-08	3.01E-08
309	570312	4215467	2.82E-07	1.60E-07	4.42E-07	4.31E-08	2.43E-08	6.75E-08	1.95E-08	1.00E-08	2.95E-08
310	570305.3	4215474	2.75E-07	1.56E-07	4.30E-07	4.20E-08	2.37E-08	6.56E-08	1.89E-08	9.75E-09	2.87E-08
311	570298.6	4215480	2.65E-07	1.50E-07	4.15E-07	4.04E-08	2.28E-08	6.33E-08	1.83E-08	9.40E-09	2.76E-08
312	570291.8	4215487	2.53E-07	1.43E-07	3.97E-07	3.86E-08	2.18E-08	6.05E-08	1.74E-08	8.98E-09	2.64E-08
313	570285.1	4215494	2.40E-07	1.36E-07	3.76E-07	3.67E-08	2.07E-08	5.74E-08	1.65E-08	8.52E-09	2.51E-08
314	570355.7	4215399	2.92E-07	1.65E-07	4.58E-07	4.46E-08	2.52E-08	6.98E-08	2.01E-08	1.04E-08	3.05E-08
315	570355.5	4215408	2.86E-07	1.62E-07	4.48E-07	4.37E-08	2.47E-08	6.84E-08	1.97E-08	1.02E-08	2.99E-08
316	570355.3	4215418	2.82E-07	1.60E-07	4.41E-07	4.30E-08	2.43E-08	6.73E-08	1.94E-08	9.99E-09	2.94E-08
317	570348.3	4215443	2.75E-07	1.56E-07	4.30E-07	4.19E-08	2.37E-08	6.56E-08	1.89E-08	9.74E-09	2.87E-08
318	570341.7	4215450	2.77E-07	1.57E-07	4.33E-07	4.23E-08	2.38E-08	6.61E-08	1.91E-08	9.81E-09	2.89E-08
319	570335.1	4215457	2.77E-07	1.57E-07	4.33E-07	4.22E-08	2.38E-08	6.61E-08	1.91E-08	9.81E-09	2.89E-08
320	570328.5	4215463	2.74E-07	1.55E-07	4.29E-07	4.19E-08	2.36E-08	6.55E-08	1.89E-08	9.72E-09	2.86E-08
321	570322	4215470	2.69E-07	1.53E-07	4.22E-07	4.11E-08	2.32E-08	6.44E-08	1.86E-08	9.56E-09	2.81E-08
322	570315.4	4215477	2.63E-07	1.49E-07	4.13E-07	4.02E-08	2.27E-08	6.29E-08	1.81E-08	9.34E-09	2.75E-08
323	570308.8	4215483	2.55E-07	1.45E-07	4.00E-07	3.90E-08	2.20E-08	6.10E-08	1.76E-08	9.05E-09	2.66E-08
324	570302.2	4215490	2.45E-07	1.39E-07	3.84E-07	3.75E-08	2.11E-08	5.86E-08	1.69E-08	8.70E-09	2.56E-08
325	570295.6	4215497	2.34E-07	1.32E-07	3.66E-07	3.57E-08	2.01E-08	5.58E-08	1.61E-08	8.29E-09	2.44E-08
326	570289	4215503	2.22E-07	1.26E-07	3.48E-07	3.39E-08	1.91E-08	5.30E-08	1.53E-08	7.87E-09	2.32E-08
327	570365.1	4215394	2.79E-07	1.58E-07	4.38E-07	4.27E-08	2.41E-08	6.67E-08	1.92E-08	9.91E-09	2.92E-08
328	570364.9	4215404	2.75E-07	1.56E-07	4.30E-07	4.19E-08	2.37E-08	6.56E-08	1.89E-08	9.74E-09	2.87E-08
329	570364.7	4215413	2.71E-07	1.53E-07	4.24E-07	4.13E-08	2.33E-08	6.46E-08	1.86E-08	9.60E-09	2.82E-08
330	570357.6	4215447	2.60E-07	1.48E-07	4.08E-07	3.98E-08	2.24E-08	6.22E-08	1.79E-08	9.24E-09	2.72E-08
331	570351.2	4215454	2.63E-07	1.49E-07	4.12E-07	4.01E-08	2.26E-08	6.28E-08	1.81E-08	9.32E-09	2.74E-08
332	570344.7	4215460	2.63E-07	1.49E-07	4.13E-07	4.02E-08	2.27E-08	6.29E-08	1.81E-08	9.34E-09	2.75E-08
333	570338.2	4215467	2.62E-07	1.48E-07	4.10E-07	4.00E-08	2.25E-08	6.25E-08	1.80E-08	9.28E-09	2.73E-08
334	570331.8	4215473	2.58E-07	1.46E-07	4.04E-07	3.94E-08	2.22E-08	6.16E-08	1.78E-08	9.15E-09	2.69E-08
335	570325.3	4215480	2.53E-07	1.43E-07	3.96E-07	3.86E-08	2.18E-08	6.03E-08	1.74E-08	8.96E-09	2.64E-08
336	570318.8	4215486	2.46E-07	1.39E-07	3.85E-07	3.75E-08	2.12E-08	5.87E-08	1.69E-08	8.72E-09	2.57E-08
337	570312.3	4215493	2.37E-07	1.35E-07	3.72E-07	3.63E-08	2.05E-08	5.67E-08	1.64E-08	8.42E-09	2.48E-08
338	570305.9	4215499	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.44E-08	1.57E-08	8.07E-09	2.38E-08
339	570299.4	4215506	2.17E-07	1.23E-07	3.40E-07	3.31E-08	1.87E-08	5.18E-08	1.49E-08	7.70E-09	2.26E-08
340	570292.9	4215513	2.06E-07	1.16E-07	3.22E-07	3.14E-08	1.77E-08	4.91E-08	1.42E-08	7.29E-09	2.15E-08
341	570374.4	4215395	2.65E-07	1.50E-07	4.15E-07	4.04E-08	2.28E-08	6.32E-08	1.82E-08	9.39E-09	2.76E-08
342	570374.2	4215405	2.61E-07	1.48E-07	4.08E-07	3.98E-08	2.25E-08	6.23E-08	1.80E-08	9.25E-09	2.72E-08
343	570374	4215415	2.57E-07	1.46E-07	4.03E-07	3.93E-08	2.22E-08	6.15E-08	1.77E-08	9.13E-09	2.69E-08
344	570366.4	4215451	2.48E-07	1.40E-07	3.88E-07	3.78E-08	2.14E-08	5.92E-08	1.71E-08	8.79E-09	2.59E-08
345	570359.5	4215458	2.50E-07	1.42E-07	3.92E-07	3.82E-08	2.16E-08	5.98E-08	1.73E-08	8.88E-09	2.61E-08
346	570352.6	4215465	2.52E-07	1.43E-07	3.94E-07	3.84E-08	2.17E-08	6.01E-08	1.73E-08	8.92E-09	2.63E-08
347	570345.7	4215472	2.49E-07	1.41E-07	3.91E-07	3.81E-08	2.15E-08	5.96E-08	1.72E-08	8.84E-09	2.60E-08
348	570338.8	4215479	2.45E-07	1.39E-07	3.84E-07	3.75E-08	2.11E-08	5.86E-08	1.69E-08	8.71E-09	2.56E-08
349	570331.9	4215486	2.40E-07	1.36E-07	3.76E-07	3.66E-08	2.07E-08	5.73E-08	1.65E-08	8.51E-09	2.50E-08
350	570325	4215493	2.33E-07	1.32E-07	3.65E-07	3.55E-08	2.01E-08	5.56E-08	1.60E-08	8.25E-09	2.43E-08
351	570318.1	4215500	2.24E-07	1.27E-07	3.51E-07	3.42E-08	1.93E-08	5.35E-08	1.54E-08	7.94E-09	2.34E-08
352	570311.2	4215507	2.14E-07	1.21E-07	3.35E-07	3.27E-08	1.84E-08	5.11E-08	1.47E-08	7.59E-09	2.23E-08
353	570304.3	4215514	2.03E-07	1.15E-07	3.18E-07	3.10E-08	1.75E-08	4.85E-08	1.40E-08	7.21E-09	2.12E-08
354	570297.4	4215521	1.92E-07	1.09E-07	3.00E-07	2.93E-08	1.65E-08	4.58E-08	1.32E-08	6.80E-09	2.00E-08
355	570383.8	4215390	2.53E-07	1.43E-07	3.96E-07	3.86E-08	2.18E-08	6.04E-08	1.74E-08	8.98E-09	2.64E-08
356	570383.6	4215400	2.50E-07	1.42E-07	3.92E-07	3.82E-08	2.16E-08	5.98E-08	1.72E-08	8.88E-09	2.61E-08
357	570383.4	4215410	2.47E-07	1.40E-07	3.87E-07	3.78E-08	2.13E-08	5.91E-08	1.70E-08	8.77E-09	2.58E-08
358	570382.7	4215439	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
359	570375.8	4215455	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.03E-08	5.64E-08	1.63E-08	8.38E-09	2.46E-08
360	570369	4215462	2.39E-07	1.35E-07	3.74E-07	3.64E-08	2.06E-08	5.70E-08	1.64E-08	8.46E-09	2.49E-08
361	570362.2	4215469	2.40E-07	1.36E-07	3.75E-07	3.66E-08	2.06E-08	5.72E-08	1.65E-08	8.50E-09	2.50E-08
362	570355.4	4215476	2.39E-07	1.35E-07	3.74E-07	3.64E-08	2.06E-08	5.70E-08	1.64E-08	8.47E-09	2.49E-08

363	570348.7	4215483	2.36E-07	1.33E-07	3.69E-07	3.60E-08	2.03E-08	5.63E-08	1.62E-08	8.36E-09	2.46E-08
364	570341.9	4215489	2.31E-07	1.31E-07	3.62E-07	3.53E-08	1.99E-08	5.52E-08	1.59E-08	8.19E-09	2.41E-08
365	570335.1	4215496	2.25E-07	1.27E-07	3.52E-07	3.43E-08	1.94E-08	5.37E-08	1.55E-08	7.98E-09	2.35E-08
366	570328.4	4215503	2.17E-07	1.23E-07	3.40E-07	3.32E-08	1.87E-08	5.19E-08	1.50E-08	7.70E-09	2.27E-08
367	570321.6	4215510	2.08E-07	1.18E-07	3.26E-07	3.18E-08	1.79E-08	4.98E-08	1.44E-08	7.39E-09	2.17E-08
368	570314.8	4215517	1.99E-07	1.13E-07	3.11E-07	3.03E-08	1.71E-08	4.75E-08	1.37E-08	7.05E-09	2.07E-08
369	570308.1	4215524	1.89E-07	1.07E-07	2.95E-07	2.88E-08	1.62E-08	4.50E-08	1.30E-08	6.69E-09	1.97E-08
370	570301.3	4215531	1.79E-07	1.01E-07	2.80E-07	2.73E-08	1.54E-08	4.26E-08	1.23E-08	6.33E-09	1.86E-08
371	570393	4215395	2.40E-07	1.36E-07	3.75E-07	3.66E-08	2.06E-08	5.72E-08	1.65E-08	8.50E-09	2.50E-08
372	570392.8	4215405	2.37E-07	1.34E-07	3.71E-07	3.62E-08	2.04E-08	5.66E-08	1.63E-08	8.41E-09	2.47E-08
373	570392.6	4215414	2.35E-07	1.33E-07	3.68E-07	3.58E-08	2.02E-08	5.61E-08	1.62E-08	8.32E-09	2.45E-08
374	570392	4215443	2.25E-07	1.28E-07	3.53E-07	3.44E-08	1.94E-08	5.38E-08	1.55E-08	7.99E-09	2.35E-08
375	570385.1	4215459	2.25E-07	1.28E-07	3.53E-07	3.44E-08	1.94E-08	5.38E-08	1.55E-08	7.99E-09	2.35E-08
376	570378.4	4215466	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.44E-08	1.57E-08	8.08E-09	2.38E-08
377	570371.8	4215472	2.28E-07	1.29E-07	3.58E-07	3.49E-08	1.97E-08	5.46E-08	1.57E-08	8.10E-09	2.38E-08
378	570365.1	4215479	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.44E-08	1.57E-08	8.08E-09	2.38E-08
379	570358.5	4215486	2.26E-07	1.28E-07	3.54E-07	3.45E-08	1.95E-08	5.40E-08	1.56E-08	8.01E-09	2.36E-08
380	570351.8	4215493	2.22E-07	1.26E-07	3.48E-07	3.39E-08	1.92E-08	5.31E-08	1.53E-08	7.89E-09	2.32E-08
381	570345.1	4215499	2.17E-07	1.23E-07	3.40E-07	3.31E-08	1.87E-08	5.19E-08	1.50E-08	7.70E-09	2.27E-08
382	570338.5	4215506	2.10E-07	1.19E-07	3.30E-07	3.21E-08	1.81E-08	5.03E-08	1.45E-08	7.47E-09	2.20E-08
383	570331.8	4215513	2.03E-07	1.15E-07	3.18E-07	3.10E-08	1.75E-08	4.84E-08	1.40E-08	7.19E-09	2.12E-08
384	570325.2	4215520	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.88E-09	2.02E-08
385	570318.5	4215526	1.85E-07	1.05E-07	2.89E-07	2.82E-08	1.59E-08	4.41E-08	1.27E-08	6.55E-09	1.93E-08
386	570311.9	4215533	1.76E-07	9.97E-08	2.76E-07	2.69E-08	1.52E-08	4.20E-08	1.21E-08	6.24E-09	1.84E-08
387	570305.2	4215540	1.67E-07	9.44E-08	2.61E-07	2.54E-08	1.44E-08	3.98E-08	1.15E-08	5.91E-09	1.74E-08
388	570402.4	4215391	2.29E-07	1.30E-07	3.59E-07	3.50E-08	1.98E-08	5.48E-08	1.58E-08	8.13E-09	2.39E-08
389	570402.2	4215400	2.27E-07	1.29E-07	3.56E-07	3.47E-08	1.96E-08	5.43E-08	1.57E-08	8.06E-09	2.37E-08
390	570402	4215409	2.25E-07	1.28E-07	3.53E-07	3.44E-08	1.94E-08	5.38E-08	1.55E-08	7.99E-09	2.35E-08
391	570401.2	4215447	2.15E-07	1.22E-07	3.37E-07	3.28E-08	1.85E-08	5.14E-08	1.48E-08	7.63E-09	2.24E-08
392	570394.4	4215463	2.15E-07	1.22E-07	3.36E-07	3.28E-08	1.85E-08	5.13E-08	1.48E-08	7.62E-09	2.24E-08
393	570387.8	4215469	2.17E-07	1.23E-07	3.40E-07	3.31E-08	1.87E-08	5.19E-08	1.50E-08	7.70E-09	2.27E-08
394	570381.3	4215476	2.18E-07	1.24E-07	3.42E-07	3.33E-08	1.88E-08	5.21E-08	1.50E-08	7.74E-09	2.28E-08
395	570374.7	4215483	2.18E-07	1.23E-07	3.41E-07	3.33E-08	1.88E-08	5.21E-08	1.50E-08	7.73E-09	2.28E-08
396	570368.2	4215489	2.16E-07	1.23E-07	3.39E-07	3.30E-08	1.86E-08	5.17E-08	1.49E-08	7.68E-09	2.26E-08
397	570361.6	4215496	2.14E-07	1.21E-07	3.35E-07	3.26E-08	1.84E-08	5.10E-08	1.47E-08	7.58E-09	2.23E-08
398	570355	4215503	2.09E-07	1.19E-07	3.28E-07	3.20E-08	1.80E-08	5.00E-08	1.44E-08	7.43E-09	2.19E-08
399	570348.5	4215509	2.04E-07	1.15E-07	3.19E-07	3.11E-08	1.76E-08	4.87E-08	1.40E-08	7.23E-09	2.13E-08
400	570341.9	4215516	1.97E-07	1.12E-07	3.09E-07	3.01E-08	1.70E-08	4.71E-08	1.36E-08	6.99E-09	2.06E-08
401	570335.4	4215523	1.89E-07	1.07E-07	2.97E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.72E-09	1.98E-08
402	570328.8	4215529	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.42E-09	1.89E-08
403	570322.3	4215536	1.73E-07	9.79E-08	2.71E-07	2.64E-08	1.49E-08	4.13E-08	1.19E-08	6.13E-09	1.80E-08
404	570315.7	4215542	1.64E-07	9.31E-08	2.57E-07	2.51E-08	1.42E-08	3.92E-08	1.13E-08	5.83E-09	1.71E-08
405	570309.1	4215549	1.55E-07	8.80E-08	2.43E-07	2.37E-08	1.34E-08	3.71E-08	1.07E-08	5.51E-09	1.62E-08
406	570411.7	4215391	2.19E-07	1.24E-07	3.42E-07	3.34E-08	1.88E-08	5.22E-08	1.51E-08	7.75E-09	2.28E-08
407	570411.5	4215401	2.17E-07	1.23E-07	3.40E-07	3.31E-08	1.87E-08	5.18E-08	1.49E-08	7.69E-09	2.26E-08
408	570411.3	4215411	2.15E-07	1.22E-07	3.37E-07	3.28E-08	1.85E-08	5.14E-08	1.48E-08	7.63E-09	2.24E-08
409	570410.6	4215440	2.08E-07	1.18E-07	3.26E-07	3.18E-08	1.79E-08	4.97E-08	1.44E-08	7.39E-09	2.17E-08
410	570410.4	4215450	2.05E-07	1.16E-07	3.22E-07	3.14E-08	1.77E-08	4.91E-08	1.42E-08	7.29E-09	2.14E-08
411	570403.3	4215467	2.05E-07	1.16E-07	3.21E-07	3.13E-08	1.77E-08	4.90E-08	1.41E-08	7.28E-09	2.14E-08
412	570396.3	4215474	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.95E-08	1.43E-08	7.35E-09	2.16E-08
413	570389.4	4215481	2.08E-07	1.18E-07	3.26E-07	3.18E-08	1.80E-08	4.98E-08	1.44E-08	7.39E-09	2.17E-08
414	570382.5	4215488	2.09E-07	1.18E-07	3.27E-07	3.19E-08	1.80E-08	4.98E-08	1.44E-08	7.40E-09	2.18E-08
415	570375.6	4215495	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.94E-08	1.43E-08	7.34E-09	2.16E-08
416	570368.7	4215502	2.04E-07	1.15E-07	3.19E-07	3.11E-08	1.76E-08	4.87E-08	1.40E-08	7.23E-09	2.13E-08
417	570361.8	4215509	1.99E-07	1.13E-07	3.12E-07	3.05E-08	1.72E-08	4.76E-08	1.37E-08	7.07E-09	2.08E-08
418	570354.9	4215516	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.64E-08	1.34E-08	6.89E-09	2.03E-08
419	570348	4215523	1.87E-07	1.06E-07	2.94E-07	2.86E-08	1.61E-08	4.48E-08	1.29E-08	6.65E-09	1.96E-08
420	570341.1	4215530	1.80E-07	1.02E-07	2.82E-07	2.74E-08	1.55E-08	4.29E-08	1.24E-08	6.38E-09	1.88E-08
421	570334.2	4215537	1.72E-07	9.72E-08	2.69E-07	2.62E-08	1.48E-08	4.10E-08	1.18E-08	6.09E-09	1.79E-08
422	570327.3	4215544	1.63E-07	9.24E-08	2.56E-07	2.49E-08	1.41E-08	3.90E-08	1.12E-08	5.79E-09	1.70E-08
423	570320.4	4215551	1.54E-07	8.74E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.06E-08	5.47E-09	1.61E-08

424	570313.5	4215558	1.45E-07	8.23E-08	2.28E-07	2.22E-08	1.25E-08	3.47E-08	1.00E-08	5.15E-09	1.52E-08
425	570421.1	4215386	2.09E-07	1.19E-07	3.28E-07	3.19E-08	1.80E-08	5.00E-08	1.44E-08	7.42E-09	2.18E-08
426	570420.9	4215396	2.08E-07	1.18E-07	3.26E-07	3.18E-08	1.79E-08	4.97E-08	1.43E-08	7.39E-09	2.17E-08
427	570420.7	4215406	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.94E-08	1.42E-08	7.33E-09	2.16E-08
428	570420.5	4215415	2.05E-07	1.16E-07	3.22E-07	3.13E-08	1.77E-08	4.90E-08	1.41E-08	7.28E-09	2.14E-08
429	570419.8	4215444	1.99E-07	1.13E-07	3.11E-07	3.03E-08	1.71E-08	4.75E-08	1.37E-08	7.05E-09	2.07E-08
430	570419.6	4215454	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.68E-08	1.35E-08	6.96E-09	2.05E-08
431	570412.6	4215471	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.67E-08	1.35E-08	6.94E-09	2.04E-08
432	570405.8	4215478	1.97E-07	1.12E-07	3.09E-07	3.02E-08	1.70E-08	4.72E-08	1.36E-08	7.01E-09	2.06E-08
433	570399	4215484	1.99E-07	1.13E-07	3.11E-07	3.03E-08	1.71E-08	4.75E-08	1.37E-08	7.05E-09	2.07E-08
434	570392.2	4215491	1.99E-07	1.13E-07	3.12E-07	3.04E-08	1.72E-08	4.76E-08	1.37E-08	7.06E-09	2.08E-08
435	570385.4	4215498	1.98E-07	1.12E-07	3.11E-07	3.03E-08	1.71E-08	4.74E-08	1.37E-08	7.04E-09	2.07E-08
436	570378.6	4215505	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.68E-08	1.35E-08	6.95E-09	2.04E-08
437	570371.8	4215512	1.92E-07	1.09E-07	3.01E-07	2.93E-08	1.65E-08	4.59E-08	1.32E-08	6.81E-09	2.00E-08
438	570365	4215519	1.87E-07	1.06E-07	2.94E-07	2.86E-08	1.61E-08	4.48E-08	1.29E-08	6.65E-09	1.96E-08
439	570358.2	4215526	1.82E-07	1.03E-07	2.85E-07	2.78E-08	1.57E-08	4.35E-08	1.25E-08	6.45E-09	1.90E-08
440	570351.4	4215533	1.76E-07	9.94E-08	2.75E-07	2.68E-08	1.51E-08	4.19E-08	1.21E-08	6.23E-09	1.83E-08
441	570344.6	4215540	1.68E-07	9.53E-08	2.63E-07	2.57E-08	1.45E-08	4.02E-08	1.16E-08	5.97E-09	1.76E-08
442	570337.8	4215547	1.60E-07	9.09E-08	2.51E-07	2.45E-08	1.38E-08	3.83E-08	1.11E-08	5.69E-09	1.67E-08
443	570331	4215553	1.52E-07	8.63E-08	2.39E-07	2.33E-08	1.31E-08	3.64E-08	1.05E-08	5.40E-09	1.59E-08
444	570324.2	4215560	1.44E-07	8.15E-08	2.25E-07	2.20E-08	1.24E-08	3.44E-08	9.91E-09	5.10E-09	1.50E-08
445	570317.4	4215567	1.35E-07	7.64E-08	2.11E-07	2.06E-08	1.16E-08	3.22E-08	9.29E-09	4.78E-09	1.41E-08
446	570430.5	4215382	2.00E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.78E-08	1.38E-08	7.09E-09	2.09E-08
447	570430.3	4215391	2.00E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.77E-08	1.38E-08	7.08E-09	2.08E-08
448	570430.1	4215401	1.99E-07	1.13E-07	3.12E-07	3.04E-08	1.71E-08	4.75E-08	1.37E-08	7.05E-09	2.08E-08
449	570429.9	4215410	1.98E-07	1.12E-07	3.10E-07	3.02E-08	1.70E-08	4.72E-08	1.36E-08	7.01E-09	2.06E-08
450	570429.2	4215439	1.92E-07	1.09E-07	3.00E-07	2.93E-08	1.65E-08	4.58E-08	1.32E-08	6.80E-09	2.00E-08
451	570429	4215449	1.90E-07	1.07E-07	2.97E-07	2.90E-08	1.63E-08	4.53E-08	1.31E-08	6.73E-09	1.98E-08
452	570428.8	4215458	1.87E-07	1.06E-07	2.93E-07	2.86E-08	1.61E-08	4.47E-08	1.29E-08	6.64E-09	1.95E-08
453	570421.9	4215474	1.86E-07	1.06E-07	2.92E-07	2.85E-08	1.61E-08	4.45E-08	1.28E-08	6.61E-09	1.95E-08
454	570415.2	4215481	1.88E-07	1.07E-07	2.95E-07	2.88E-08	1.62E-08	4.50E-08	1.30E-08	6.68E-09	1.97E-08
455	570408.5	4215488	1.90E-07	1.07E-07	2.97E-07	2.90E-08	1.63E-08	4.53E-08	1.31E-08	6.73E-09	1.98E-08
456	570401.8	4215495	1.90E-07	1.08E-07	2.98E-07	2.90E-08	1.64E-08	4.54E-08	1.31E-08	6.74E-09	1.98E-08
457	570395.1	4215502	1.89E-07	1.07E-07	2.97E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.72E-09	1.98E-08
458	570388.4	4215508	1.88E-07	1.06E-07	2.94E-07	2.87E-08	1.62E-08	4.48E-08	1.29E-08	6.66E-09	1.96E-08
459	570381.7	4215515	1.85E-07	1.05E-07	2.90E-07	2.82E-08	1.59E-08	4.42E-08	1.27E-08	6.56E-09	1.93E-08
460	570375	4215522	1.81E-07	1.02E-07	2.83E-07	2.76E-08	1.56E-08	4.32E-08	1.25E-08	6.41E-09	1.89E-08
461	570368.3	4215529	1.76E-07	9.97E-08	2.76E-07	2.69E-08	1.52E-08	4.20E-08	1.21E-08	6.24E-09	1.84E-08
462	570361.6	4215536	1.70E-07	9.65E-08	2.67E-07	2.60E-08	1.47E-08	4.07E-08	1.17E-08	6.04E-09	1.78E-08
463	570354.9	4215542	1.64E-07	9.30E-08	2.57E-07	2.51E-08	1.42E-08	3.92E-08	1.13E-08	5.83E-09	1.71E-08
464	570348.2	4215549	1.57E-07	8.91E-08	2.46E-07	2.40E-08	1.35E-08	3.76E-08	1.08E-08	5.58E-09	1.64E-08
465	570341.5	4215556	1.50E-07	8.48E-08	2.35E-07	2.29E-08	1.29E-08	3.58E-08	1.03E-08	5.31E-09	1.56E-08
466	570334.8	4215563	1.42E-07	8.04E-08	2.22E-07	2.17E-08	1.22E-08	3.39E-08	9.78E-09	5.03E-09	1.48E-08
467	570328.1	4215570	1.34E-07	7.57E-08	2.09E-07	2.04E-08	1.15E-08	3.19E-08	9.21E-09	4.74E-09	1.40E-08
468	570321.4	4215576	1.25E-07	7.10E-08	1.96E-07	1.91E-08	1.08E-08	2.99E-08	8.63E-09	4.44E-09	1.31E-08
469	570439.7	4215387	1.91E-07	1.08E-07	2.99E-07	2.92E-08	1.65E-08	4.57E-08	1.32E-08	6.78E-09	2.00E-08
470	570439.5	4215396	1.91E-07	1.08E-07	2.99E-07	2.92E-08	1.65E-08	4.56E-08	1.32E-08	6.77E-09	1.99E-08
471	570439.3	4215406	1.90E-07	1.08E-07	2.98E-07	2.91E-08	1.64E-08	4.55E-08	1.31E-08	6.75E-09	1.99E-08
472	570439.1	4215415	1.89E-07	1.07E-07	2.96E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.71E-09	1.97E-08
473	570438.4	4215443	1.83E-07	1.04E-07	2.87E-07	2.80E-08	1.58E-08	4.38E-08	1.26E-08	6.50E-09	1.91E-08
474	570438.2	4215453	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.43E-09	1.89E-08
475	570438	4215462	1.79E-07	1.01E-07	2.80E-07	2.73E-08	1.54E-08	4.27E-08	1.23E-08	6.34E-09	1.87E-08
476	570431.2	4215478	1.78E-07	1.01E-07	2.78E-07	2.71E-08	1.53E-08	4.24E-08	1.22E-08	6.30E-09	1.85E-08
477	570424.6	4215485	1.79E-07	1.02E-07	2.81E-07	2.74E-08	1.54E-08	4.28E-08	1.24E-08	6.36E-09	1.87E-08
478	570417.9	4215492	1.81E-07	1.02E-07	2.83E-07	2.76E-08	1.56E-08	4.32E-08	1.25E-08	6.41E-09	1.89E-08
479	570411.3	4215498	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.44E-09	1.89E-08
480	570404.7	4215505	1.81E-07	1.02E-07	2.83E-07	2.76E-08	1.56E-08	4.32E-08	1.25E-08	6.42E-09	1.89E-08
481	570398.1	4215512	1.80E-07	1.02E-07	2.81E-07	2.74E-08	1.55E-08	4.29E-08	1.24E-08	6.37E-09	1.87E-08
482	570391.5	4215519	1.77E-07	1.00E-07	2.78E-07	2.71E-08	1.53E-08	4.24E-08	1.22E-08	6.29E-09	1.85E-08
483	570384.9	4215525	1.74E-07	9.87E-08	2.73E-07	2.66E-08	1.50E-08	4.16E-08	1.20E-08	6.18E-09	1.82E-08
484	570378.2	4215532	1.70E-07	9.63E-08	2.66E-07	2.60E-08	1.46E-08	4.06E-08	1.17E-08	6.03E-09	1.77E-08

485	570371.6	4215539	1.65E-07	9.35E-08	2.58E-07	2.52E-08	1.42E-08	3.94E-08	1.14E-08	5.85E-09	1.72E-08
486	570365	4215545	1.59E-07	9.04E-08	2.50E-07	2.44E-08	1.37E-08	3.81E-08	1.10E-08	5.66E-09	1.66E-08
487	570358.4	4215552	1.53E-07	8.70E-08	2.40E-07	2.34E-08	1.32E-08	3.67E-08	1.06E-08	5.44E-09	1.60E-08
488	570351.8	4215559	1.47E-07	8.32E-08	2.30E-07	2.24E-08	1.27E-08	3.51E-08	1.01E-08	5.21E-09	1.53E-08
489	570345.2	4215566	1.40E-07	7.91E-08	2.19E-07	2.13E-08	1.20E-08	3.34E-08	9.62E-09	4.95E-09	1.46E-08
490	570338.6	4215572	1.32E-07	7.49E-08	2.07E-07	2.02E-08	1.14E-08	3.16E-08	9.11E-09	4.69E-09	1.38E-08
491	570331.9	4215579	1.24E-07	7.05E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.58E-09	4.42E-09	1.30E-08
492	570325.3	4215586	1.12E-07	6.37E-08	1.76E-07	1.72E-08	9.69E-09	2.69E-08	7.75E-09	3.99E-09	1.17E-08
493	570449.2	4215377	1.83E-07	1.04E-07	2.87E-07	2.80E-08	1.58E-08	4.37E-08	1.26E-08	6.50E-09	1.91E-08
494	570449	4215387	1.83E-07	1.04E-07	2.87E-07	2.80E-08	1.58E-08	4.37E-08	1.26E-08	6.50E-09	1.91E-08
495	570448.8	4215397	1.83E-07	1.04E-07	2.86E-07	2.79E-08	1.58E-08	4.37E-08	1.26E-08	6.49E-09	1.91E-08
496	570448.5	4215407	1.82E-07	1.03E-07	2.85E-07	2.78E-08	1.57E-08	4.35E-08	1.26E-08	6.46E-09	1.90E-08
497	570448.3	4215416	1.81E-07	1.02E-07	2.83E-07	2.76E-08	1.56E-08	4.32E-08	1.25E-08	6.42E-09	1.89E-08
498	570447.7	4215446	1.75E-07	9.93E-08	2.75E-07	2.68E-08	1.51E-08	4.19E-08	1.21E-08	6.22E-09	1.83E-08
499	570447.4	4215456	1.73E-07	9.81E-08	2.71E-07	2.64E-08	1.49E-08	4.14E-08	1.19E-08	6.14E-09	1.81E-08
500	570447.2	4215466	1.71E-07	9.67E-08	2.67E-07	2.61E-08	1.47E-08	4.08E-08	1.18E-08	6.05E-09	1.78E-08
501	570440.1	4215482	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
502	570433.2	4215489	1.71E-07	9.68E-08	2.68E-07	2.61E-08	1.47E-08	4.08E-08	1.18E-08	6.06E-09	1.78E-08
503	570426.3	4215496	1.72E-07	9.75E-08	2.70E-07	2.63E-08	1.48E-08	4.11E-08	1.19E-08	6.11E-09	1.80E-08
504	570419.4	4215503	1.73E-07	9.79E-08	2.71E-07	2.64E-08	1.49E-08	4.13E-08	1.19E-08	6.13E-09	1.80E-08
505	570412.5	4215510	1.73E-07	9.79E-08	2.71E-07	2.64E-08	1.49E-08	4.13E-08	1.19E-08	6.13E-09	1.80E-08
506	570405.6	4215517	1.71E-07	9.71E-08	2.68E-07	2.62E-08	1.48E-08	4.09E-08	1.18E-08	6.08E-09	1.79E-08
507	570398.7	4215524	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
508	570391.8	4215531	1.66E-07	9.40E-08	2.60E-07	2.53E-08	1.43E-08	3.96E-08	1.14E-08	5.88E-09	1.73E-08
509	570384.9	4215538	1.62E-07	9.17E-08	2.54E-07	2.47E-08	1.39E-08	3.87E-08	1.12E-08	5.74E-09	1.69E-08
510	570378	4215546	1.57E-07	8.89E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08
511	570371.1	4215553	1.51E-07	8.58E-08	2.37E-07	2.31E-08	1.31E-08	3.62E-08	1.04E-08	5.37E-09	1.58E-08
512	570364.2	4215560	1.45E-07	8.24E-08	2.28E-07	2.22E-08	1.25E-08	3.47E-08	1.00E-08	5.16E-09	1.52E-08
513	570357.3	4215567	1.39E-07	7.87E-08	2.18E-07	2.12E-08	1.20E-08	3.32E-08	9.57E-09	4.93E-09	1.45E-08
514	570350.4	4215574	1.32E-07	7.47E-08	2.06E-07	2.01E-08	1.14E-08	3.15E-08	9.08E-09	4.68E-09	1.38E-08
515	570343.5	4215581	1.24E-07	7.05E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.58E-09	4.41E-09	1.30E-08
516	570336.5	4215588	1.17E-07	6.62E-08	1.83E-07	1.79E-08	1.01E-08	2.79E-08	8.06E-09	4.15E-09	1.22E-08
517	570329.6	4215595	1.09E-07	6.20E-08	1.71E-07	1.67E-08	9.43E-09	2.61E-08	7.54E-09	3.88E-09	1.14E-08
518	570458.6	4215373	1.76E-07	9.98E-08	2.76E-07	2.69E-08	1.52E-08	4.21E-08	1.21E-08	6.25E-09	1.84E-08
519	570458.4	4215382	1.76E-07	9.96E-08	2.75E-07	2.69E-08	1.52E-08	4.20E-08	1.21E-08	6.24E-09	1.84E-08
520	570458.2	4215392	1.75E-07	9.93E-08	2.75E-07	2.68E-08	1.51E-08	4.19E-08	1.21E-08	6.22E-09	1.83E-08
521	570458	4215402	1.75E-07	9.89E-08	2.73E-07	2.67E-08	1.50E-08	4.17E-08	1.20E-08	6.19E-09	1.82E-08
522	570457.7	4215411	1.74E-07	9.83E-08	2.72E-07	2.65E-08	1.50E-08	4.15E-08	1.20E-08	6.16E-09	1.81E-08
523	570457.1	4215441	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
524	570456.9	4215450	1.67E-07	9.48E-08	2.62E-07	2.55E-08	1.44E-08	4.00E-08	1.15E-08	5.93E-09	1.75E-08
525	570456.6	4215460	1.65E-07	9.35E-08	2.59E-07	2.52E-08	1.42E-08	3.94E-08	1.14E-08	5.85E-09	1.72E-08
526	570456.4	4215470	1.62E-07	9.19E-08	2.54E-07	2.48E-08	1.40E-08	3.88E-08	1.12E-08	5.76E-09	1.69E-08
527	570449.4	4215486	1.61E-07	9.12E-08	2.52E-07	2.46E-08	1.39E-08	3.84E-08	1.11E-08	5.71E-09	1.68E-08
528	570442.6	4215493	1.63E-07	9.21E-08	2.55E-07	2.48E-08	1.40E-08	3.88E-08	1.12E-08	5.77E-09	1.70E-08
529	570435.8	4215500	1.64E-07	9.28E-08	2.57E-07	2.50E-08	1.41E-08	3.91E-08	1.13E-08	5.81E-09	1.71E-08
530	570429	4215507	1.64E-07	9.32E-08	2.58E-07	2.51E-08	1.42E-08	3.93E-08	1.13E-08	5.83E-09	1.72E-08
531	570422.1	4215514	1.65E-07	9.32E-08	2.58E-07	2.51E-08	1.42E-08	3.93E-08	1.13E-08	5.84E-09	1.72E-08
532	570415.3	4215521	1.64E-07	9.30E-08	2.57E-07	2.51E-08	1.41E-08	3.92E-08	1.13E-08	5.82E-09	1.71E-08
533	570408.5	4215528	1.62E-07	9.20E-08	2.54E-07	2.48E-08	1.40E-08	3.88E-08	1.12E-08	5.76E-09	1.70E-08
534	570401.7	4215535	1.60E-07	9.04E-08	2.50E-07	2.44E-08	1.38E-08	3.81E-08	1.10E-08	5.66E-09	1.67E-08
535	570394.9	4215542	1.56E-07	8.84E-08	2.45E-07	2.38E-08	1.35E-08	3.73E-08	1.08E-08	5.54E-09	1.63E-08
536	570388.1	4215548	1.52E-07	8.61E-08	2.38E-07	2.32E-08	1.31E-08	3.63E-08	1.05E-08	5.39E-09	1.59E-08
537	570381.3	4215555	1.47E-07	8.33E-08	2.30E-07	2.25E-08	1.27E-08	3.51E-08	1.01E-08	5.22E-09	1.54E-08
538	570374.5	4215562	1.42E-07	8.03E-08	2.22E-07	2.16E-08	1.22E-08	3.38E-08	9.76E-09	5.03E-09	1.48E-08
539	570367.6	4215569	1.36E-07	7.70E-08	2.13E-07	2.07E-08	1.17E-08	3.24E-08	9.36E-09	4.82E-09	1.42E-08
540	570360.8	4215576	1.30E-07	7.34E-08	2.03E-07	1.98E-08	1.12E-08	3.10E-08	8.93E-09	4.60E-09	1.35E-08
541	570354	4215583	1.23E-07	6.97E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.48E-09	4.37E-09	1.28E-08
542	570347.2	4215590	1.16E-07	6.58E-08	1.82E-07	1.77E-08	1.00E-08	2.78E-08	8.01E-09	4.12E-09	1.21E-08
543	570340.4	4215597	1.09E-07	6.19E-08	1.71E-07	1.67E-08	9.42E-09	2.61E-08	7.53E-09	3.88E-09	1.14E-08
544	570333.6	4215604	1.03E-07	5.81E-08	1.61E-07	1.57E-08	8.83E-09	2.45E-08	7.06E-09	3.64E-09	1.07E-08
545	570468	4215368	1.70E-07	9.61E-08	2.66E-07	2.59E-08	1.46E-08	4.05E-08	1.17E-08	6.02E-09	1.77E-08

546	570467.8	4215378	1.69E-07	9.59E-08	2.65E-07	2.59E-08	1.46E-08	4.04E-08	1.17E-08	6.01E-09	1.77E-08
547	570467.6	4215387	1.69E-07	9.55E-08	2.64E-07	2.57E-08	1.45E-08	4.03E-08	1.16E-08	5.98E-09	1.76E-08
548	570467.4	4215397	1.68E-07	9.50E-08	2.63E-07	2.56E-08	1.44E-08	4.00E-08	1.16E-08	5.95E-09	1.75E-08
549	570467.1	4215407	1.66E-07	9.43E-08	2.61E-07	2.54E-08	1.43E-08	3.98E-08	1.15E-08	5.90E-09	1.74E-08
550	570466.9	4215416	1.66E-07	9.38E-08	2.59E-07	2.53E-08	1.43E-08	3.96E-08	1.14E-08	5.88E-09	1.73E-08
551	570466.3	4215445	1.62E-07	9.15E-08	2.53E-07	2.47E-08	1.39E-08	3.86E-08	1.11E-08	5.73E-09	1.69E-08
552	570466.1	4215454	1.60E-07	9.04E-08	2.50E-07	2.44E-08	1.37E-08	3.81E-08	1.10E-08	5.66E-09	1.67E-08
553	570465.8	4215464	1.57E-07	8.91E-08	2.46E-07	2.40E-08	1.36E-08	3.76E-08	1.08E-08	5.58E-09	1.64E-08
554	570465.6	4215474	1.54E-07	8.75E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.06E-08	5.48E-09	1.61E-08
555	570458.7	4215490	1.53E-07	8.67E-08	2.40E-07	2.34E-08	1.32E-08	3.66E-08	1.05E-08	5.43E-09	1.60E-08
556	570452	4215497	1.55E-07	8.76E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.07E-08	5.48E-09	1.61E-08
557	570445.2	4215504	1.56E-07	8.83E-08	2.44E-07	2.38E-08	1.34E-08	3.72E-08	1.07E-08	5.53E-09	1.63E-08
558	570438.5	4215511	1.57E-07	8.87E-08	2.45E-07	2.39E-08	1.35E-08	3.74E-08	1.08E-08	5.55E-09	1.63E-08
559	570431.8	4215517	1.57E-07	8.88E-08	2.46E-07	2.39E-08	1.35E-08	3.75E-08	1.08E-08	5.56E-09	1.64E-08
560	570425	4215524	1.57E-07	8.87E-08	2.45E-07	2.39E-08	1.35E-08	3.74E-08	1.08E-08	5.55E-09	1.63E-08
561	570418.3	4215531	1.56E-07	8.81E-08	2.44E-07	2.37E-08	1.34E-08	3.71E-08	1.07E-08	5.52E-09	1.62E-08
562	570411.6	4215538	1.54E-07	8.70E-08	2.41E-07	2.35E-08	1.32E-08	3.67E-08	1.06E-08	5.45E-09	1.60E-08
563	570404.8	4215545	1.51E-07	8.53E-08	2.36E-07	2.30E-08	1.30E-08	3.60E-08	1.04E-08	5.34E-09	1.57E-08
564	570398.1	4215552	1.47E-07	8.32E-08	2.30E-07	2.24E-08	1.27E-08	3.51E-08	1.01E-08	5.21E-09	1.53E-08
565	570391.4	4215558	1.43E-07	8.08E-08	2.23E-07	2.18E-08	1.23E-08	3.41E-08	9.83E-09	5.06E-09	1.49E-08
566	570384.7	4215565	1.38E-07	7.81E-08	2.16E-07	2.10E-08	1.19E-08	3.29E-08	9.50E-09	4.89E-09	1.44E-08
567	570377.9	4215572	1.33E-07	7.51E-08	2.08E-07	2.02E-08	1.14E-08	3.17E-08	9.14E-09	4.70E-09	1.38E-08
568	570371.2	4215579	1.27E-07	7.20E-08	1.99E-07	1.94E-08	1.09E-08	3.04E-08	8.76E-09	4.51E-09	1.33E-08
569	570364.5	4215586	1.21E-07	6.87E-08	1.90E-07	1.85E-08	1.04E-08	2.90E-08	8.36E-09	4.30E-09	1.27E-08
570	570357.7	4215593	1.15E-07	6.52E-08	1.80E-07	1.76E-08	9.91E-09	2.75E-08	7.93E-09	4.08E-09	1.20E-08
571	570351	4215599	1.09E-07	6.16E-08	1.70E-07	1.66E-08	9.37E-09	2.60E-08	7.49E-09	3.86E-09	1.14E-08
572	570344.3	4215606	1.02E-07	5.80E-08	1.60E-07	1.56E-08	8.83E-09	2.45E-08	7.06E-09	3.63E-09	1.07E-08
573	570337.5	4215613	9.62E-08	5.45E-08	1.51E-07	1.47E-08	8.29E-09	2.30E-08	6.63E-09	3.41E-09	1.00E-08
574	570477.4	4215364	1.63E-07	9.25E-08	2.56E-07	2.49E-08	1.41E-08	3.90E-08	1.13E-08	5.79E-09	1.71E-08
575	570477.2	4215373	1.63E-07	9.24E-08	2.56E-07	2.49E-08	1.41E-08	3.90E-08	1.12E-08	5.79E-09	1.70E-08
576	570477	4215383	1.63E-07	9.21E-08	2.55E-07	2.48E-08	1.40E-08	3.88E-08	1.12E-08	5.77E-09	1.70E-08
577	570476.8	4215392	1.62E-07	9.15E-08	2.53E-07	2.47E-08	1.39E-08	3.86E-08	1.11E-08	5.73E-09	1.69E-08
578	570476.5	4215402	1.60E-07	9.09E-08	2.51E-07	2.45E-08	1.38E-08	3.83E-08	1.11E-08	5.69E-09	1.67E-08
579	570476.3	4215411	1.59E-07	9.03E-08	2.50E-07	2.43E-08	1.37E-08	3.81E-08	1.10E-08	5.65E-09	1.66E-08
580	570475.7	4215440	1.56E-07	8.85E-08	2.45E-07	2.38E-08	1.35E-08	3.73E-08	1.08E-08	5.54E-09	1.63E-08
581	570475.5	4215449	1.54E-07	8.75E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.06E-08	5.48E-09	1.61E-08
582	570475.3	4215459	1.52E-07	8.63E-08	2.39E-07	2.33E-08	1.31E-08	3.64E-08	1.05E-08	5.40E-09	1.59E-08
583	570475	4215468	1.50E-07	8.50E-08	2.35E-07	2.29E-08	1.29E-08	3.58E-08	1.03E-08	5.32E-09	1.57E-08
584	570474.8	4215478	1.47E-07	8.34E-08	2.31E-07	2.25E-08	1.27E-08	3.52E-08	1.01E-08	5.22E-09	1.54E-08
585	570468	4215494	1.46E-07	8.26E-08	2.28E-07	2.23E-08	1.26E-08	3.48E-08	1.00E-08	5.17E-09	1.52E-08
586	570461.3	4215501	1.47E-07	8.33E-08	2.30E-07	2.25E-08	1.27E-08	3.51E-08	1.01E-08	5.22E-09	1.53E-08
587	570454.7	4215507	1.48E-07	8.39E-08	2.32E-07	2.26E-08	1.28E-08	3.54E-08	1.02E-08	5.25E-09	1.55E-08
588	570448	4215514	1.49E-07	8.44E-08	2.33E-07	2.28E-08	1.28E-08	3.56E-08	1.03E-08	5.29E-09	1.56E-08
589	570441.3	4215521	1.49E-07	8.47E-08	2.34E-07	2.28E-08	1.29E-08	3.57E-08	1.03E-08	5.30E-09	1.56E-08
590	570434.7	4215528	1.49E-07	8.46E-08	2.34E-07	2.28E-08	1.29E-08	3.57E-08	1.03E-08	5.29E-09	1.56E-08
591	570428	4215534	1.48E-07	8.41E-08	2.33E-07	2.27E-08	1.28E-08	3.55E-08	1.02E-08	5.26E-09	1.55E-08
592	570421.4	4215541	1.47E-07	8.33E-08	2.30E-07	2.25E-08	1.27E-08	3.51E-08	1.01E-08	5.22E-09	1.53E-08
593	570414.7	4215548	1.45E-07	8.22E-08	2.27E-07	2.22E-08	1.25E-08	3.47E-08	1.00E-08	5.15E-09	1.51E-08
594	570408.1	4215555	1.42E-07	8.05E-08	2.23E-07	2.17E-08	1.22E-08	3.39E-08	9.79E-09	5.04E-09	1.48E-08
595	570401.4	4215561	1.38E-07	7.83E-08	2.16E-07	2.11E-08	1.19E-08	3.30E-08	9.52E-09	4.90E-09	1.44E-08
596	570394.7	4215568	1.34E-07	7.58E-08	2.10E-07	2.04E-08	1.15E-08	3.20E-08	9.23E-09	4.75E-09	1.40E-08
597	570388.1	4215575	1.29E-07	7.32E-08	2.02E-07	1.97E-08	1.11E-08	3.09E-08	8.90E-09	4.58E-09	1.35E-08
598	570381.4	4215582	1.24E-07	7.04E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.56E-09	4.41E-09	1.30E-08
599	570374.8	4215588	1.19E-07	6.74E-08	1.86E-07	1.82E-08	1.03E-08	2.84E-08	8.20E-09	4.22E-09	1.24E-08
600	570368.1	4215595	1.13E-07	6.43E-08	1.78E-07	1.73E-08	9.77E-09	2.71E-08	7.82E-09	4.02E-09	1.18E-08
601	570361.5	4215602	1.08E-07	6.10E-08	1.69E-07	1.64E-08	9.28E-09	2.57E-08	7.42E-09	3.82E-09	1.12E-08
602	570354.8	4215609	1.02E-07	5.77E-08	1.60E-07	1.56E-08	8.78E-09	2.43E-08	7.02E-09	3.62E-09	1.06E-08
603	570348.2	4215615	9.61E-08	5.45E-08	1.51E-07	1.47E-08	8.28E-09	2.30E-08	6.62E-09	3.41E-09	1.00E-08
604	570341.5	4215622	9.04E-08	5.12E-08	1.42E-07	1.38E-08	7.79E-09	2.16E-08	6.23E-09	3.21E-09	9.44E-09
605	570486.7	4215363	1.57E-07	8.90E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08
606	570486.5	4215373	1.57E-07	8.90E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08

607	570486.3	4215383	1.57E-07	8.87E-08	2.45E-07	2.39E-08	1.35E-08	3.74E-08	1.08E-08	5.55E-09	1.63E-08
608	570486	4215393	1.56E-07	8.82E-08	2.44E-07	2.38E-08	1.34E-08	3.72E-08	1.07E-08	5.53E-09	1.63E-08
609	570485.8	4215403	1.55E-07	8.76E-08	2.42E-07	2.36E-08	1.33E-08	3.70E-08	1.07E-08	5.49E-09	1.61E-08
610	570485.6	4215412	1.54E-07	8.71E-08	2.41E-07	2.35E-08	1.32E-08	3.67E-08	1.06E-08	5.45E-09	1.60E-08
611	570484.9	4215442	1.50E-07	8.50E-08	2.35E-07	2.29E-08	1.29E-08	3.58E-08	1.03E-08	5.32E-09	1.57E-08
612	570484.7	4215452	1.48E-07	8.40E-08	2.32E-07	2.26E-08	1.28E-08	3.54E-08	1.02E-08	5.26E-09	1.55E-08
613	570484.5	4215462	1.46E-07	8.29E-08	2.29E-07	2.23E-08	1.26E-08	3.49E-08	1.01E-08	5.19E-09	1.53E-08
614	570484.3	4215471	1.44E-07	8.15E-08	2.25E-07	2.20E-08	1.24E-08	3.44E-08	9.91E-09	5.10E-09	1.50E-08
615	570484.1	4215481	1.41E-07	7.99E-08	2.21E-07	2.15E-08	1.22E-08	3.37E-08	9.72E-09	5.00E-09	1.47E-08
616	570476.9	4215498	1.39E-07	7.88E-08	2.18E-07	2.12E-08	1.20E-08	3.32E-08	9.58E-09	4.93E-09	1.45E-08
617	570470	4215505	1.40E-07	7.93E-08	2.19E-07	2.14E-08	1.21E-08	3.34E-08	9.65E-09	4.97E-09	1.46E-08
618	570463.1	4215512	1.41E-07	7.98E-08	2.21E-07	2.15E-08	1.21E-08	3.37E-08	9.71E-09	5.00E-09	1.47E-08
619	570456.2	4215519	1.42E-07	8.03E-08	2.22E-07	2.16E-08	1.22E-08	3.38E-08	9.76E-09	5.03E-09	1.48E-08
620	570449.3	4215526	1.42E-07	8.06E-08	2.23E-07	2.17E-08	1.23E-08	3.40E-08	9.80E-09	5.05E-09	1.48E-08
621	570442.4	4215533	1.42E-07	8.06E-08	2.23E-07	2.17E-08	1.23E-08	3.40E-08	9.80E-09	5.04E-09	1.48E-08
622	570435.5	4215540	1.41E-07	8.01E-08	2.21E-07	2.16E-08	1.22E-08	3.38E-08	9.74E-09	5.01E-09	1.48E-08
623	570428.6	4215547	1.40E-07	7.93E-08	2.19E-07	2.14E-08	1.21E-08	3.34E-08	9.65E-09	4.97E-09	1.46E-08
624	570421.7	4215554	1.38E-07	7.83E-08	2.16E-07	2.11E-08	1.19E-08	3.30E-08	9.52E-09	4.90E-09	1.44E-08
625	570414.8	4215561	1.36E-07	7.68E-08	2.12E-07	2.07E-08	1.17E-08	3.24E-08	9.34E-09	4.81E-09	1.41E-08
626	570407.9	4215568	1.32E-07	7.46E-08	2.06E-07	2.01E-08	1.14E-08	3.15E-08	9.08E-09	4.67E-09	1.38E-08
627	570401	4215575	1.28E-07	7.22E-08	2.00E-07	1.95E-08	1.10E-08	3.05E-08	8.79E-09	4.52E-09	1.33E-08
628	570394.1	4215582	1.23E-07	6.97E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.47E-09	4.36E-09	1.28E-08
629	570387.2	4215589	1.18E-07	6.69E-08	1.85E-07	1.80E-08	1.02E-08	2.82E-08	8.14E-09	4.19E-09	1.23E-08
630	570380.3	4215596	1.13E-07	6.40E-08	1.77E-07	1.72E-08	9.73E-09	2.70E-08	7.78E-09	4.01E-09	1.18E-08
631	570373.4	4215603	1.08E-07	6.09E-08	1.68E-07	1.64E-08	9.26E-09	2.57E-08	7.41E-09	3.81E-09	1.12E-08
632	570366.5	4215610	1.02E-07	5.78E-08	1.60E-07	1.56E-08	8.79E-09	2.44E-08	7.03E-09	3.62E-09	1.06E-08
633	570359.6	4215617	9.64E-08	5.46E-08	1.51E-07	1.47E-08	8.31E-09	2.30E-08	6.64E-09	3.42E-09	1.01E-08
634	570352.7	4215624	9.08E-08	5.15E-08	1.42E-07	1.39E-08	7.83E-09	2.17E-08	6.26E-09	3.22E-09	9.48E-09
635	570345.8	4215631	8.54E-08	4.84E-08	1.34E-07	1.30E-08	7.36E-09	2.04E-08	5.89E-09	3.03E-09	8.92E-09
636	570496.1	4215359	1.51E-07	8.57E-08	2.37E-07	2.31E-08	1.30E-08	3.61E-08	1.04E-08	5.37E-09	1.58E-08
637	570495.9	4215369	1.51E-07	8.57E-08	2.37E-07	2.31E-08	1.30E-08	3.61E-08	1.04E-08	5.37E-09	1.58E-08
638	570495.7	4215378	1.51E-07	8.56E-08	2.37E-07	2.31E-08	1.30E-08	3.61E-08	1.04E-08	5.36E-09	1.58E-08
639	570495.5	4215388	1.51E-07	8.53E-08	2.36E-07	2.30E-08	1.30E-08	3.60E-08	1.04E-08	5.34E-09	1.57E-08
640	570495.2	4215398	1.50E-07	8.49E-08	2.35E-07	2.29E-08	1.29E-08	3.58E-08	1.03E-08	5.32E-09	1.56E-08
641	570495	4215407	1.49E-07	8.44E-08	2.33E-07	2.27E-08	1.28E-08	3.56E-08	1.03E-08	5.28E-09	1.55E-08
642	570494.8	4215417	1.48E-07	8.38E-08	2.32E-07	2.26E-08	1.28E-08	3.54E-08	1.02E-08	5.25E-09	1.54E-08
643	570494.1	4215446	1.44E-07	8.15E-08	2.25E-07	2.20E-08	1.24E-08	3.44E-08	9.92E-09	5.11E-09	1.50E-08
644	570493.9	4215456	1.42E-07	8.05E-08	2.23E-07	2.17E-08	1.23E-08	3.40E-08	9.80E-09	5.04E-09	1.48E-08
645	570493.7	4215466	1.40E-07	7.94E-08	2.20E-07	2.14E-08	1.21E-08	3.35E-08	9.66E-09	4.97E-09	1.46E-08
646	570493.5	4215475	1.38E-07	7.80E-08	2.16E-07	2.10E-08	1.19E-08	3.29E-08	9.49E-09	4.89E-09	1.44E-08
647	570493.3	4215485	1.35E-07	7.65E-08	2.12E-07	2.06E-08	1.16E-08	3.23E-08	9.31E-09	4.79E-09	1.41E-08
648	570486.2	4215502	1.33E-07	7.54E-08	2.09E-07	2.03E-08	1.15E-08	3.18E-08	9.17E-09	4.72E-09	1.39E-08
649	570479.4	4215509	1.34E-07	7.57E-08	2.09E-07	2.04E-08	1.15E-08	3.19E-08	9.21E-09	4.74E-09	1.40E-08
650	570472.6	4215516	1.34E-07	7.59E-08	2.10E-07	2.05E-08	1.16E-08	3.20E-08	9.24E-09	4.76E-09	1.40E-08
651	570465.7	4215523	1.35E-07	7.63E-08	2.11E-07	2.06E-08	1.16E-08	3.22E-08	9.28E-09	4.78E-09	1.41E-08
652	570458.9	4215530	1.35E-07	7.65E-08	2.12E-07	2.06E-08	1.16E-08	3.23E-08	9.31E-09	4.79E-09	1.41E-08
653	570452.1	4215536	1.35E-07	7.66E-08	2.12E-07	2.06E-08	1.16E-08	3.23E-08	9.32E-09	4.80E-09	1.41E-08
654	570445.3	4215543	1.35E-07	7.64E-08	2.11E-07	2.06E-08	1.16E-08	3.22E-08	9.30E-09	4.79E-09	1.41E-08
655	570438.4	4215550	1.34E-07	7.59E-08	2.10E-07	2.04E-08	1.15E-08	3.20E-08	9.23E-09	4.75E-09	1.40E-08
656	570431.6	4215557	1.32E-07	7.50E-08	2.07E-07	2.02E-08	1.14E-08	3.16E-08	9.12E-09	4.69E-09	1.38E-08
657	570424.8	4215564	1.30E-07	7.37E-08	2.04E-07	1.99E-08	1.12E-08	3.11E-08	8.96E-09	4.61E-09	1.36E-08
658	570418	4215571	1.27E-07	7.21E-08	1.99E-07	1.94E-08	1.10E-08	3.04E-08	8.77E-09	4.52E-09	1.33E-08
659	570411.1	4215578	1.24E-07	7.02E-08	1.94E-07	1.89E-08	1.07E-08	2.96E-08	8.54E-09	4.39E-09	1.29E-08
660	570404.3	4215585	1.20E-07	6.79E-08	1.88E-07	1.83E-08	1.03E-08	2.86E-08	8.25E-09	4.25E-09	1.25E-08
661	570397.5	4215592	1.15E-07	6.54E-08	1.81E-07	1.76E-08	9.94E-09	2.76E-08	7.95E-09	4.09E-09	1.20E-08
662	570390.7	4215599	1.11E-07	6.27E-08	1.73E-07	1.69E-08	9.54E-09	2.64E-08	7.63E-09	3.93E-09	1.16E-08
663	570383.9	4215606	1.06E-07	6.00E-08	1.66E-07	1.62E-08	9.12E-09	2.53E-08	7.30E-09	3.76E-09	1.11E-08
664	570377	4215613	1.01E-07	5.71E-08	1.58E-07	1.54E-08	8.69E-09	2.41E-08	6.95E-09	3.58E-09	1.05E-08
665	570370.2	4215620	9.57E-08	5.42E-08	1.50E-07	1.46E-08	8.24E-09	2.28E-08	6.59E-09	3.39E-09	9.98E-09
666	570363.4	4215627	9.04E-08	5.12E-08	1.42E-07	1.38E-08	7.79E-09	2.16E-08	6.23E-09	3.21E-09	9.44E-09
667	570356.6	4215633	8.53E-08	4.83E-08	1.34E-07	1.30E-08	7.35E-09	2.04E-08	5.88E-09	3.03E-09	8.91E-09

668	570349.7	4215640	8.03E-08	4.55E-08	1.26E-07	1.23E-08	6.92E-09	1.92E-08	5.54E-09	2.85E-09	8.39E-09
669	570505.5	4215355	1.46E-07	8.25E-08	2.28E-07	2.22E-08	1.26E-08	3.48E-08	1.00E-08	5.17E-09	1.52E-08
670	570505.3	4215364	1.46E-07	8.26E-08	2.28E-07	2.23E-08	1.26E-08	3.48E-08	1.01E-08	5.17E-09	1.52E-08
671	570505.1	4215374	1.46E-07	8.26E-08	2.28E-07	2.23E-08	1.26E-08	3.48E-08	1.00E-08	5.17E-09	1.52E-08
672	570504.9	4215383	1.46E-07	8.25E-08	2.28E-07	2.22E-08	1.25E-08	3.48E-08	1.00E-08	5.16E-09	1.52E-08
673	570504.6	4215393	1.45E-07	8.22E-08	2.27E-07	2.22E-08	1.25E-08	3.47E-08	1.00E-08	5.15E-09	1.51E-08
674	570504.4	4215403	1.44E-07	8.18E-08	2.26E-07	2.21E-08	1.24E-08	3.45E-08	9.95E-09	5.12E-09	1.51E-08
675	570504.2	4215412	1.44E-07	8.13E-08	2.25E-07	2.19E-08	1.24E-08	3.43E-08	9.89E-09	5.09E-09	1.50E-08
676	570503.6	4215441	1.40E-07	7.91E-08	2.19E-07	2.13E-08	1.20E-08	3.34E-08	9.62E-09	4.95E-09	1.46E-08
677	570503.3	4215451	1.38E-07	7.82E-08	2.16E-07	2.11E-08	1.19E-08	3.30E-08	9.52E-09	4.90E-09	1.44E-08
678	570503.1	4215460	1.36E-07	7.73E-08	2.14E-07	2.08E-08	1.18E-08	3.26E-08	9.40E-09	4.84E-09	1.42E-08
679	570502.9	4215470	1.34E-07	7.61E-08	2.10E-07	2.05E-08	1.16E-08	3.21E-08	9.26E-09	4.77E-09	1.40E-08
680	570502.7	4215480	1.32E-07	7.48E-08	2.07E-07	2.02E-08	1.14E-08	3.15E-08	9.09E-09	4.68E-09	1.38E-08
681	570502.5	4215489	1.29E-07	7.33E-08	2.03E-07	1.98E-08	1.12E-08	3.09E-08	8.92E-09	4.59E-09	1.35E-08
682	570495.5	4215506	1.28E-07	7.23E-08	2.00E-07	1.95E-08	1.10E-08	3.05E-08	8.79E-09	4.52E-09	1.33E-08
683	570488.7	4215513	1.28E-07	7.26E-08	2.01E-07	1.96E-08	1.10E-08	3.06E-08	8.83E-09	4.54E-09	1.34E-08
684	570482	4215519	1.28E-07	7.27E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.85E-09	4.55E-09	1.34E-08
685	570475.2	4215526	1.28E-07	7.27E-08	2.01E-07	1.96E-08	1.11E-08	3.06E-08	8.84E-09	4.55E-09	1.34E-08
686	570468.5	4215533	1.28E-07	7.28E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.85E-09	4.56E-09	1.34E-08
687	570461.7	4215540	1.29E-07	7.28E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.86E-09	4.56E-09	1.34E-08
688	570455	4215547	1.28E-07	7.27E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.84E-09	4.55E-09	1.34E-08
689	570448.2	4215554	1.28E-07	7.24E-08	2.00E-07	1.95E-08	1.10E-08	3.05E-08	8.81E-09	4.53E-09	1.33E-08
690	570441.5	4215561	1.27E-07	7.18E-08	1.98E-07	1.93E-08	1.09E-08	3.03E-08	8.73E-09	4.49E-09	1.32E-08
691	570434.7	4215567	1.25E-07	7.07E-08	1.95E-07	1.91E-08	1.08E-08	2.98E-08	8.60E-09	4.43E-09	1.30E-08
692	570428	4215574	1.22E-07	6.94E-08	1.92E-07	1.87E-08	1.06E-08	2.92E-08	8.44E-09	4.34E-09	1.28E-08
693	570421.2	4215581	1.20E-07	6.78E-08	1.87E-07	1.83E-08	1.03E-08	2.86E-08	8.25E-09	4.24E-09	1.25E-08
694	570414.5	4215588	1.16E-07	6.60E-08	1.82E-07	1.78E-08	1.00E-08	2.78E-08	8.02E-09	4.13E-09	1.22E-08
695	570407.7	4215595	1.12E-07	6.37E-08	1.76E-07	1.72E-08	9.69E-09	2.69E-08	7.75E-09	3.99E-09	1.17E-08
696	570401	4215602	1.08E-07	6.13E-08	1.70E-07	1.65E-08	9.33E-09	2.59E-08	7.46E-09	3.84E-09	1.13E-08
697	570394.2	4215608	1.04E-07	5.88E-08	1.63E-07	1.59E-08	8.95E-09	2.48E-08	7.16E-09	3.68E-09	1.08E-08
698	570387.5	4215615	9.94E-08	5.63E-08	1.56E-07	1.52E-08	8.56E-09	2.37E-08	6.85E-09	3.53E-09	1.04E-08
699	570380.7	4215622	9.46E-08	5.36E-08	1.48E-07	1.44E-08	8.15E-09	2.26E-08	6.52E-09	3.36E-09	9.88E-09
700	570373.9	4215629	8.98E-08	5.09E-08	1.41E-07	1.37E-08	7.73E-09	2.14E-08	6.19E-09	3.18E-09	9.37E-09
701	570367.2	4215636	8.49E-08	4.81E-08	1.33E-07	1.30E-08	7.32E-09	2.03E-08	5.85E-09	3.01E-09	8.87E-09
702	570360.4	4215643	8.02E-08	4.55E-08	1.26E-07	1.23E-08	6.91E-09	1.92E-08	5.53E-09	2.85E-09	8.37E-09
703	570353.7	4215650	7.56E-08	4.28E-08	1.18E-07	1.15E-08	6.52E-09	1.81E-08	5.21E-09	2.68E-09	7.89E-09
704	570514.9	4215350	1.40E-07	7.95E-08	2.20E-07	2.14E-08	1.21E-08	3.35E-08	9.67E-09	4.98E-09	1.47E-08
705	570514.7	4215360	1.41E-07	7.97E-08	2.20E-07	2.15E-08	1.21E-08	3.36E-08	9.69E-09	4.99E-09	1.47E-08
706	570514.5	4215369	1.41E-07	7.97E-08	2.20E-07	2.15E-08	1.21E-08	3.36E-08	9.70E-09	4.99E-09	1.47E-08
707	570514.3	4215379	1.41E-07	7.97E-08	2.20E-07	2.15E-08	1.21E-08	3.36E-08	9.69E-09	4.99E-09	1.47E-08
708	570514	4215388	1.40E-07	7.95E-08	2.20E-07	2.14E-08	1.21E-08	3.35E-08	9.67E-09	4.98E-09	1.46E-08
709	570513.8	4215398	1.40E-07	7.92E-08	2.19E-07	2.14E-08	1.20E-08	3.34E-08	9.64E-09	4.96E-09	1.46E-08
710	570513.6	4215407	1.39E-07	7.88E-08	2.18E-07	2.12E-08	1.20E-08	3.32E-08	9.59E-09	4.94E-09	1.45E-08
711	570513.4	4215417	1.38E-07	7.83E-08	2.17E-07	2.11E-08	1.19E-08	3.30E-08	9.53E-09	4.90E-09	1.44E-08
712	570512.7	4215446	1.35E-07	7.62E-08	2.11E-07	2.05E-08	1.16E-08	3.21E-08	9.27E-09	4.77E-09	1.40E-08
713	570512.5	4215455	1.33E-07	7.54E-08	2.08E-07	2.03E-08	1.15E-08	3.18E-08	9.17E-09	4.72E-09	1.39E-08
714	570512.3	4215465	1.31E-07	7.44E-08	2.06E-07	2.01E-08	1.13E-08	3.14E-08	9.05E-09	4.66E-09	1.37E-08
715	570512.1	4215474	1.29E-07	7.33E-08	2.03E-07	1.97E-08	1.11E-08	3.09E-08	8.91E-09	4.59E-09	1.35E-08
716	570511.9	4215484	1.27E-07	7.20E-08	1.99E-07	1.94E-08	1.10E-08	3.04E-08	8.76E-09	4.51E-09	1.33E-08
717	570511.7	4215493	1.25E-07	7.07E-08	1.96E-07	1.91E-08	1.08E-08	2.98E-08	8.60E-09	4.43E-09	1.30E-08
718	570504.8	4215510	1.22E-07	6.94E-08	1.92E-07	1.87E-08	1.06E-08	2.92E-08	8.44E-09	4.34E-09	1.28E-08
719	570498.1	4215516	1.23E-07	6.96E-08	1.92E-07	1.88E-08	1.06E-08	2.93E-08	8.47E-09	4.36E-09	1.28E-08
720	570491.4	4215523	1.23E-07	6.98E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.49E-09	4.37E-09	1.29E-08
721	570484.7	4215530	1.23E-07	6.98E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.49E-09	4.37E-09	1.29E-08
722	570478	4215537	1.23E-07	6.96E-08	1.92E-07	1.88E-08	1.06E-08	2.93E-08	8.46E-09	4.36E-09	1.28E-08
723	570471.3	4215543	1.22E-07	6.93E-08	1.92E-07	1.87E-08	1.05E-08	2.92E-08	8.43E-09	4.34E-09	1.28E-08
724	570464.7	4215550	1.22E-07	6.92E-08	1.91E-07	1.87E-08	1.05E-08	2.92E-08	8.42E-09	4.33E-09	1.28E-08
725	570458	4215557	1.22E-07	6.90E-08	1.91E-07	1.86E-08	1.05E-08	2.91E-08	8.39E-09	4.32E-09	1.27E-08
726	570451.3	4215564	1.21E-07	6.85E-08	1.89E-07	1.85E-08	1.04E-08	2.89E-08	8.33E-09	4.29E-09	1.26E-08
727	570444.6	4215571	1.20E-07	6.78E-08	1.87E-07	1.83E-08	1.03E-08	2.86E-08	8.24E-09	4.24E-09	1.25E-08
728	570437.9	4215577	1.18E-07	6.67E-08	1.84E-07	1.80E-08	1.01E-08	2.81E-08	8.11E-09	4.17E-09	1.23E-08

729	570431.2	4215584	1.15E-07	6.53E-08	1.81E-07	1.76E-08	9.94E-09	2.75E-08	7.95E-09	4.09E-09	1.20E-08
730	570424.5	4215591	1.12E-07	6.37E-08	1.76E-07	1.72E-08	9.69E-09	2.69E-08	7.75E-09	3.99E-09	1.17E-08
731	570417.8	4215598	1.09E-07	6.19E-08	1.71E-07	1.67E-08	9.41E-09	2.61E-08	7.53E-09	3.87E-09	1.14E-08
732	570411.2	4215605	1.06E-07	5.98E-08	1.65E-07	1.61E-08	9.10E-09	2.52E-08	7.28E-09	3.75E-09	1.10E-08
733	570404.5	4215611	1.02E-07	5.76E-08	1.59E-07	1.55E-08	8.76E-09	2.43E-08	7.01E-09	3.61E-09	1.06E-08
734	570397.8	4215618	9.75E-08	5.53E-08	1.53E-07	1.49E-08	8.40E-09	2.33E-08	6.72E-09	3.46E-09	1.02E-08
735	570391.1	4215625	9.32E-08	5.28E-08	1.46E-07	1.42E-08	8.03E-09	2.23E-08	6.42E-09	3.31E-09	9.73E-09
736	570384.4	4215632	8.88E-08	5.03E-08	1.39E-07	1.36E-08	7.65E-09	2.12E-08	6.12E-09	3.15E-09	9.27E-09
737	570377.7	4215638	8.43E-08	4.78E-08	1.32E-07	1.29E-08	7.27E-09	2.01E-08	5.81E-09	2.99E-09	8.80E-09
738	570371	4215645	7.99E-08	4.53E-08	1.25E-07	1.22E-08	6.88E-09	1.91E-08	5.51E-09	2.83E-09	8.34E-09
739	570364.3	4215652	7.55E-08	4.28E-08	1.18E-07	1.15E-08	6.50E-09	1.80E-08	5.20E-09	2.68E-09	7.88E-09
740	570357.7	4215659	7.12E-08	4.03E-08	1.12E-07	1.09E-08	6.14E-09	1.70E-08	4.91E-09	2.53E-09	7.43E-09
741	569937.1	4214980	5.02E-08	2.85E-08	7.87E-08	7.67E-09	4.33E-09	1.20E-08	3.46E-09	1.78E-09	5.24E-09
742	569941.8	4214988	5.38E-08	3.05E-08	8.43E-08	8.22E-09	4.64E-09	1.29E-08	3.71E-09	1.91E-09	5.62E-09
743	569895.6	4214925	3.63E-08	2.06E-08	5.69E-08	5.54E-09	3.13E-09	8.67E-09	2.50E-09	1.29E-09	3.79E-09
744	569900.3	4214934	3.76E-08	2.13E-08	5.88E-08	5.74E-09	3.24E-09	8.97E-09	2.59E-09	1.33E-09	3.92E-09
745	569905	4214942	3.91E-08	2.21E-08	6.12E-08	5.97E-09	3.37E-09	9.33E-09	2.69E-09	1.39E-09	4.08E-09
746	569909.6	4214951	4.08E-08	2.31E-08	6.40E-08	6.24E-09	3.52E-09	9.75E-09	2.81E-09	1.45E-09	4.26E-09
747	569914.3	4214959	4.30E-08	2.44E-08	6.73E-08	6.56E-09	3.70E-09	1.03E-08	2.96E-09	1.52E-09	4.49E-09
748	569919	4214968	4.56E-08	2.58E-08	7.15E-08	6.97E-09	3.93E-09	1.09E-08	3.14E-09	1.62E-09	4.76E-09
749	569923.7	4214976	4.86E-08	2.75E-08	7.61E-08	7.41E-09	4.18E-09	1.16E-08	3.35E-09	1.72E-09	5.07E-09
750	569928.3	4214985	5.19E-08	2.94E-08	8.12E-08	7.92E-09	4.47E-09	1.24E-08	3.57E-09	1.84E-09	5.41E-09
751	569933	4214993	5.57E-08	3.15E-08	8.72E-08	8.50E-09	4.80E-09	1.33E-08	3.84E-09	1.98E-09	5.81E-09
752	569877.5	4214913	3.49E-08	1.98E-08	5.47E-08	5.33E-09	3.01E-09	8.34E-09	2.41E-09	1.24E-09	3.65E-09
753	569882.2	4214922	3.59E-08	2.03E-08	5.62E-08	5.48E-09	3.09E-09	8.58E-09	2.47E-09	1.27E-09	3.75E-09
754	569886.9	4214930	3.70E-08	2.10E-08	5.80E-08	5.66E-09	3.19E-09	8.85E-09	2.55E-09	1.31E-09	3.87E-09
755	569891.5	4214939	3.84E-08	2.17E-08	6.01E-08	5.86E-09	3.31E-09	9.17E-09	2.65E-09	1.36E-09	4.01E-09
756	569896.2	4214947	4.00E-08	2.27E-08	6.26E-08	6.11E-09	3.45E-09	9.55E-09	2.76E-09	1.42E-09	4.17E-09
757	569900.9	4214956	4.19E-08	2.37E-08	6.56E-08	6.39E-09	3.61E-09	1.00E-08	2.89E-09	1.49E-09	4.37E-09
758	569905.5	4214964	4.43E-08	2.51E-08	6.95E-08	6.77E-09	3.82E-09	1.06E-08	3.06E-09	1.57E-09	4.63E-09
759	569910.2	4214973	4.71E-08	2.67E-08	7.38E-08	7.19E-09	4.06E-09	1.12E-08	3.24E-09	1.67E-09	4.91E-09
760	569914.9	4214981	5.02E-08	2.84E-08	7.86E-08	7.66E-09	4.32E-09	1.20E-08	3.46E-09	1.78E-09	5.24E-09
761	569919.6	4214990	5.37E-08	3.04E-08	8.41E-08	8.20E-09	4.63E-09	1.28E-08	3.70E-09	1.90E-09	5.61E-09
762	569924.2	4214998	5.78E-08	3.28E-08	9.06E-08	8.83E-09	4.98E-09	1.38E-08	3.98E-09	2.05E-09	6.03E-09
763	569928.9	4215007	6.25E-08	3.54E-08	9.78E-08	9.54E-09	5.38E-09	1.49E-08	4.30E-09	2.22E-09	6.52E-09
764	569868.7	4214918	3.56E-08	2.02E-08	5.58E-08	5.44E-09	3.07E-09	8.51E-09	2.45E-09	1.26E-09	3.72E-09
765	569873.4	4214926	3.66E-08	2.08E-08	5.74E-08	5.60E-09	3.16E-09	8.75E-09	2.53E-09	1.30E-09	3.82E-09
766	569878.1	4214935	3.78E-08	2.14E-08	5.92E-08	5.78E-09	3.26E-09	9.03E-09	2.61E-09	1.34E-09	3.95E-09
767	569882.8	4214943	3.93E-08	2.22E-08	6.15E-08	6.00E-09	3.38E-09	9.38E-09	2.71E-09	1.39E-09	4.10E-09
768	569887.4	4214952	4.10E-08	2.32E-08	6.42E-08	6.26E-09	3.53E-09	9.79E-09	2.82E-09	1.45E-09	4.28E-09
769	569892.1	4214960	4.32E-08	2.45E-08	6.76E-08	6.59E-09	3.72E-09	1.03E-08	2.98E-09	1.53E-09	4.51E-09
770	569896.8	4214969	4.58E-08	2.59E-08	7.17E-08	6.99E-09	3.94E-09	1.09E-08	3.15E-09	1.62E-09	4.78E-09
771	569901.5	4214977	4.87E-08	2.76E-08	7.62E-08	7.43E-09	4.19E-09	1.16E-08	3.35E-09	1.73E-09	5.08E-09
772	569906.1	4214986	5.19E-08	2.94E-08	8.12E-08	7.92E-09	4.47E-09	1.24E-08	3.57E-09	1.84E-09	5.41E-09
773	569910.8	4214994	5.57E-08	3.16E-08	8.73E-08	8.51E-09	4.80E-09	1.33E-08	3.84E-09	1.98E-09	5.82E-09
774	569915.5	4215003	6.01E-08	3.40E-08	9.41E-08	9.17E-09	5.18E-09	1.44E-08	4.14E-09	2.13E-09	6.27E-09
775	569920.2	4215011	6.50E-08	3.69E-08	1.02E-07	9.93E-09	5.61E-09	1.55E-08	4.48E-09	2.31E-09	6.79E-09
776	569860	4214923	3.64E-08	2.06E-08	5.70E-08	5.56E-09	3.14E-09	8.70E-09	2.51E-09	1.29E-09	3.80E-09
777	569864.7	4214931	3.74E-08	2.12E-08	5.86E-08	5.71E-09	3.22E-09	8.94E-09	2.58E-09	1.33E-09	3.91E-09
778	569869.3	4214940	3.87E-08	2.19E-08	6.06E-08	5.91E-09	3.33E-09	9.24E-09	2.67E-09	1.37E-09	4.04E-09
779	569874	4214948	4.02E-08	2.28E-08	6.30E-08	6.14E-09	3.46E-09	9.61E-09	2.77E-09	1.43E-09	4.20E-09
780	569878.7	4214957	4.21E-08	2.39E-08	6.60E-08	6.43E-09	3.63E-09	1.01E-08	2.90E-09	1.49E-09	4.39E-09
781	569883.3	4214965	4.46E-08	2.53E-08	6.98E-08	6.81E-09	3.84E-09	1.06E-08	3.07E-09	1.58E-09	4.65E-09
782	569888	4214974	4.73E-08	2.68E-08	7.41E-08	7.22E-09	4.08E-09	1.13E-08	3.26E-09	1.68E-09	4.94E-09
783	569892.7	4214982	5.03E-08	2.85E-08	7.89E-08	7.69E-09	4.34E-09	1.20E-08	3.47E-09	1.79E-09	5.26E-09
784	569897.4	4214991	5.38E-08	3.05E-08	8.43E-08	8.22E-09	4.64E-09	1.29E-08	3.71E-09	1.91E-09	5.62E-09
785	569902	4214999	5.79E-08	3.28E-08	9.07E-08	8.84E-09	4.99E-09	1.38E-08	3.99E-09	2.05E-09	6.04E-09
786	569906.7	4215008	6.25E-08	3.54E-08	9.79E-08	9.54E-09	5.39E-09	1.49E-08	4.31E-09	2.22E-09	6.52E-09
787	569911.4	4215016	6.78E-08	3.84E-08	1.06E-07	1.03E-08	5.84E-09	1.62E-08	4.67E-09	2.40E-09	7.07E-09
788	569851.2	4214927	3.72E-08	2.11E-08	5.83E-08	5.68E-09	3.21E-09	8.89E-09	2.56E-09	1.32E-09	3.88E-09
789	569855.9	4214936	3.82E-08	2.17E-08	5.99E-08	5.84E-09	3.30E-09	9.13E-09	2.64E-09	1.36E-09	3.99E-09

790	569860.6	4214944	3.96E-08	2.24E-08	6.20E-08	6.05E-09	3.41E-09	9.46E-09	2.73E-09	1.40E-09	4.13E-09
791	569865.2	4214953	4.13E-08	2.34E-08	6.47E-08	6.30E-09	3.56E-09	9.86E-09	2.85E-09	1.46E-09	4.31E-09
792	569869.9	4214961	4.35E-08	2.46E-08	6.81E-08	6.64E-09	3.74E-09	1.04E-08	2.99E-09	1.54E-09	4.54E-09
793	569874.6	4214970	4.60E-08	2.61E-08	7.21E-08	7.03E-09	3.97E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
794	569879.3	4214978	4.89E-08	2.77E-08	7.66E-08	7.47E-09	4.21E-09	1.17E-08	3.37E-09	1.73E-09	5.10E-09
795	569883.9	4214987	5.20E-08	2.95E-08	8.15E-08	7.95E-09	4.48E-09	1.24E-08	3.59E-09	1.85E-09	5.43E-09
796	569888.6	4214996	5.59E-08	3.17E-08	8.75E-08	8.53E-09	4.82E-09	1.33E-08	3.85E-09	1.98E-09	5.83E-09
797	569893.3	4215004	6.02E-08	3.41E-08	9.43E-08	9.19E-09	5.19E-09	1.44E-08	4.15E-09	2.14E-09	6.28E-09
798	569898	4215013	6.51E-08	3.69E-08	1.02E-07	9.94E-09	5.61E-09	1.55E-08	4.49E-09	2.31E-09	6.79E-09
799	569902.6	4215021	7.06E-08	4.00E-08	1.11E-07	1.08E-08	6.09E-09	1.69E-08	4.87E-09	2.51E-09	7.37E-09
800	569842.5	4214932	3.79E-08	2.15E-08	5.94E-08	5.79E-09	3.27E-09	9.06E-09	2.61E-09	1.35E-09	3.96E-09
801	569847.1	4214941	3.91E-08	2.21E-08	6.12E-08	5.97E-09	3.37E-09	9.34E-09	2.69E-09	1.39E-09	4.08E-09
802	569851.8	4214949	4.06E-08	2.30E-08	6.35E-08	6.19E-09	3.50E-09	9.69E-09	2.80E-09	1.44E-09	4.23E-09
803	569856.5	4214958	4.24E-08	2.40E-08	6.65E-08	6.48E-09	3.66E-09	1.01E-08	2.92E-09	1.51E-09	4.43E-09
804	569861.1	4214966	4.49E-08	2.54E-08	7.03E-08	6.85E-09	3.86E-09	1.07E-08	3.09E-09	1.59E-09	4.68E-09
805	569865.8	4214975	4.75E-08	2.69E-08	7.45E-08	7.26E-09	4.10E-09	1.14E-08	3.28E-09	1.69E-09	4.96E-09
806	569870.5	4214983	5.05E-08	2.86E-08	7.91E-08	7.71E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
807	569875.2	4214992	5.40E-08	3.06E-08	8.46E-08	8.24E-09	4.65E-09	1.29E-08	3.72E-09	1.92E-09	5.64E-09
808	569879.8	4215000	5.80E-08	3.29E-08	9.09E-08	8.86E-09	5.00E-09	1.39E-08	4.00E-09	2.06E-09	6.06E-09
809	569884.5	4215009	6.26E-08	3.55E-08	9.81E-08	9.56E-09	5.40E-09	1.50E-08	4.32E-09	2.22E-09	6.54E-09
810	569889.2	4215017	6.78E-08	3.84E-08	1.06E-07	1.04E-08	5.84E-09	1.62E-08	4.67E-09	2.40E-09	7.08E-09
811	569893.9	4215026	7.36E-08	4.17E-08	1.15E-07	1.12E-08	6.35E-09	1.76E-08	5.08E-09	2.61E-09	7.69E-09
812	569833.7	4214937	3.87E-08	2.19E-08	6.07E-08	5.92E-09	3.34E-09	9.25E-09	2.67E-09	1.37E-09	4.04E-09
813	569838.4	4214946	4.00E-08	2.27E-08	6.27E-08	6.11E-09	3.45E-09	9.56E-09	2.76E-09	1.42E-09	4.18E-09
814	569843	4214954	4.16E-08	2.36E-08	6.52E-08	6.35E-09	3.58E-09	9.93E-09	2.87E-09	1.48E-09	4.34E-09
815	569847.7	4214963	4.38E-08	2.48E-08	6.86E-08	6.68E-09	3.77E-09	1.05E-08	3.02E-09	1.55E-09	4.57E-09
816	569852.4	4214971	4.63E-08	2.62E-08	7.25E-08	7.07E-09	3.99E-09	1.11E-08	3.19E-09	1.64E-09	4.83E-09
817	569857.1	4214980	4.91E-08	2.78E-08	7.69E-08	7.49E-09	4.23E-09	1.17E-08	3.38E-09	1.74E-09	5.12E-09
818	569861.7	4214988	5.22E-08	2.96E-08	8.18E-08	7.97E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.45E-09
819	569866.4	4214997	5.60E-08	3.17E-08	8.77E-08	8.55E-09	4.82E-09	1.34E-08	3.86E-09	1.99E-09	5.84E-09
820	569871.1	4215005	6.03E-08	3.41E-08	9.44E-08	9.20E-09	5.19E-09	1.44E-08	4.15E-09	2.14E-09	6.29E-09
821	569875.8	4215014	6.51E-08	3.69E-08	1.02E-07	9.94E-09	5.61E-09	1.55E-08	4.49E-09	2.31E-09	6.79E-09
822	569880.4	4215022	7.05E-08	3.99E-08	1.10E-07	1.08E-08	6.08E-09	1.68E-08	4.86E-09	2.50E-09	7.36E-09
823	569885.1	4215031	7.67E-08	4.34E-08	1.20E-07	1.17E-08	6.61E-09	1.83E-08	5.28E-09	2.72E-09	8.00E-09
824	569941.2	4215133	4.61E-07	2.61E-07	7.22E-07	7.04E-08	3.97E-08	1.10E-07	3.18E-08	1.64E-08	4.81E-08
825	569945.9	4215141	5.14E-07	2.91E-07	8.06E-07	7.86E-08	4.43E-08	1.23E-07	3.55E-08	1.82E-08	5.37E-08
826	569950.6	4215150	5.66E-07	3.21E-07	8.87E-07	8.64E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
827	569824.9	4214942	3.96E-08	2.24E-08	6.20E-08	6.05E-09	3.41E-09	9.46E-09	2.73E-09	1.40E-09	4.13E-09
828	569829.6	4214950	4.10E-08	2.32E-08	6.42E-08	6.26E-09	3.53E-09	9.79E-09	2.82E-09	1.45E-09	4.28E-09
829	569834.3	4214959	4.28E-08	2.43E-08	6.71E-08	6.54E-09	3.69E-09	1.02E-08	2.95E-09	1.52E-09	4.47E-09
830	569838.9	4214967	4.51E-08	2.56E-08	7.07E-08	6.89E-09	3.89E-09	1.08E-08	3.11E-09	1.60E-09	4.71E-09
831	569843.6	4214976	4.77E-08	2.70E-08	7.47E-08	7.28E-09	4.11E-09	1.14E-08	3.29E-09	1.69E-09	4.98E-09
832	569848.3	4214984	5.06E-08	2.87E-08	7.92E-08	7.72E-09	4.36E-09	1.21E-08	3.49E-09	1.79E-09	5.28E-09
833	569853	4214993	5.40E-08	3.06E-08	8.47E-08	8.25E-09	4.66E-09	1.29E-08	3.72E-09	1.92E-09	5.64E-09
834	569857.6	4215001	5.80E-08	3.29E-08	9.09E-08	8.86E-09	5.00E-09	1.39E-08	4.00E-09	2.06E-09	6.06E-09
835	569862.3	4215010	6.25E-08	3.54E-08	9.80E-08	9.55E-09	5.39E-09	1.49E-08	4.31E-09	2.22E-09	6.53E-09
836	569867	4215018	6.76E-08	3.83E-08	1.06E-07	1.03E-08	5.82E-09	1.61E-08	4.66E-09	2.40E-09	7.05E-09
837	569871.7	4215027	7.32E-08	4.15E-08	1.15E-07	1.12E-08	6.31E-09	1.75E-08	5.05E-09	2.60E-09	7.64E-09
838	569876.3	4215035	7.97E-08	4.51E-08	1.25E-07	1.22E-08	6.86E-09	1.90E-08	5.49E-09	2.83E-09	8.31E-09
839	569927.8	4215129	3.98E-07	2.26E-07	6.24E-07	6.08E-08	3.43E-08	9.52E-08	2.75E-08	1.41E-08	4.16E-08
840	569932.4	4215137	4.44E-07	2.52E-07	6.96E-07	6.78E-08	3.83E-08	1.06E-07	3.06E-08	1.58E-08	4.64E-08
841	569937.1	4215146	4.89E-07	2.77E-07	7.67E-07	7.47E-08	4.22E-08	1.17E-07	3.37E-08	1.74E-08	5.11E-08
842	569941.8	4215154	5.34E-07	3.02E-07	8.36E-07	8.15E-08	4.60E-08	1.27E-07	3.68E-08	1.89E-08	5.57E-08
843	569816.2	4214947	4.05E-08	2.29E-08	6.34E-08	6.18E-09	3.49E-09	9.67E-09	2.79E-09	1.44E-09	4.22E-09
844	569820.8	4214955	4.20E-08	2.38E-08	6.58E-08	6.41E-09	3.62E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
845	569825.5	4214964	4.41E-08	2.50E-08	6.90E-08	6.73E-09	3.80E-09	1.05E-08	3.04E-09	1.56E-09	4.60E-09
846	569830.2	4214972	4.65E-08	2.63E-08	7.28E-08	7.09E-09	4.00E-09	1.11E-08	3.20E-09	1.65E-09	4.85E-09
847	569834.9	4214981	4.91E-08	2.78E-08	7.70E-08	7.50E-09	4.23E-09	1.17E-08	3.39E-09	1.74E-09	5.13E-09
848	569839.5	4214989	5.22E-08	2.96E-08	8.18E-08	7.98E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.45E-09
849	569844.2	4214998	5.59E-08	3.17E-08	8.76E-08	8.54E-09	4.82E-09	1.34E-08	3.85E-09	1.98E-09	5.84E-09
850	569848.9	4215006	6.01E-08	3.41E-08	9.42E-08	9.18E-09	5.18E-09	1.44E-08	4.14E-09	2.13E-09	6.28E-09

851	569853.6	4215015	6.48E-08	3.67E-08	1.02E-07	9.90E-09	5.59E-09	1.55E-08	4.47E-09	2.30E-09	6.77E-09
852	569858.2	4215023	7.00E-08	3.97E-08	1.10E-07	1.07E-08	6.03E-09	1.67E-08	4.83E-09	2.48E-09	7.31E-09
853	569862.9	4215032	7.59E-08	4.30E-08	1.19E-07	1.16E-08	6.54E-09	1.81E-08	5.23E-09	2.69E-09	7.92E-09
854	569914.3	4215125	3.31E-07	1.88E-07	5.19E-07	5.06E-08	2.86E-08	7.92E-08	2.28E-08	1.18E-08	3.46E-08
855	569919	4215134	3.90E-07	2.21E-07	6.11E-07	5.96E-08	3.36E-08	9.32E-08	2.69E-08	1.38E-08	4.07E-08
856	569923.7	4215142	4.26E-07	2.41E-07	6.67E-07	6.50E-08	3.67E-08	1.02E-07	2.93E-08	1.51E-08	4.44E-08
857	569928.4	4215151	4.65E-07	2.64E-07	7.29E-07	7.10E-08	4.01E-08	1.11E-07	3.21E-08	1.65E-08	4.86E-08
858	569933	4215159	5.03E-07	2.85E-07	7.88E-07	7.68E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.25E-08
859	569802.7	4214943	4.02E-08	2.28E-08	6.29E-08	6.14E-09	3.46E-09	9.60E-09	2.77E-09	1.43E-09	4.19E-09
860	569807.4	4214952	4.15E-08	2.35E-08	6.49E-08	6.33E-09	3.57E-09	9.90E-09	2.86E-09	1.47E-09	4.33E-09
861	569812.1	4214960	4.32E-08	2.45E-08	6.76E-08	6.59E-09	3.72E-09	1.03E-08	2.98E-09	1.53E-09	4.51E-09
862	569816.7	4214969	4.53E-08	2.57E-08	7.10E-08	6.92E-09	3.91E-09	1.08E-08	3.12E-09	1.61E-09	4.73E-09
863	569821.4	4214977	4.78E-08	2.71E-08	7.49E-08	7.30E-09	4.12E-09	1.14E-08	3.29E-09	1.70E-09	4.99E-09
864	569826.1	4214986	5.06E-08	2.86E-08	7.92E-08	7.72E-09	4.36E-09	1.21E-08	3.48E-09	1.79E-09	5.28E-09
865	569830.8	4214994	5.40E-08	3.06E-08	8.45E-08	8.24E-09	4.65E-09	1.29E-08	3.72E-09	1.91E-09	5.63E-09
866	569835.4	4215003	5.78E-08	3.28E-08	9.06E-08	8.83E-09	4.98E-09	1.38E-08	3.98E-09	2.05E-09	6.04E-09
867	569840.1	4215011	6.22E-08	3.52E-08	9.74E-08	9.50E-09	5.36E-09	1.49E-08	4.29E-09	2.21E-09	6.49E-09
868	569844.8	4215020	6.71E-08	3.80E-08	1.05E-07	1.02E-08	5.78E-09	1.60E-08	4.62E-09	2.38E-09	7.00E-09
869	569849.5	4215028	7.24E-08	4.10E-08	1.13E-07	1.11E-08	6.24E-09	1.73E-08	4.99E-09	2.57E-09	7.56E-09
870	569854.1	4215037	7.85E-08	4.45E-08	1.23E-07	1.20E-08	6.76E-09	1.87E-08	5.41E-09	2.78E-09	8.19E-09
871	569905.6	4215130	3.28E-07	1.86E-07	5.14E-07	5.01E-08	2.83E-08	7.83E-08	2.26E-08	1.16E-08	3.42E-08
872	569910.2	4215139	3.79E-07	2.15E-07	5.93E-07	5.79E-08	3.26E-08	9.05E-08	2.61E-08	1.34E-08	3.95E-08
873	569914.9	4215147	4.08E-07	2.31E-07	6.39E-07	6.22E-08	3.51E-08	9.74E-08	2.81E-08	1.45E-08	4.26E-08
874	569919.6	4215156	4.43E-07	2.51E-07	6.93E-07	6.76E-08	3.81E-08	1.06E-07	3.05E-08	1.57E-08	4.62E-08
875	569924.3	4215164	4.74E-07	2.69E-07	7.43E-07	7.24E-08	4.09E-08	1.13E-07	3.27E-08	1.68E-08	4.95E-08
876	569792.9	4214939	3.99E-08	2.26E-08	6.25E-08	6.09E-09	3.44E-09	9.53E-09	2.75E-09	1.41E-09	4.16E-09
877	569794	4214948	4.11E-08	2.33E-08	6.44E-08	6.28E-09	3.54E-09	9.82E-09	2.83E-09	1.46E-09	4.29E-09
878	569798.6	4214956	4.25E-08	2.41E-08	6.66E-08	6.49E-09	3.66E-09	1.02E-08	2.93E-09	1.51E-09	4.44E-09
879	569803.3	4214965	4.44E-08	2.52E-08	6.96E-08	6.79E-09	3.83E-09	1.06E-08	3.06E-09	1.58E-09	4.64E-09
880	569808	4214973	4.66E-08	2.64E-08	7.31E-08	7.12E-09	4.02E-09	1.11E-08	3.21E-09	1.65E-09	4.87E-09
881	569812.7	4214982	4.91E-08	2.78E-08	7.70E-08	7.50E-09	4.23E-09	1.17E-08	3.39E-09	1.74E-09	5.13E-09
882	569817.3	4214990	5.21E-08	2.95E-08	8.17E-08	7.96E-09	4.49E-09	1.25E-08	3.59E-09	1.85E-09	5.44E-09
883	569822	4214999	5.57E-08	3.15E-08	8.72E-08	8.50E-09	4.80E-09	1.33E-08	3.84E-09	1.97E-09	5.81E-09
884	569826.7	4215007	5.97E-08	3.38E-08	9.35E-08	9.11E-09	5.14E-09	1.43E-08	4.11E-09	2.12E-09	6.23E-09
885	569831.4	4215016	6.42E-08	3.64E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
886	569836	4215024	6.91E-08	3.92E-08	1.08E-07	1.06E-08	5.96E-09	1.65E-08	4.76E-09	2.45E-09	7.22E-09
887	569840.7	4215033	7.47E-08	4.23E-08	1.17E-07	1.14E-08	6.44E-09	1.78E-08	5.15E-09	2.65E-09	7.80E-09
888	569896.8	4215135	3.25E-07	1.84E-07	5.09E-07	4.96E-08	2.80E-08	7.76E-08	2.24E-08	1.15E-08	3.39E-08
889	569901.5	4215143	3.66E-07	2.08E-07	5.74E-07	5.60E-08	3.16E-08	8.75E-08	2.53E-08	1.30E-08	3.82E-08
890	569906.2	4215152	3.91E-07	2.21E-07	6.12E-07	5.97E-08	3.37E-08	9.33E-08	2.69E-08	1.39E-08	4.08E-08
891	569910.8	4215160	4.21E-07	2.39E-07	6.60E-07	6.43E-08	3.63E-08	1.01E-07	2.90E-08	1.49E-08	4.40E-08
892	569915.5	4215169	4.48E-07	2.54E-07	7.01E-07	6.84E-08	3.86E-08	1.07E-07	3.08E-08	1.59E-08	4.67E-08
893	569784.2	4214944	4.07E-08	2.31E-08	6.38E-08	6.22E-09	3.51E-09	9.73E-09	2.81E-09	1.45E-09	4.25E-09
894	569783.1	4214935	3.97E-08	2.25E-08	6.22E-08	6.07E-09	3.42E-09	9.49E-09	2.74E-09	1.41E-09	4.15E-09
895	569789.9	4214961	4.37E-08	2.47E-08	6.84E-08	6.67E-09	3.76E-09	1.04E-08	3.01E-09	1.55E-09	4.56E-09
896	569794.5	4214970	4.57E-08	2.59E-08	7.15E-08	6.97E-09	3.94E-09	1.09E-08	3.15E-09	1.62E-09	4.77E-09
897	569799.2	4214978	4.79E-08	2.72E-08	7.51E-08	7.32E-09	4.13E-09	1.15E-08	3.30E-09	1.70E-09	5.00E-09
898	569803.9	4214987	5.05E-08	2.86E-08	7.91E-08	7.72E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
899	569808.6	4214995	5.37E-08	3.04E-08	8.41E-08	8.20E-09	4.63E-09	1.28E-08	3.70E-09	1.91E-09	5.61E-09
900	569813.2	4215004	5.74E-08	3.25E-08	8.99E-08	8.76E-09	4.94E-09	1.37E-08	3.95E-09	2.03E-09	5.99E-09
901	569817.9	4215012	6.15E-08	3.48E-08	9.63E-08	9.39E-09	5.30E-09	1.47E-08	4.24E-09	2.18E-09	6.42E-09
902	569822.6	4215021	6.60E-08	3.74E-08	1.03E-07	1.01E-08	5.69E-09	1.58E-08	4.55E-09	2.34E-09	6.89E-09
903	569827.3	4215029	7.10E-08	4.03E-08	1.11E-07	1.08E-08	6.12E-09	1.70E-08	4.90E-09	2.52E-09	7.42E-09
904	569831.9	4215038	7.67E-08	4.34E-08	1.20E-07	1.17E-08	6.61E-09	1.83E-08	5.28E-09	2.72E-09	8.00E-09
905	569888	4215140	3.17E-07	1.80E-07	4.96E-07	4.84E-08	2.73E-08	7.57E-08	2.18E-08	1.12E-08	3.31E-08
906	569892.7	4215148	3.53E-07	2.00E-07	5.53E-07	5.39E-08	3.04E-08	8.43E-08	2.43E-08	1.25E-08	3.68E-08
907	569897.4	4215157	3.73E-07	2.11E-07	5.85E-07	5.70E-08	3.22E-08	8.91E-08	2.57E-08	1.32E-08	3.90E-08
908	569902.1	4215165	4.01E-07	2.27E-07	6.29E-07	6.13E-08	3.46E-08	9.59E-08	2.77E-08	1.42E-08	4.19E-08
909	569906.7	4215174	4.20E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
910	569775.3	4214948	4.16E-08	2.36E-08	6.51E-08	6.35E-09	3.58E-09	9.93E-09	2.87E-09	1.47E-09	4.34E-09
911	569774.2	4214939	4.04E-08	2.29E-08	6.33E-08	6.17E-09	3.48E-09	9.65E-09	2.78E-09	1.43E-09	4.22E-09

912	569773.1	4214929	3.95E-08	2.24E-08	6.19E-08	6.04E-09	3.41E-09	9.44E-09	2.72E-09	1.40E-09	4.13E-09
913	569776.4	4214958	4.31E-08	2.44E-08	6.75E-08	6.58E-09	3.71E-09	1.03E-08	2.97E-09	1.53E-09	4.50E-09
914	569781.1	4214966	4.48E-08	2.54E-08	7.02E-08	6.85E-09	3.86E-09	1.07E-08	3.09E-09	1.59E-09	4.68E-09
915	569785.8	4214975	4.69E-08	2.65E-08	7.34E-08	7.16E-09	4.04E-09	1.12E-08	3.23E-09	1.66E-09	4.89E-09
916	569790.5	4214983	4.92E-08	2.79E-08	7.71E-08	7.52E-09	4.24E-09	1.18E-08	3.39E-09	1.75E-09	5.14E-09
917	569795.1	4214992	5.20E-08	2.95E-08	8.15E-08	7.94E-09	4.48E-09	1.24E-08	3.58E-09	1.84E-09	5.43E-09
918	569799.8	4215000	5.52E-08	3.13E-08	8.65E-08	8.43E-09	4.76E-09	1.32E-08	3.80E-09	1.96E-09	5.76E-09
919	569804.5	4215009	5.89E-08	3.33E-08	9.22E-08	8.99E-09	5.07E-09	1.41E-08	4.06E-09	2.09E-09	6.14E-09
920	569809.2	4215017	6.31E-08	3.57E-08	9.88E-08	9.63E-09	5.43E-09	1.51E-08	4.35E-09	2.24E-09	6.58E-09
921	569813.8	4215026	6.77E-08	3.84E-08	1.06E-07	1.03E-08	5.84E-09	1.62E-08	4.67E-09	2.40E-09	7.07E-09
922	569818.5	4215034	7.28E-08	4.13E-08	1.14E-07	1.11E-08	6.27E-09	1.74E-08	5.02E-09	2.58E-09	7.60E-09
923	569823.2	4215043	7.85E-08	4.45E-08	1.23E-07	1.20E-08	6.76E-09	1.87E-08	5.41E-09	2.78E-09	8.19E-09
924	569879.3	4215145	3.06E-07	1.73E-07	4.79E-07	4.67E-08	2.64E-08	7.31E-08	2.11E-08	1.08E-08	3.19E-08
925	569884	4215153	3.38E-07	1.91E-07	5.29E-07	5.16E-08	2.91E-08	8.07E-08	2.33E-08	1.20E-08	3.53E-08
926	569888.6	4215162	3.55E-07	2.01E-07	5.57E-07	5.43E-08	3.06E-08	8.49E-08	2.45E-08	1.26E-08	3.71E-08
927	569893.3	4215170	3.77E-07	2.14E-07	5.91E-07	5.76E-08	3.25E-08	9.02E-08	2.60E-08	1.34E-08	3.94E-08
928	569898	4215179	3.94E-07	2.23E-07	6.17E-07	6.01E-08	3.39E-08	9.40E-08	2.71E-08	1.40E-08	4.11E-08
929	569766.6	4214953	4.26E-08	2.41E-08	6.67E-08	6.50E-09	3.67E-09	1.02E-08	2.93E-09	1.51E-09	4.44E-09
930	569765.5	4214944	4.13E-08	2.34E-08	6.47E-08	6.31E-09	3.56E-09	9.86E-09	2.85E-09	1.46E-09	4.31E-09
931	569764.4	4214934	4.03E-08	2.28E-08	6.31E-08	6.15E-09	3.47E-09	9.63E-09	2.78E-09	1.43E-09	4.21E-09
932	569763.3	4214925	3.96E-08	2.24E-08	6.21E-08	6.05E-09	3.41E-09	9.46E-09	2.73E-09	1.41E-09	4.14E-09
933	569777.2	4214821	2.35E-08	1.33E-08	3.69E-08	3.59E-09	2.03E-09	5.62E-09	1.62E-09	8.35E-10	2.46E-09
934	569782.9	4214813	2.25E-08	1.27E-08	3.53E-08	3.44E-09	1.94E-09	5.38E-09	1.55E-09	7.98E-10	2.35E-09
935	569767.7	4214962	4.42E-08	2.51E-08	6.93E-08	6.76E-09	3.81E-09	1.06E-08	3.05E-09	1.57E-09	4.62E-09
936	569772.3	4214971	4.60E-08	2.61E-08	7.21E-08	7.03E-09	3.96E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
937	569777	4214979	4.81E-08	2.72E-08	7.53E-08	7.34E-09	4.14E-09	1.15E-08	3.31E-09	1.71E-09	5.02E-09
938	569781.7	4214988	5.05E-08	2.86E-08	7.91E-08	7.71E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
939	569786.4	4214996	5.33E-08	3.02E-08	8.35E-08	8.14E-09	4.59E-09	1.27E-08	3.67E-09	1.89E-09	5.57E-09
940	569791	4215005	5.65E-08	3.20E-08	8.86E-08	8.63E-09	4.87E-09	1.35E-08	3.90E-09	2.01E-09	5.90E-09
941	569795.7	4215013	6.02E-08	3.41E-08	9.43E-08	9.19E-09	5.19E-09	1.44E-08	4.15E-09	2.13E-09	6.28E-09
942	569800.4	4215022	6.44E-08	3.65E-08	1.01E-07	9.83E-09	5.55E-09	1.54E-08	4.43E-09	2.28E-09	6.72E-09
943	569805.1	4215030	6.90E-08	3.91E-08	1.08E-07	1.05E-08	5.95E-09	1.65E-08	4.76E-09	2.45E-09	7.21E-09
944	569809.7	4215039	7.43E-08	4.21E-08	1.16E-07	1.13E-08	6.40E-09	1.77E-08	5.12E-09	2.63E-09	7.75E-09
945	569814.4	4215047	8.00E-08	4.53E-08	1.25E-07	1.22E-08	6.90E-09	1.91E-08	5.51E-09	2.84E-09	8.35E-09
946	569819.1	4215056	8.62E-08	4.88E-08	1.35E-07	1.32E-08	7.43E-09	2.06E-08	5.94E-09	3.06E-09	9.00E-09
947	569870.5	4215149	2.90E-07	1.64E-07	4.54E-07	4.42E-08	2.49E-08	6.92E-08	2.00E-08	1.03E-08	3.02E-08
948	569875.2	4215158	3.22E-07	1.82E-07	5.04E-07	4.91E-08	2.77E-08	7.68E-08	2.22E-08	1.14E-08	3.36E-08
949	569879.9	4215166	3.47E-07	1.96E-07	5.43E-07	5.29E-08	2.99E-08	8.28E-08	2.39E-08	1.23E-08	3.62E-08
950	569884.5	4215175	3.55E-07	2.01E-07	5.56E-07	5.42E-08	3.06E-08	8.48E-08	2.45E-08	1.26E-08	3.70E-08
951	569889.2	4215183	3.70E-07	2.09E-07	5.79E-07	5.65E-08	3.19E-08	8.83E-08	2.55E-08	1.31E-08	3.86E-08
952	569757.8	4214958	4.36E-08	2.47E-08	6.83E-08	6.66E-09	3.76E-09	1.04E-08	3.01E-09	1.55E-09	4.55E-09
953	569756.7	4214949	4.22E-08	2.39E-08	6.62E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
954	569755.7	4214940	4.11E-08	2.33E-08	6.45E-08	6.28E-09	3.55E-09	9.83E-09	2.84E-09	1.46E-09	4.30E-09
955	569754.6	4214930	4.03E-08	2.28E-08	6.32E-08	6.16E-09	3.47E-09	9.63E-09	2.78E-09	1.43E-09	4.21E-09
956	569753.5	4214921	3.98E-08	2.26E-08	6.24E-08	6.08E-09	3.43E-09	9.51E-09	2.74E-09	1.41E-09	4.16E-09
957	569750.4	4214841	2.58E-08	1.46E-08	4.04E-08	3.94E-09	2.22E-09	6.16E-09	1.78E-09	9.15E-10	2.69E-09
958	569756	4214833	2.47E-08	1.40E-08	3.87E-08	3.78E-09	2.13E-09	5.91E-09	1.70E-09	8.77E-10	2.58E-09
959	569767.2	4214818	2.30E-08	1.30E-08	3.60E-08	3.51E-09	1.98E-09	5.48E-09	1.58E-09	8.14E-10	2.40E-09
960	569772.8	4214811	2.20E-08	1.25E-08	3.45E-08	3.37E-09	1.90E-09	5.27E-09	1.52E-09	7.82E-10	2.30E-09
961	569784	4214796	2.06E-08	1.17E-08	3.23E-08	3.15E-09	1.78E-09	4.93E-09	1.42E-09	7.32E-10	2.15E-09
962	569758.9	4214967	4.53E-08	2.57E-08	7.10E-08	6.92E-09	3.91E-09	1.08E-08	3.12E-09	1.61E-09	4.73E-09
963	569763.6	4214976	4.71E-08	2.67E-08	7.39E-08	7.20E-09	4.06E-09	1.13E-08	3.25E-09	1.67E-09	4.92E-09
964	569768.3	4214984	4.92E-08	2.79E-08	7.71E-08	7.52E-09	4.24E-09	1.18E-08	3.39E-09	1.75E-09	5.14E-09
965	569772.9	4214993	5.18E-08	2.93E-08	8.11E-08	7.91E-09	4.46E-09	1.24E-08	3.57E-09	1.84E-09	5.41E-09
966	569777.6	4215001	5.46E-08	3.10E-08	8.56E-08	8.34E-09	4.71E-09	1.31E-08	3.77E-09	1.94E-09	5.70E-09
967	569782.3	4215010	5.78E-08	3.27E-08	9.05E-08	8.82E-09	4.98E-09	1.38E-08	3.98E-09	2.05E-09	6.03E-09
968	569787	4215018	6.14E-08	3.48E-08	9.61E-08	9.37E-09	5.29E-09	1.47E-08	4.23E-09	2.18E-09	6.41E-09
969	569791.6	4215027	6.55E-08	3.71E-08	1.03E-07	1.00E-08	5.65E-09	1.57E-08	4.52E-09	2.32E-09	6.84E-09
970	569796.3	4215035	7.02E-08	3.98E-08	1.10E-07	1.07E-08	6.05E-09	1.68E-08	4.84E-09	2.49E-09	7.33E-09
971	569801	4215044	7.53E-08	4.27E-08	1.18E-07	1.15E-08	6.49E-09	1.80E-08	5.19E-09	2.67E-09	7.86E-09
972	569805.7	4215052	8.10E-08	4.59E-08	1.27E-07	1.24E-08	6.98E-09	1.93E-08	5.58E-09	2.87E-09	8.45E-09

973	569810.3	4215061	8.71E-08	4.94E-08	1.37E-07	1.33E-08	7.51E-09	2.08E-08	6.00E-09	3.09E-09	9.10E-09
974	569861.8	4215154	2.66E-07	1.51E-07	4.17E-07	4.07E-08	2.30E-08	6.36E-08	1.84E-08	9.45E-09	2.78E-08
975	569866.4	4215163	2.99E-07	1.70E-07	4.69E-07	4.57E-08	2.58E-08	7.15E-08	2.06E-08	1.06E-08	3.13E-08
976	569871.1	4215171	3.26E-07	1.85E-07	5.11E-07	4.98E-08	2.81E-08	7.79E-08	2.25E-08	1.16E-08	3.40E-08
977	569875.8	4215180	3.44E-07	1.95E-07	5.39E-07	5.25E-08	2.96E-08	8.22E-08	2.37E-08	1.22E-08	3.59E-08
978	569880.5	4215188	3.50E-07	1.98E-07	5.48E-07	5.34E-08	3.02E-08	8.36E-08	2.41E-08	1.24E-08	3.65E-08
979	569749.1	4214963	4.47E-08	2.53E-08	7.00E-08	6.83E-09	3.85E-09	1.07E-08	3.08E-09	1.59E-09	4.67E-09
980	569748	4214954	4.32E-08	2.45E-08	6.77E-08	6.60E-09	3.73E-09	1.03E-08	2.98E-09	1.53E-09	4.51E-09
981	569746.9	4214945	4.21E-08	2.38E-08	6.59E-08	6.42E-09	3.62E-09	1.00E-08	2.90E-09	1.49E-09	4.39E-09
982	569745.9	4214936	4.11E-08	2.33E-08	6.44E-08	6.28E-09	3.54E-09	9.82E-09	2.83E-09	1.46E-09	4.29E-09
983	569744.8	4214927	4.04E-08	2.29E-08	6.33E-08	6.17E-09	3.48E-09	9.65E-09	2.78E-09	1.43E-09	4.22E-09
984	569743.7	4214918	3.98E-08	2.26E-08	6.24E-08	6.08E-09	3.43E-09	9.52E-09	2.75E-09	1.41E-09	4.16E-09
985	569736.2	4214854	2.82E-08	1.60E-08	4.42E-08	4.31E-09	2.43E-09	6.74E-09	1.94E-09	1.00E-09	2.94E-09
986	569740.7	4214838	2.54E-08	1.44E-08	3.98E-08	3.88E-09	2.19E-09	6.07E-09	1.75E-09	9.01E-10	2.65E-09
987	569746.2	4214831	2.43E-08	1.38E-08	3.81E-08	3.72E-09	2.10E-09	5.81E-09	1.68E-09	8.63E-10	2.54E-09
988	569757.3	4214816	2.25E-08	1.27E-08	3.52E-08	3.43E-09	1.94E-09	5.37E-09	1.55E-09	7.97E-10	2.35E-09
989	569768.3	4214802	2.10E-08	1.19E-08	3.29E-08	3.21E-09	1.81E-09	5.02E-09	1.45E-09	7.45E-10	2.19E-09
990	569779.4	4214787	1.98E-08	1.12E-08	3.11E-08	3.03E-09	1.71E-09	4.74E-09	1.37E-09	7.04E-10	2.07E-09
991	569750.1	4214972	4.64E-08	2.63E-08	7.27E-08	7.09E-09	4.00E-09	1.11E-08	3.20E-09	1.65E-09	4.84E-09
992	569754.8	4214980	4.82E-08	2.73E-08	7.56E-08	7.37E-09	4.16E-09	1.15E-08	3.32E-09	1.71E-09	5.03E-09
993	569759.5	4214989	5.05E-08	2.86E-08	7.91E-08	7.71E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
994	569764.2	4214997	5.31E-08	3.01E-08	8.31E-08	8.10E-09	4.57E-09	1.27E-08	3.66E-09	1.88E-09	5.54E-09
995	569768.8	4215006	5.59E-08	3.17E-08	8.76E-08	8.54E-09	4.82E-09	1.34E-08	3.85E-09	1.98E-09	5.84E-09
996	569773.5	4215014	5.91E-08	3.35E-08	9.25E-08	9.02E-09	5.09E-09	1.41E-08	4.07E-09	2.10E-09	6.17E-09
997	569778.2	4215023	6.27E-08	3.55E-08	9.82E-08	9.57E-09	5.40E-09	1.50E-08	4.32E-09	2.22E-09	6.54E-09
998	569782.9	4215031	6.66E-08	3.78E-08	1.04E-07	1.02E-08	5.74E-09	1.59E-08	4.59E-09	2.36E-09	6.96E-09
999	569787.5	4215040	7.12E-08	4.03E-08	1.11E-07	1.09E-08	6.13E-09	1.70E-08	4.90E-09	2.52E-09	7.43E-09
1000	569792.2	4215048	7.62E-08	4.32E-08	1.19E-07	1.16E-08	6.56E-09	1.82E-08	5.25E-09	2.70E-09	7.95E-09
1001	569796.9	4215057	8.17E-08	4.63E-08	1.28E-07	1.25E-08	7.04E-09	1.95E-08	5.63E-09	2.90E-09	8.53E-09
1002	569801.6	4215066	8.77E-08	4.97E-08	1.37E-07	1.34E-08	7.56E-09	2.10E-08	6.05E-09	3.11E-09	9.16E-09
1003	569806.2	4215074	9.42E-08	5.34E-08	1.48E-07	1.44E-08	8.12E-09	2.25E-08	6.49E-09	3.34E-09	9.83E-09
1004	569853	4215159	2.44E-07	1.38E-07	3.82E-07	3.72E-08	2.10E-08	5.82E-08	1.68E-08	8.64E-09	2.54E-08
1005	569857.7	4215168	2.76E-07	1.56E-07	4.32E-07	4.21E-08	2.38E-08	6.59E-08	1.90E-08	9.78E-09	2.88E-08
1006	569862.3	4215176	3.05E-07	1.73E-07	4.77E-07	4.65E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08
1007	569867	4215185	3.25E-07	1.84E-07	5.10E-07	4.97E-08	2.80E-08	7.77E-08	2.24E-08	1.15E-08	3.40E-08
1008	569871.7	4215193	3.33E-07	1.89E-07	5.22E-07	5.09E-08	2.87E-08	7.96E-08	2.30E-08	1.18E-08	3.48E-08
1009	569740.2	4214967	4.56E-08	2.59E-08	7.15E-08	6.97E-09	3.93E-09	1.09E-08	3.15E-09	1.62E-09	4.76E-09
1010	569739.1	4214958	4.41E-08	2.50E-08	6.91E-08	6.73E-09	3.80E-09	1.05E-08	3.04E-09	1.56E-09	4.60E-09
1011	569738	4214948	4.28E-08	2.42E-08	6.70E-08	6.53E-09	3.69E-09	1.02E-08	2.95E-09	1.52E-09	4.47E-09
1012	569736.8	4214938	4.17E-08	2.36E-08	6.54E-08	6.37E-09	3.60E-09	9.97E-09	2.88E-09	1.48E-09	4.36E-09
1013	569735.7	4214929	4.09E-08	2.32E-08	6.41E-08	6.25E-09	3.52E-09	9.77E-09	2.82E-09	1.45E-09	4.27E-09
1014	569734.6	4214919	4.01E-08	2.27E-08	6.28E-08	6.12E-09	3.45E-09	9.58E-09	2.76E-09	1.42E-09	4.18E-09
1015	569727.8	4214862	2.95E-08	1.67E-08	4.62E-08	4.51E-09	2.54E-09	7.05E-09	2.03E-09	1.05E-09	3.08E-09
1016	569726.6	4214852	2.77E-08	1.57E-08	4.34E-08	4.23E-09	2.39E-09	6.62E-09	1.91E-09	9.83E-10	2.89E-09
1017	569731.4	4214835	2.50E-08	1.41E-08	3.91E-08	3.81E-09	2.15E-09	5.96E-09	1.72E-09	8.85E-10	2.60E-09
1018	569737.2	4214827	2.39E-08	1.36E-08	3.75E-08	3.65E-09	2.06E-09	5.72E-09	1.65E-09	8.49E-10	2.50E-09
1019	569743.1	4214820	2.29E-08	1.30E-08	3.59E-08	3.50E-09	1.98E-09	5.48E-09	1.58E-09	8.13E-10	2.39E-09
1020	569748.9	4214812	2.20E-08	1.24E-08	3.44E-08	3.35E-09	1.89E-09	5.25E-09	1.51E-09	7.79E-10	2.29E-09
1021	569754.8	4214804	2.11E-08	1.20E-08	3.31E-08	3.23E-09	1.82E-09	5.05E-09	1.46E-09	7.50E-10	2.21E-09
1022	569760.6	4214797	2.06E-08	1.17E-08	3.22E-08	3.14E-09	1.77E-09	4.91E-09	1.42E-09	7.30E-10	2.15E-09
1023	569766.5	4214789	2.00E-08	1.13E-08	3.13E-08	3.05E-09	1.72E-09	4.78E-09	1.38E-09	7.09E-10	2.09E-09
1024	569772.3	4214781	1.94E-08	1.10E-08	3.04E-08	2.96E-09	1.67E-09	4.63E-09	1.34E-09	6.88E-10	2.02E-09
1025	569741.4	4214977	4.75E-08	2.69E-08	7.44E-08	7.25E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.95E-09
1026	569746.1	4214985	4.93E-08	2.79E-08	7.72E-08	7.53E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
1027	569750.7	4214994	5.16E-08	2.92E-08	8.09E-08	7.88E-09	4.45E-09	1.23E-08	3.56E-09	1.83E-09	5.39E-09
1028	569755.4	4215002	5.42E-08	3.07E-08	8.50E-08	8.28E-09	4.67E-09	1.30E-08	3.74E-09	1.92E-09	5.66E-09
1029	569760.1	4215011	5.71E-08	3.24E-08	8.95E-08	8.72E-09	4.92E-09	1.36E-08	3.94E-09	2.03E-09	5.96E-09
1030	569764.8	4215019	6.03E-08	3.42E-08	9.45E-08	9.21E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.30E-09
1031	569769.4	4215028	6.39E-08	3.62E-08	1.00E-07	9.76E-09	5.51E-09	1.53E-08	4.40E-09	2.27E-09	6.67E-09
1032	569774.1	4215036	6.79E-08	3.84E-08	1.06E-07	1.04E-08	5.85E-09	1.62E-08	4.68E-09	2.41E-09	7.08E-09
1033	569778.8	4215045	7.21E-08	4.09E-08	1.13E-07	1.10E-08	6.21E-09	1.72E-08	4.97E-09	2.56E-09	7.53E-09

1034	569783.5	4215053	7.70E-08	4.36E-08	1.21E-07	1.18E-08	6.63E-09	1.84E-08	5.30E-09	2.73E-09	8.03E-09
1035	569788.1	4215062	8.23E-08	4.66E-08	1.29E-07	1.26E-08	7.09E-09	1.97E-08	5.67E-09	2.92E-09	8.59E-09
1036	569792.8	4215070	8.81E-08	4.99E-08	1.38E-07	1.35E-08	7.59E-09	2.11E-08	6.07E-09	3.13E-09	9.20E-09
1037	569797.5	4215079	9.44E-08	5.35E-08	1.48E-07	1.44E-08	8.13E-09	2.25E-08	6.50E-09	3.35E-09	9.85E-09
1038	569844.2	4215164	2.22E-07	1.26E-07	3.48E-07	3.39E-08	1.91E-08	5.30E-08	1.53E-08	7.88E-09	2.32E-08
1039	569848.9	4215172	2.57E-07	1.46E-07	4.02E-07	3.92E-08	2.21E-08	6.13E-08	1.77E-08	9.11E-09	2.68E-08
1040	569853.6	4215181	2.87E-07	1.63E-07	4.50E-07	4.39E-08	2.48E-08	6.87E-08	1.98E-08	1.02E-08	3.00E-08
1041	569858.3	4215189	3.09E-07	1.75E-07	4.84E-07	4.72E-08	2.66E-08	7.39E-08	2.13E-08	1.10E-08	3.23E-08
1042	569862.9	4215198	3.22E-07	1.83E-07	5.05E-07	4.92E-08	2.78E-08	7.70E-08	2.22E-08	1.14E-08	3.36E-08
1043	569731.5	4214972	4.67E-08	2.64E-08	7.31E-08	7.13E-09	4.02E-09	1.12E-08	3.22E-09	1.66E-09	4.87E-09
1044	569730.4	4214963	4.51E-08	2.56E-08	7.07E-08	6.89E-09	3.89E-09	1.08E-08	3.11E-09	1.60E-09	4.71E-09
1045	569729.3	4214953	4.38E-08	2.48E-08	6.86E-08	6.69E-09	3.77E-09	1.05E-08	3.02E-09	1.55E-09	4.57E-09
1046	569728.1	4214944	4.27E-08	2.42E-08	6.68E-08	6.51E-09	3.68E-09	1.02E-08	2.94E-09	1.51E-09	4.45E-09
1047	569727	4214934	4.17E-08	2.36E-08	6.54E-08	6.37E-09	3.60E-09	9.97E-09	2.88E-09	1.48E-09	4.36E-09
1048	569725.9	4214925	4.09E-08	2.32E-08	6.41E-08	6.25E-09	3.53E-09	9.77E-09	2.82E-09	1.45E-09	4.27E-09
1049	569724.8	4214916	3.98E-08	2.25E-08	6.23E-08	6.07E-09	3.43E-09	9.50E-09	2.74E-09	1.41E-09	4.15E-09
1050	569719.2	4214868	3.07E-08	1.74E-08	4.82E-08	4.70E-09	2.65E-09	7.34E-09	2.12E-09	1.09E-09	3.21E-09
1051	569718.1	4214859	2.89E-08	1.64E-08	4.53E-08	4.42E-09	2.49E-09	6.91E-09	1.99E-09	1.03E-09	3.02E-09
1052	569717	4214849	2.73E-08	1.55E-08	4.28E-08	4.17E-09	2.35E-09	6.53E-09	1.88E-09	9.69E-10	2.85E-09
1053	569721.6	4214832	2.47E-08	1.40E-08	3.87E-08	3.77E-09	2.13E-09	5.90E-09	1.70E-09	8.76E-10	2.58E-09
1054	569727.4	4214825	2.37E-08	1.34E-08	3.71E-08	3.62E-09	2.04E-09	5.66E-09	1.63E-09	8.40E-10	2.47E-09
1055	569733.2	4214817	2.28E-08	1.29E-08	3.56E-08	3.47E-09	1.96E-09	5.43E-09	1.57E-09	8.07E-10	2.37E-09
1056	569738.9	4214810	2.18E-08	1.24E-08	3.42E-08	3.34E-09	1.88E-09	5.22E-09	1.51E-09	7.75E-10	2.28E-09
1057	569744.7	4214802	2.11E-08	1.20E-08	3.31E-08	3.22E-09	1.82E-09	5.04E-09	1.45E-09	7.49E-10	2.20E-09
1058	569750.5	4214795	2.05E-08	1.16E-08	3.21E-08	3.13E-09	1.77E-09	4.89E-09	1.41E-09	7.27E-10	2.14E-09
1059	569756.2	4214787	1.99E-08	1.13E-08	3.12E-08	3.04E-09	1.71E-09	4.75E-09	1.37E-09	7.06E-10	2.08E-09
1060	569762	4214779	1.94E-08	1.10E-08	3.03E-08	2.95E-09	1.67E-09	4.62E-09	1.33E-09	6.86E-10	2.02E-09
1061	569767.8	4214772	1.89E-08	1.07E-08	2.97E-08	2.89E-09	1.63E-09	4.52E-09	1.30E-09	6.71E-10	1.98E-09
1062	569732.6	4214982	4.85E-08	2.75E-08	7.60E-08	7.40E-09	4.18E-09	1.16E-08	3.34E-09	1.72E-09	5.06E-09
1063	569737.3	4214990	5.05E-08	2.86E-08	7.90E-08	7.70E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
1064	569742	4214999	5.28E-08	2.99E-08	8.27E-08	8.06E-09	4.55E-09	1.26E-08	3.64E-09	1.87E-09	5.51E-09
1065	569746.6	4215007	5.54E-08	3.14E-08	8.67E-08	8.45E-09	4.77E-09	1.32E-08	3.82E-09	1.96E-09	5.78E-09
1066	569751.3	4215016	5.82E-08	3.30E-08	9.12E-08	8.89E-09	5.02E-09	1.39E-08	4.01E-09	2.06E-09	6.08E-09
1067	569756	4215024	6.14E-08	3.48E-08	9.62E-08	9.38E-09	5.29E-09	1.47E-08	4.23E-09	2.18E-09	6.41E-09
1068	569760.7	4215033	6.49E-08	3.68E-08	1.02E-07	9.92E-09	5.60E-09	1.55E-08	4.47E-09	2.30E-09	6.78E-09
1069	569765.3	4215041	6.88E-08	3.90E-08	1.08E-07	1.05E-08	5.93E-09	1.64E-08	4.74E-09	2.44E-09	7.18E-09
1070	569770	4215050	7.30E-08	4.14E-08	1.14E-07	1.11E-08	6.29E-09	1.74E-08	5.03E-09	2.59E-09	7.62E-09
1071	569774.7	4215058	7.78E-08	4.41E-08	1.22E-07	1.19E-08	6.70E-09	1.86E-08	5.36E-09	2.76E-09	8.12E-09
1072	569779.4	4215067	8.29E-08	4.69E-08	1.30E-07	1.27E-08	7.14E-09	1.98E-08	5.71E-09	2.94E-09	8.65E-09
1073	569784	4215075	8.83E-08	5.00E-08	1.38E-07	1.35E-08	7.61E-09	2.11E-08	6.09E-09	3.13E-09	9.22E-09
1074	569788.7	4215084	9.43E-08	5.34E-08	1.48E-07	1.44E-08	8.12E-09	2.25E-08	6.50E-09	3.34E-09	9.84E-09
1075	569793.4	4215092	1.01E-07	5.70E-08	1.58E-07	1.54E-08	8.67E-09	2.40E-08	6.93E-09	3.57E-09	1.05E-08
1076	569835.5	4215169	2.14E-07	1.21E-07	3.35E-07	3.26E-08	1.84E-08	5.10E-08	1.47E-08	7.57E-09	2.23E-08
1077	569840.1	4215177	2.45E-07	1.39E-07	3.84E-07	3.74E-08	2.11E-08	5.85E-08	1.69E-08	8.69E-09	2.56E-08
1078	569844.8	4215186	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.57E-08	1.90E-08	9.76E-09	2.87E-08
1079	569849.5	4215194	2.97E-07	1.68E-07	4.65E-07	4.53E-08	2.56E-08	7.08E-08	2.04E-08	1.05E-08	3.10E-08
1080	569854.2	4215203	3.02E-07	1.71E-07	4.74E-07	4.62E-08	2.61E-08	7.22E-08	2.08E-08	1.07E-08	3.16E-08
1081	569722.8	4214977	4.77E-08	2.70E-08	7.47E-08	7.28E-09	4.11E-09	1.14E-08	3.29E-09	1.69E-09	4.98E-09
1082	569721.7	4214968	4.61E-08	2.61E-08	7.22E-08	7.04E-09	3.97E-09	1.10E-08	3.18E-09	1.64E-09	4.81E-09
1083	569720.5	4214958	4.48E-08	2.54E-08	7.02E-08	6.84E-09	3.86E-09	1.07E-08	3.09E-09	1.59E-09	4.68E-09
1084	569719.4	4214949	4.36E-08	2.47E-08	6.83E-08	6.66E-09	3.76E-09	1.04E-08	3.00E-09	1.55E-09	4.55E-09
1085	569718.3	4214940	4.25E-08	2.41E-08	6.66E-08	6.50E-09	3.67E-09	1.02E-08	2.93E-09	1.51E-09	4.44E-09
1086	569717.2	4214931	4.17E-08	2.36E-08	6.52E-08	6.36E-09	3.59E-09	9.95E-09	2.87E-09	1.48E-09	4.35E-09
1087	569716.1	4214921	4.05E-08	2.30E-08	6.35E-08	6.19E-09	3.49E-09	9.69E-09	2.79E-09	1.44E-09	4.23E-09
1088	569715	4214912	3.92E-08	2.22E-08	6.14E-08	5.99E-09	3.38E-09	9.37E-09	2.70E-09	1.39E-09	4.09E-09
1089	569711.7	4214884	3.40E-08	1.93E-08	5.33E-08	5.19E-09	2.93E-09	8.13E-09	2.34E-09	1.21E-09	3.55E-09
1090	569710.6	4214875	3.20E-08	1.81E-08	5.02E-08	4.89E-09	2.76E-09	7.65E-09	2.21E-09	1.14E-09	3.34E-09
1091	569709.5	4214865	3.02E-08	1.71E-08	4.74E-08	4.62E-09	2.61E-09	7.22E-09	2.08E-09	1.07E-09	3.16E-09
1092	569708.4	4214856	2.86E-08	1.62E-08	4.48E-08	4.36E-09	2.46E-09	6.83E-09	1.97E-09	1.01E-09	2.98E-09
1093	569707.3	4214847	2.71E-08	1.53E-08	4.24E-08	4.14E-09	2.33E-09	6.47E-09	1.87E-09	9.61E-10	2.83E-09
1094	569711.9	4214830	2.47E-08	1.40E-08	3.86E-08	3.77E-09	2.12E-09	5.89E-09	1.70E-09	8.75E-10	2.57E-09

1095	569717.6	4214822	2.36E-08	1.34E-08	3.70E-08	3.61E-09	2.04E-09	5.64E-09	1.63E-09	8.38E-10	2.47E-09
1096	569723.3	4214815	2.26E-08	1.28E-08	3.54E-08	3.45E-09	1.95E-09	5.40E-09	1.56E-09	8.02E-10	2.36E-09
1097	569729	4214807	2.17E-08	1.23E-08	3.40E-08	3.32E-09	1.87E-09	5.19E-09	1.50E-09	7.71E-10	2.27E-09
1098	569734.7	4214800	2.11E-08	1.20E-08	3.31E-08	3.23E-09	1.82E-09	5.05E-09	1.46E-09	7.50E-10	2.21E-09
1099	569740.4	4214793	2.06E-08	1.17E-08	3.22E-08	3.14E-09	1.77E-09	4.91E-09	1.42E-09	7.30E-10	2.15E-09
1100	569746.1	4214785	2.00E-08	1.13E-08	3.13E-08	3.05E-09	1.72E-09	4.77E-09	1.38E-09	7.09E-10	2.09E-09
1101	569751.8	4214778	1.94E-08	1.10E-08	3.03E-08	2.96E-09	1.67E-09	4.63E-09	1.33E-09	6.87E-10	2.02E-09
1102	569757.4	4214770	1.90E-08	1.08E-08	2.98E-08	2.90E-09	1.64E-09	4.54E-09	1.31E-09	6.74E-10	1.98E-09
1103	569763.1	4214763	1.87E-08	1.06E-08	2.93E-08	2.86E-09	1.61E-09	4.47E-09	1.29E-09	6.64E-10	1.96E-09
1104	569723.9	4214986	4.95E-08	2.80E-08	7.75E-08	7.55E-09	4.26E-09	1.18E-08	3.41E-09	1.75E-09	5.16E-09
1105	569728.5	4214995	5.16E-08	2.92E-08	8.08E-08	7.87E-09	4.44E-09	1.23E-08	3.55E-09	1.83E-09	5.38E-09
1106	569733.2	4215003	5.39E-08	3.05E-08	8.44E-08	8.22E-09	4.64E-09	1.29E-08	3.71E-09	1.91E-09	5.62E-09
1107	569737.9	4215012	5.64E-08	3.20E-08	8.84E-08	8.62E-09	4.86E-09	1.35E-08	3.89E-09	2.00E-09	5.89E-09
1108	569742.6	4215020	5.93E-08	3.36E-08	9.29E-08	9.06E-09	5.11E-09	1.42E-08	4.09E-09	2.10E-09	6.19E-09
1109	569747.2	4215029	6.24E-08	3.54E-08	9.78E-08	9.53E-09	5.38E-09	1.49E-08	4.30E-09	2.21E-09	6.52E-09
1110	569751.9	4215037	6.58E-08	3.73E-08	1.03E-07	1.00E-08	5.67E-09	1.57E-08	4.53E-09	2.33E-09	6.87E-09
1111	569756.6	4215046	6.95E-08	3.94E-08	1.09E-07	1.06E-08	5.99E-09	1.66E-08	4.79E-09	2.46E-09	7.25E-09
1112	569761.3	4215054	7.38E-08	4.18E-08	1.16E-07	1.13E-08	6.36E-09	1.76E-08	5.08E-09	2.62E-09	7.70E-09
1113	569765.9	4215063	7.84E-08	4.44E-08	1.23E-07	1.20E-08	6.75E-09	1.87E-08	5.40E-09	2.78E-09	8.18E-09
1114	569770.6	4215071	8.33E-08	4.72E-08	1.30E-07	1.27E-08	7.18E-09	1.99E-08	5.74E-09	2.95E-09	8.69E-09
1115	569775.3	4215080	8.85E-08	5.02E-08	1.39E-07	1.35E-08	7.63E-09	2.11E-08	6.10E-09	3.14E-09	9.24E-09
1116	569780	4215088	9.41E-08	5.33E-08	1.47E-07	1.44E-08	8.11E-09	2.25E-08	6.48E-09	3.34E-09	9.82E-09
1117	569784.6	4215097	9.99E-08	5.66E-08	1.57E-07	1.53E-08	8.61E-09	2.39E-08	6.89E-09	3.55E-09	1.04E-08
1118	569789.3	4215105	1.06E-07	6.02E-08	1.66E-07	1.62E-08	9.16E-09	2.54E-08	7.32E-09	3.77E-09	1.11E-08
1119	569826.7	4215173	2.08E-07	1.18E-07	3.25E-07	3.17E-08	1.79E-08	4.96E-08	1.43E-08	7.37E-09	2.17E-08
1120	569831.4	4215182	2.37E-07	1.34E-07	3.71E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
1121	569836.1	4215190	2.64E-07	1.50E-07	4.14E-07	4.03E-08	2.28E-08	6.31E-08	1.82E-08	9.37E-09	2.76E-08
1122	569840.7	4215199	2.81E-07	1.59E-07	4.41E-07	4.30E-08	2.42E-08	6.72E-08	1.94E-08	9.98E-09	2.94E-08
1123	569845.4	4215207	2.85E-07	1.61E-07	4.46E-07	4.35E-08	2.46E-08	6.81E-08	1.96E-08	1.01E-08	2.97E-08
1124	569714	4214982	4.86E-08	2.75E-08	7.61E-08	7.41E-09	4.18E-09	1.16E-08	3.35E-09	1.72E-09	5.07E-09
1125	569712.9	4214973	4.70E-08	2.66E-08	7.36E-08	7.18E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.91E-09
1126	569711.8	4214964	4.57E-08	2.59E-08	7.16E-08	6.98E-09	3.94E-09	1.09E-08	3.15E-09	1.62E-09	4.77E-09
1127	569710.7	4214954	4.46E-08	2.52E-08	6.98E-08	6.80E-09	3.84E-09	1.06E-08	3.07E-09	1.58E-09	4.65E-09
1128	569709.6	4214945	4.34E-08	2.46E-08	6.80E-08	6.63E-09	3.74E-09	1.04E-08	2.99E-09	1.54E-09	4.53E-09
1129	569708.6	4214936	4.24E-08	2.40E-08	6.64E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
1130	569707.5	4214927	4.15E-08	2.35E-08	6.50E-08	6.34E-09	3.58E-09	9.91E-09	2.86E-09	1.47E-09	4.33E-09
1131	569706.4	4214918	4.00E-08	2.27E-08	6.27E-08	6.11E-09	3.45E-09	9.55E-09	2.76E-09	1.42E-09	4.18E-09
1132	569705.3	4214908	3.85E-08	2.18E-08	6.03E-08	5.88E-09	3.32E-09	9.19E-09	2.65E-09	1.37E-09	4.02E-09
1133	569704.2	4214899	3.70E-08	2.10E-08	5.80E-08	5.65E-09	3.19E-09	8.84E-09	2.55E-09	1.31E-09	3.86E-09
1134	569703.1	4214890	3.51E-08	1.99E-08	5.50E-08	5.36E-09	3.02E-09	8.38E-09	2.42E-09	1.24E-09	3.66E-09
1135	569702	4214881	3.32E-08	1.88E-08	5.19E-08	5.06E-09	2.86E-09	7.92E-09	2.29E-09	1.18E-09	3.46E-09
1136	569700.9	4214872	3.14E-08	1.78E-08	4.92E-08	4.80E-09	2.71E-09	7.50E-09	2.16E-09	1.11E-09	3.28E-09
1137	569699.8	4214862	2.98E-08	1.69E-08	4.67E-08	4.55E-09	2.57E-09	7.12E-09	2.05E-09	1.06E-09	3.11E-09
1138	569698.7	4214853	2.83E-08	1.60E-08	4.43E-08	4.32E-09	2.44E-09	6.75E-09	1.95E-09	1.00E-09	2.95E-09
1139	569697.6	4214844	2.69E-08	1.52E-08	4.21E-08	4.10E-09	2.32E-09	6.42E-09	1.85E-09	9.53E-10	2.80E-09
1140	569702.2	4214827	2.47E-08	1.40E-08	3.86E-08	3.76E-09	2.12E-09	5.89E-09	1.70E-09	8.74E-10	2.57E-09
1141	569707.8	4214820	2.37E-08	1.34E-08	3.71E-08	3.61E-09	2.04E-09	5.65E-09	1.63E-09	8.39E-10	2.47E-09
1142	569713.4	4214813	2.27E-08	1.28E-08	3.55E-08	3.46E-09	1.95E-09	5.42E-09	1.56E-09	8.05E-10	2.37E-09
1143	569719.1	4214805	2.18E-08	1.23E-08	3.41E-08	3.32E-09	1.88E-09	5.20E-09	1.50E-09	7.72E-10	2.27E-09
1144	569730.3	4214790	2.07E-08	1.17E-08	3.24E-08	3.16E-09	1.78E-09	4.94E-09	1.43E-09	7.34E-10	2.16E-09
1145	569735.9	4214783	2.01E-08	1.14E-08	3.16E-08	3.08E-09	1.74E-09	4.81E-09	1.39E-09	7.15E-10	2.10E-09
1146	569741.6	4214776	1.96E-08	1.11E-08	3.07E-08	2.99E-09	1.69E-09	4.68E-09	1.35E-09	6.95E-10	2.04E-09
1147	569752.8	4214761	1.89E-08	1.07E-08	2.96E-08	2.89E-09	1.63E-09	4.52E-09	1.30E-09	6.71E-10	1.97E-09
1148	569715.1	4214991	5.05E-08	2.86E-08	7.90E-08	7.70E-09	4.35E-09	1.21E-08	3.48E-09	1.79E-09	5.27E-09
1149	569719.8	4215000	5.25E-08	2.98E-08	8.23E-08	8.02E-09	4.53E-09	1.26E-08	3.62E-09	1.86E-09	5.49E-09
1150	569724.4	4215008	5.49E-08	3.11E-08	8.60E-08	8.38E-09	4.73E-09	1.31E-08	3.78E-09	1.95E-09	5.73E-09
1151	569729.1	4215017	5.74E-08	3.25E-08	9.00E-08	8.77E-09	4.95E-09	1.37E-08	3.96E-09	2.04E-09	6.00E-09
1152	569733.8	4215025	6.03E-08	3.42E-08	9.45E-08	9.21E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.29E-09
1153	569738.5	4215034	6.34E-08	3.59E-08	9.93E-08	9.68E-09	5.46E-09	1.51E-08	4.37E-09	2.25E-09	6.62E-09
1154	569743.1	4215042	6.67E-08	3.78E-08	1.04E-07	1.02E-08	5.74E-09	1.59E-08	4.59E-09	2.36E-09	6.96E-09
1155	569747.8	4215051	7.03E-08	3.98E-08	1.10E-07	1.07E-08	6.06E-09	1.68E-08	4.84E-09	2.49E-09	7.34E-09

1156	569752.5	4215059	7.43E-08	4.21E-08	1.16E-07	1.13E-08	6.40E-09	1.78E-08	5.12E-09	2.64E-09	7.76E-09
1157	569757.2	4215068	7.87E-08	4.46E-08	1.23E-07	1.20E-08	6.78E-09	1.88E-08	5.43E-09	2.79E-09	8.22E-09
1158	569761.8	4215076	8.35E-08	4.73E-08	1.31E-07	1.27E-08	7.19E-09	1.99E-08	5.75E-09	2.96E-09	8.71E-09
1159	569766.5	4215085	8.85E-08	5.02E-08	1.39E-07	1.35E-08	7.63E-09	2.11E-08	6.10E-09	3.14E-09	9.24E-09
1160	569771.2	4215093	9.39E-08	5.32E-08	1.47E-07	1.43E-08	8.09E-09	2.24E-08	6.47E-09	3.33E-09	9.80E-09
1161	569775.9	4215102	9.94E-08	5.63E-08	1.56E-07	1.52E-08	8.57E-09	2.37E-08	6.85E-09	3.53E-09	1.04E-08
1162	569780.5	4215110	1.05E-07	5.96E-08	1.65E-07	1.61E-08	9.07E-09	2.51E-08	7.25E-09	3.73E-09	1.10E-08
1163	569817.9	4215178	2.01E-07	1.14E-07	3.15E-07	3.07E-08	1.73E-08	4.81E-08	1.39E-08	7.14E-09	2.10E-08
1164	569822.6	4215187	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.45E-08	1.57E-08	8.09E-09	2.38E-08
1165	569827.3	4215195	2.53E-07	1.43E-07	3.97E-07	3.87E-08	2.18E-08	6.05E-08	1.74E-08	8.98E-09	2.64E-08
1166	569832	4215204	2.62E-07	1.48E-07	4.10E-07	3.99E-08	2.25E-08	6.25E-08	1.80E-08	9.28E-09	2.73E-08
1167	569836.6	4215212	2.66E-07	1.51E-07	4.17E-07	4.06E-08	2.29E-08	6.35E-08	1.83E-08	9.43E-09	2.78E-08
1168	569705.3	4214987	4.94E-08	2.80E-08	7.74E-08	7.54E-09	4.26E-09	1.18E-08	3.40E-09	1.75E-09	5.16E-09
1169	569704.2	4214978	4.78E-08	2.71E-08	7.49E-08	7.31E-09	4.12E-09	1.14E-08	3.30E-09	1.70E-09	4.99E-09
1170	569703.1	4214969	4.65E-08	2.64E-08	7.29E-08	7.10E-09	4.01E-09	1.11E-08	3.21E-09	1.65E-09	4.86E-09
1171	569702	4214960	4.54E-08	2.57E-08	7.12E-08	6.94E-09	3.91E-09	1.09E-08	3.13E-09	1.61E-09	4.74E-09
1172	569700.9	4214951	4.43E-08	2.51E-08	6.94E-08	6.77E-09	3.82E-09	1.06E-08	3.05E-09	1.57E-09	4.63E-09
1173	569699.9	4214941	4.32E-08	2.45E-08	6.77E-08	6.60E-09	3.72E-09	1.03E-08	2.98E-09	1.53E-09	4.51E-09
1174	569698.8	4214932	4.22E-08	2.39E-08	6.61E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
1175	569697.7	4214923	4.10E-08	2.32E-08	6.43E-08	6.26E-09	3.54E-09	9.80E-09	2.83E-09	1.46E-09	4.28E-09
1176	569696.6	4214914	3.93E-08	2.23E-08	6.16E-08	6.00E-09	3.39E-09	9.39E-09	2.71E-09	1.39E-09	4.10E-09
1177	569695.5	4214905	3.76E-08	2.13E-08	5.89E-08	5.75E-09	3.24E-09	8.99E-09	2.59E-09	1.33E-09	3.93E-09
1178	569694.5	4214896	3.60E-08	2.04E-08	5.64E-08	5.49E-09	3.10E-09	8.59E-09	2.48E-09	1.28E-09	3.76E-09
1179	569693.4	4214887	3.41E-08	1.93E-08	5.35E-08	5.21E-09	2.94E-09	8.15E-09	2.35E-09	1.21E-09	3.56E-09
1180	569692.3	4214878	3.25E-08	1.84E-08	5.09E-08	4.96E-09	2.80E-09	7.76E-09	2.24E-09	1.15E-09	3.39E-09
1181	569691.2	4214868	3.09E-08	1.75E-08	4.85E-08	4.72E-09	2.67E-09	7.39E-09	2.13E-09	1.10E-09	3.23E-09
1182	569690.1	4214859	2.94E-08	1.67E-08	4.61E-08	4.50E-09	2.54E-09	7.03E-09	2.03E-09	1.04E-09	3.07E-09
1183	569689.1	4214850	2.81E-08	1.59E-08	4.40E-08	4.28E-09	2.42E-09	6.70E-09	1.93E-09	9.95E-10	2.93E-09
1184	569688	4214841	2.68E-08	1.52E-08	4.20E-08	4.09E-09	2.31E-09	6.40E-09	1.85E-09	9.50E-10	2.80E-09
1185	569692.5	4214825	2.47E-08	1.40E-08	3.87E-08	3.77E-09	2.13E-09	5.90E-09	1.70E-09	8.77E-10	2.58E-09
1186	569703.6	4214810	2.28E-08	1.29E-08	3.57E-08	3.48E-09	1.97E-09	5.45E-09	1.57E-09	8.09E-10	2.38E-09
1187	569714.7	4214796	2.15E-08	1.22E-08	3.37E-08	3.28E-09	1.85E-09	5.13E-09	1.48E-09	7.62E-10	2.24E-09
1188	569725.9	4214781	2.04E-08	1.15E-08	3.19E-08	3.11E-09	1.76E-09	4.87E-09	1.40E-09	7.23E-10	2.13E-09
1189	569731.5	4214774	1.99E-08	1.13E-08	3.12E-08	3.05E-09	1.72E-09	4.76E-09	1.37E-09	7.08E-10	2.08E-09
1190	569742.6	4214759	1.94E-08	1.10E-08	3.03E-08	2.96E-09	1.67E-09	4.63E-09	1.34E-09	6.87E-10	2.02E-09
1191	569706.3	4214996	5.13E-08	2.91E-08	8.04E-08	7.84E-09	4.42E-09	1.23E-08	3.54E-09	1.82E-09	5.36E-09
1192	569711	4215005	5.34E-08	3.03E-08	8.37E-08	8.16E-09	4.60E-09	1.28E-08	3.68E-09	1.89E-09	5.58E-09
1193	569715.7	4215013	5.57E-08	3.16E-08	8.73E-08	8.51E-09	4.80E-09	1.33E-08	3.84E-09	1.98E-09	5.82E-09
1194	569720.4	4215022	5.84E-08	3.31E-08	9.14E-08	8.91E-09	5.03E-09	1.39E-08	4.02E-09	2.07E-09	6.09E-09
1195	569725	4215030	6.12E-08	3.47E-08	9.58E-08	9.34E-09	5.27E-09	1.46E-08	4.22E-09	2.17E-09	6.39E-09
1196	569729.7	4215039	6.42E-08	3.64E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
1197	569734.4	4215047	6.74E-08	3.82E-08	1.06E-07	1.03E-08	5.81E-09	1.61E-08	4.64E-09	2.39E-09	7.03E-09
1198	569739.1	4215056	7.11E-08	4.03E-08	1.11E-07	1.09E-08	6.12E-09	1.70E-08	4.90E-09	2.52E-09	7.42E-09
1199	569743.7	4215064	7.50E-08	4.25E-08	1.17E-07	1.15E-08	6.46E-09	1.79E-08	5.17E-09	2.66E-09	7.83E-09
1200	569748.4	4215073	7.91E-08	4.48E-08	1.24E-07	1.21E-08	6.82E-09	1.89E-08	5.45E-09	2.81E-09	8.26E-09
1201	569753.1	4215081	8.35E-08	4.73E-08	1.31E-07	1.28E-08	7.20E-09	1.99E-08	5.76E-09	2.96E-09	8.72E-09
1202	569757.8	4215090	8.84E-08	5.01E-08	1.38E-07	1.35E-08	7.62E-09	2.11E-08	6.09E-09	3.13E-09	9.22E-09
1203	569762.4	4215098	9.35E-08	5.30E-08	1.46E-07	1.43E-08	8.06E-09	2.23E-08	6.44E-09	3.32E-09	9.76E-09
1204	569767.1	4215107	9.88E-08	5.60E-08	1.55E-07	1.51E-08	8.51E-09	2.36E-08	6.81E-09	3.50E-09	1.03E-08
1205	569771.8	4215115	1.04E-07	5.92E-08	1.64E-07	1.60E-08	9.00E-09	2.50E-08	7.20E-09	3.71E-09	1.09E-08
1206	569809.2	4215183	1.97E-07	1.11E-07	3.08E-07	3.00E-08	1.69E-08	4.70E-08	1.35E-08	6.97E-09	2.05E-08
1207	569813.8	4215192	2.19E-07	1.24E-07	3.43E-07	3.35E-08	1.89E-08	5.24E-08	1.51E-08	7.78E-09	2.29E-08
1208	569818.5	4215200	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
1209	569823.2	4215209	2.44E-07	1.38E-07	3.82E-07	3.72E-08	2.10E-08	5.82E-08	1.68E-08	8.65E-09	2.54E-08
1210	569827.9	4215217	2.49E-07	1.41E-07	3.90E-07	3.80E-08	2.14E-08	5.94E-08	1.71E-08	8.82E-09	2.60E-08
1211	569696.4	4214991	5.02E-08	2.84E-08	7.86E-08	7.66E-09	4.32E-09	1.20E-08	3.46E-09	1.78E-09	5.24E-09
1212	569695.3	4214982	4.85E-08	2.75E-08	7.59E-08	7.40E-09	4.18E-09	1.16E-08	3.34E-09	1.72E-09	5.06E-09
1213	569694.2	4214972	4.71E-08	2.67E-08	7.38E-08	7.20E-09	4.06E-09	1.13E-08	3.25E-09	1.67E-09	4.92E-09
1214	569693.1	4214963	4.60E-08	2.61E-08	7.21E-08	7.02E-09	3.96E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
1215	569691.9	4214953	4.49E-08	2.54E-08	7.04E-08	6.86E-09	3.87E-09	1.07E-08	3.10E-09	1.59E-09	4.69E-09
1216	569690.8	4214944	4.36E-08	2.47E-08	6.83E-08	6.66E-09	3.76E-09	1.04E-08	3.01E-09	1.55E-09	4.55E-09

1217	569689.7	4214934	4.24E-08	2.40E-08	6.64E-08	6.48E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.43E-09
1218	569688.5	4214925	4.11E-08	2.33E-08	6.44E-08	6.28E-09	3.54E-09	9.83E-09	2.83E-09	1.46E-09	4.29E-09
1219	569687.4	4214915	3.93E-08	2.22E-08	6.15E-08	5.99E-09	3.38E-09	9.38E-09	2.71E-09	1.39E-09	4.10E-09
1220	569686.3	4214906	3.75E-08	2.12E-08	5.88E-08	5.73E-09	3.23E-09	8.96E-09	2.58E-09	1.33E-09	3.91E-09
1221	569685.2	4214896	3.59E-08	2.03E-08	5.62E-08	5.48E-09	3.09E-09	8.57E-09	2.47E-09	1.27E-09	3.74E-09
1222	569684	4214887	3.41E-08	1.93E-08	5.34E-08	5.20E-09	2.94E-09	8.14E-09	2.35E-09	1.21E-09	3.56E-09
1223	569682.9	4214877	3.24E-08	1.84E-08	5.08E-08	4.95E-09	2.80E-09	7.75E-09	2.24E-09	1.15E-09	3.39E-09
1224	569681.8	4214868	3.09E-08	1.75E-08	4.85E-08	4.72E-09	2.67E-09	7.39E-09	2.13E-09	1.10E-09	3.23E-09
1225	569680.6	4214858	2.95E-08	1.67E-08	4.62E-08	4.50E-09	2.54E-09	7.04E-09	2.03E-09	1.05E-09	3.08E-09
1226	569679.5	4214848	2.81E-08	1.59E-08	4.41E-08	4.30E-09	2.42E-09	6.72E-09	1.94E-09	9.98E-10	2.94E-09
1227	569678.4	4214839	2.69E-08	1.52E-08	4.22E-08	4.11E-09	2.32E-09	6.43E-09	1.85E-09	9.55E-10	2.81E-09
1228	569683.1	4214822	2.49E-08	1.41E-08	3.90E-08	3.80E-09	2.15E-09	5.95E-09	1.72E-09	8.83E-10	2.60E-09
1229	569688.9	4214814	2.39E-08	1.35E-08	3.74E-08	3.64E-09	2.06E-09	5.70E-09	1.64E-09	8.46E-10	2.49E-09
1230	569694.7	4214807	2.28E-08	1.29E-08	3.58E-08	3.49E-09	1.97E-09	5.46E-09	1.57E-09	8.10E-10	2.38E-09
1231	569700.5	4214799	2.23E-08	1.26E-08	3.49E-08	3.40E-09	1.92E-09	5.33E-09	1.54E-09	7.91E-10	2.33E-09
1232	569706.4	4214791	2.18E-08	1.23E-08	3.41E-08	3.32E-09	1.87E-09	5.20E-09	1.50E-09	7.72E-10	2.27E-09
1233	569712.2	4214784	2.12E-08	1.20E-08	3.32E-08	3.24E-09	1.83E-09	5.06E-09	1.46E-09	7.52E-10	2.21E-09
1234	569718	4214776	2.06E-08	1.17E-08	3.23E-08	3.15E-09	1.78E-09	4.92E-09	1.42E-09	7.31E-10	2.15E-09
1235	569723.8	4214768	2.03E-08	1.15E-08	3.18E-08	3.10E-09	1.75E-09	4.85E-09	1.40E-09	7.20E-10	2.12E-09
1236	569697.6	4215001	5.22E-08	2.95E-08	8.17E-08	7.96E-09	4.49E-09	1.25E-08	3.59E-09	1.85E-09	5.44E-09
1237	569702.2	4215009	5.42E-08	3.07E-08	8.49E-08	8.28E-09	4.67E-09	1.29E-08	3.73E-09	1.92E-09	5.66E-09
1238	569706.9	4215018	5.65E-08	3.20E-08	8.86E-08	8.63E-09	4.87E-09	1.35E-08	3.90E-09	2.01E-09	5.90E-09
1239	569711.6	4215026	5.91E-08	3.35E-08	9.26E-08	9.03E-09	5.10E-09	1.41E-08	4.07E-09	2.10E-09	6.17E-09
1240	569716.3	4215035	6.19E-08	3.51E-08	9.70E-08	9.45E-09	5.33E-09	1.48E-08	4.27E-09	2.20E-09	6.46E-09
1241	569720.9	4215043	6.48E-08	3.67E-08	1.02E-07	9.90E-09	5.58E-09	1.55E-08	4.47E-09	2.30E-09	6.76E-09
1242	569725.6	4215052	6.81E-08	3.86E-08	1.07E-07	1.04E-08	5.87E-09	1.63E-08	4.69E-09	2.42E-09	7.11E-09
1243	569730.3	4215060	7.17E-08	4.06E-08	1.12E-07	1.09E-08	6.18E-09	1.71E-08	4.94E-09	2.54E-09	7.48E-09
1244	569735	4215069	7.55E-08	4.28E-08	1.18E-07	1.15E-08	6.50E-09	1.80E-08	5.20E-09	2.68E-09	7.88E-09
1245	569739.6	4215077	7.95E-08	4.50E-08	1.24E-07	1.21E-08	6.85E-09	1.90E-08	5.48E-09	2.82E-09	8.29E-09
1246	569744.3	4215086	8.38E-08	4.75E-08	1.31E-07	1.28E-08	7.22E-09	2.00E-08	5.78E-09	2.97E-09	8.75E-09
1247	569749	4215094	8.83E-08	5.00E-08	1.38E-07	1.35E-08	7.61E-09	2.11E-08	6.09E-09	3.13E-09	9.22E-09
1248	569753.7	4215103	9.30E-08	5.27E-08	1.46E-07	1.42E-08	8.01E-09	2.22E-08	6.41E-09	3.30E-09	9.70E-09
1249	569758.3	4215111	9.82E-08	5.56E-08	1.54E-07	1.50E-08	8.46E-09	2.35E-08	6.77E-09	3.48E-09	1.02E-08
1250	569763	4215120	1.04E-07	5.88E-08	1.63E-07	1.58E-08	8.94E-09	2.48E-08	7.15E-09	3.68E-09	1.08E-08
1251	569800.4	4215188	1.93E-07	1.09E-07	3.02E-07	2.94E-08	1.66E-08	4.60E-08	1.33E-08	6.83E-09	2.01E-08
1252	569805.1	4215196	2.13E-07	1.21E-07	3.34E-07	3.25E-08	1.84E-08	5.09E-08	1.47E-08	7.56E-09	2.22E-08
1253	569809.8	4215205	2.22E-07	1.26E-07	3.47E-07	3.38E-08	1.91E-08	5.29E-08	1.53E-08	7.86E-09	2.31E-08
1254	569814.4	4215213	2.29E-07	1.30E-07	3.59E-07	3.50E-08	1.97E-08	5.47E-08	1.58E-08	8.12E-09	2.39E-08
1255	569819.1	4215222	2.35E-07	1.33E-07	3.68E-07	3.58E-08	2.02E-08	5.61E-08	1.62E-08	8.33E-09	2.45E-08
1256	569687.7	4214996	5.10E-08	2.89E-08	7.99E-08	7.79E-09	4.40E-09	1.22E-08	3.52E-09	1.81E-09	5.33E-09
1257	569686.6	4214987	4.93E-08	2.79E-08	7.73E-08	7.53E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
1258	569685.5	4214977	4.79E-08	2.71E-08	7.50E-08	7.31E-09	4.13E-09	1.14E-08	3.30E-09	1.70E-09	5.00E-09
1259	569684.3	4214968	4.67E-08	2.64E-08	7.31E-08	7.12E-09	4.02E-09	1.11E-08	3.22E-09	1.65E-09	4.87E-09
1260	569683.2	4214959	4.56E-08	2.58E-08	7.14E-08	6.96E-09	3.93E-09	1.09E-08	3.14E-09	1.62E-09	4.76E-09
1261	569682.1	4214949	4.43E-08	2.51E-08	6.93E-08	6.76E-09	3.81E-09	1.06E-08	3.05E-09	1.57E-09	4.62E-09
1262	569681	4214940	4.29E-08	2.43E-08	6.72E-08	6.55E-09	3.70E-09	1.02E-08	2.96E-09	1.52E-09	4.48E-09
1263	569679.9	4214930	4.16E-08	2.36E-08	6.51E-08	6.35E-09	3.58E-09	9.93E-09	2.87E-09	1.47E-09	4.34E-09
1264	569678.8	4214921	4.00E-08	2.27E-08	6.27E-08	6.11E-09	3.45E-09	9.56E-09	2.76E-09	1.42E-09	4.18E-09
1265	569677.7	4214912	3.83E-08	2.17E-08	6.00E-08	5.85E-09	3.30E-09	9.15E-09	2.64E-09	1.36E-09	4.00E-09
1266	569676.5	4214902	3.67E-08	2.08E-08	5.75E-08	5.60E-09	3.16E-09	8.76E-09	2.53E-09	1.30E-09	3.83E-09
1267	569675.4	4214893	3.51E-08	1.99E-08	5.50E-08	5.36E-09	3.02E-09	8.38E-09	2.42E-09	1.25E-09	3.66E-09
1268	569674.3	4214883	3.35E-08	1.90E-08	5.25E-08	5.12E-09	2.89E-09	8.00E-09	2.31E-09	1.19E-09	3.50E-09
1269	569673.2	4214874	3.20E-08	1.81E-08	5.02E-08	4.89E-09	2.76E-09	7.65E-09	2.21E-09	1.14E-09	3.34E-09
1270	569672.1	4214864	3.06E-08	1.74E-08	4.80E-08	4.68E-09	2.64E-09	7.32E-09	2.11E-09	1.09E-09	3.20E-09
1271	569671	4214855	2.93E-08	1.66E-08	4.60E-08	4.48E-09	2.53E-09	7.01E-09	2.02E-09	1.04E-09	3.06E-09
1272	569669.8	4214846	2.81E-08	1.59E-08	4.41E-08	4.30E-09	2.43E-09	6.72E-09	1.94E-09	9.98E-10	2.94E-09
1273	569668.7	4214836	2.70E-08	1.53E-08	4.24E-08	4.13E-09	2.33E-09	6.46E-09	1.86E-09	9.59E-10	2.82E-09
1274	569673.4	4214819	2.52E-08	1.43E-08	3.95E-08	3.85E-09	2.17E-09	6.02E-09	1.74E-09	8.94E-10	2.63E-09
1275	569679.1	4214812	2.42E-08	1.37E-08	3.79E-08	3.69E-09	2.08E-09	5.78E-09	1.67E-09	8.58E-10	2.52E-09
1276	569684.9	4214804	2.33E-08	1.32E-08	3.65E-08	3.56E-09	2.01E-09	5.56E-09	1.61E-09	8.26E-10	2.43E-09
1277	569690.6	4214797	2.28E-08	1.29E-08	3.57E-08	3.48E-09	1.96E-09	5.44E-09	1.57E-09	8.08E-10	2.38E-09

1278	569696.4	4214789	2.23E-08	1.26E-08	3.49E-08	3.40E-09	1.92E-09	5.32E-09	1.54E-09	7.90E-10	2.33E-09
1279	569688.8	4215006	5.29E-08	3.00E-08	8.28E-08	8.07E-09	4.56E-09	1.26E-08	3.64E-09	1.88E-09	5.52E-09
1280	569693.5	4215014	5.49E-08	3.11E-08	8.60E-08	8.38E-09	4.73E-09	1.31E-08	3.78E-09	1.95E-09	5.73E-09
1281	569698.2	4215023	5.73E-08	3.24E-08	8.97E-08	8.74E-09	4.93E-09	1.37E-08	3.95E-09	2.03E-09	5.98E-09
1282	569702.8	4215031	5.98E-08	3.39E-08	9.37E-08	9.13E-09	5.15E-09	1.43E-08	4.12E-09	2.12E-09	6.24E-09
1283	569707.5	4215040	6.25E-08	3.54E-08	9.79E-08	9.54E-09	5.38E-09	1.49E-08	4.31E-09	2.22E-09	6.52E-09
1284	569712.2	4215048	6.54E-08	3.70E-08	1.02E-07	9.99E-09	5.63E-09	1.56E-08	4.51E-09	2.32E-09	6.83E-09
1285	569716.9	4215057	6.87E-08	3.89E-08	1.08E-07	1.05E-08	5.92E-09	1.64E-08	4.73E-09	2.44E-09	7.17E-09
1286	569721.5	4215065	7.22E-08	4.09E-08	1.13E-07	1.10E-08	6.22E-09	1.72E-08	4.97E-09	2.56E-09	7.53E-09
1287	569726.2	4215074	7.58E-08	4.29E-08	1.19E-07	1.16E-08	6.53E-09	1.81E-08	5.22E-09	2.69E-09	7.91E-09
1288	569730.9	4215082	7.98E-08	4.52E-08	1.25E-07	1.22E-08	6.88E-09	1.91E-08	5.50E-09	2.83E-09	8.33E-09
1289	569735.6	4215091	8.40E-08	4.76E-08	1.32E-07	1.28E-08	7.24E-09	2.01E-08	5.79E-09	2.98E-09	8.77E-09
1290	569740.2	4215099	8.84E-08	5.01E-08	1.39E-07	1.35E-08	7.62E-09	2.11E-08	6.09E-09	3.14E-09	9.23E-09
1291	569744.9	4215108	9.30E-08	5.27E-08	1.46E-07	1.42E-08	8.02E-09	2.22E-08	6.41E-09	3.30E-09	9.71E-09
1292	569749.6	4215116	9.79E-08	5.55E-08	1.53E-07	1.50E-08	8.44E-09	2.34E-08	6.75E-09	3.47E-09	1.02E-08
1293	569754.3	4215125	1.03E-07	5.84E-08	1.61E-07	1.57E-08	8.88E-09	2.46E-08	7.10E-09	3.66E-09	1.08E-08
1294	569787	4215184	1.69E-07	9.60E-08	2.65E-07	2.59E-08	1.46E-08	4.05E-08	1.17E-08	6.01E-09	1.77E-08
1295	569791.6	4215193	1.88E-07	1.07E-07	2.95E-07	2.87E-08	1.62E-08	4.49E-08	1.30E-08	6.67E-09	1.96E-08
1296	569796.3	4215201	2.01E-07	1.14E-07	3.15E-07	3.07E-08	1.73E-08	4.81E-08	1.39E-08	7.14E-09	2.10E-08
1297	569801	4215210	2.10E-07	1.19E-07	3.29E-07	3.20E-08	1.81E-08	5.01E-08	1.45E-08	7.44E-09	2.19E-08
1298	569805.7	4215218	2.17E-07	1.23E-07	3.40E-07	3.32E-08	1.87E-08	5.19E-08	1.50E-08	7.70E-09	2.27E-08
1299	569810.3	4215227	2.23E-07	1.26E-07	3.49E-07	3.40E-08	1.92E-08	5.32E-08	1.53E-08	7.90E-09	2.32E-08
1300	569678.9	4215001	5.18E-08	2.93E-08	8.11E-08	7.90E-09	4.46E-09	1.24E-08	3.57E-09	1.84E-09	5.40E-09
1301	569677.8	4214992	5.02E-08	2.84E-08	7.86E-08	7.66E-09	4.32E-09	1.20E-08	3.46E-09	1.78E-09	5.24E-09
1302	569676.7	4214983	4.88E-08	2.76E-08	7.64E-08	7.45E-09	4.20E-09	1.16E-08	3.36E-09	1.73E-09	5.09E-09
1303	569675.6	4214973	4.74E-08	2.69E-08	7.43E-08	7.24E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.95E-09
1304	569674.5	4214964	4.62E-08	2.62E-08	7.24E-08	7.06E-09	3.98E-09	1.10E-08	3.19E-09	1.64E-09	4.83E-09
1305	569673.4	4214955	4.51E-08	2.55E-08	7.06E-08	6.88E-09	3.88E-09	1.08E-08	3.10E-09	1.60E-09	4.70E-09
1306	569672.3	4214945	4.35E-08	2.47E-08	6.82E-08	6.65E-09	3.75E-09	1.04E-08	3.00E-09	1.54E-09	4.54E-09
1307	569671.2	4214936	4.21E-08	2.38E-08	6.59E-08	6.42E-09	3.62E-09	1.00E-08	2.90E-09	1.49E-09	4.39E-09
1308	569670.1	4214927	4.06E-08	2.30E-08	6.37E-08	6.21E-09	3.50E-09	9.71E-09	2.80E-09	1.44E-09	4.24E-09
1309	569669	4214917	3.90E-08	2.21E-08	6.11E-08	5.95E-09	3.36E-09	9.31E-09	2.69E-09	1.38E-09	4.07E-09
1310	569667.9	4214908	3.74E-08	2.12E-08	5.86E-08	5.71E-09	3.22E-09	8.94E-09	2.58E-09	1.33E-09	3.91E-09
1311	569666.8	4214899	3.59E-08	2.04E-08	5.63E-08	5.49E-09	3.10E-09	8.59E-09	2.48E-09	1.27E-09	3.75E-09
1312	569665.7	4214889	3.44E-08	1.95E-08	5.40E-08	5.26E-09	2.97E-09	8.23E-09	2.37E-09	1.22E-09	3.60E-09
1313	569664.6	4214880	3.30E-08	1.87E-08	5.17E-08	5.04E-09	2.84E-09	7.89E-09	2.27E-09	1.17E-09	3.45E-09
1314	569663.5	4214871	3.17E-08	1.79E-08	4.96E-08	4.84E-09	2.73E-09	7.57E-09	2.18E-09	1.12E-09	3.31E-09
1315	569662.4	4214861	3.04E-08	1.72E-08	4.77E-08	4.65E-09	2.62E-09	7.27E-09	2.10E-09	1.08E-09	3.18E-09
1316	569661.3	4214852	2.93E-08	1.66E-08	4.59E-08	4.47E-09	2.52E-09	7.00E-09	2.02E-09	1.04E-09	3.06E-09
1317	569660.2	4214843	2.82E-08	1.60E-08	4.42E-08	4.31E-09	2.43E-09	6.74E-09	1.95E-09	1.00E-09	2.95E-09
1318	569659.1	4214833	2.73E-08	1.55E-08	4.28E-08	4.17E-09	2.35E-09	6.52E-09	1.88E-09	9.68E-10	2.85E-09
1319	569680	4215011	5.35E-08	3.03E-08	8.38E-08	8.17E-09	4.61E-09	1.28E-08	3.69E-09	1.90E-09	5.58E-09
1320	569684.7	4215019	5.55E-08	3.15E-08	8.70E-08	8.48E-09	4.79E-09	1.33E-08	3.83E-09	1.97E-09	5.80E-09
1321	569689.4	4215028	5.79E-08	3.28E-08	9.07E-08	8.84E-09	4.99E-09	1.38E-08	3.99E-09	2.05E-09	6.04E-09
1322	569694.1	4215036	6.04E-08	3.42E-08	9.46E-08	9.22E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.30E-09
1323	569698.7	4215045	6.30E-08	3.57E-08	9.86E-08	9.61E-09	5.42E-09	1.50E-08	4.34E-09	2.23E-09	6.57E-09
1324	569703.4	4215053	6.60E-08	3.74E-08	1.03E-07	1.01E-08	5.68E-09	1.58E-08	4.55E-09	2.34E-09	6.88E-09
1325	569708.1	4215062	6.92E-08	3.92E-08	1.08E-07	1.06E-08	5.96E-09	1.65E-08	4.77E-09	2.45E-09	7.22E-09
1326	569712.8	4215070	7.26E-08	4.11E-08	1.14E-07	1.11E-08	6.25E-09	1.73E-08	5.00E-09	2.57E-09	7.57E-09
1327	569717.4	4215079	7.61E-08	4.31E-08	1.19E-07	1.16E-08	6.56E-09	1.82E-08	5.25E-09	2.70E-09	7.95E-09
1328	569722.1	4215087	8.01E-08	4.54E-08	1.25E-07	1.22E-08	6.90E-09	1.91E-08	5.52E-09	2.84E-09	8.36E-09
1329	569726.8	4215096	8.42E-08	4.77E-08	1.32E-07	1.29E-08	7.26E-09	2.01E-08	5.80E-09	2.99E-09	8.79E-09
1330	569731.5	4215104	8.86E-08	5.02E-08	1.39E-07	1.35E-08	7.63E-09	2.12E-08	6.10E-09	3.14E-09	9.25E-09
1331	569736.1	4215113	9.33E-08	5.29E-08	1.46E-07	1.42E-08	8.04E-09	2.23E-08	6.43E-09	3.31E-09	9.74E-09
1332	569740.8	4215121	9.84E-08	5.57E-08	1.54E-07	1.50E-08	8.48E-09	2.35E-08	6.78E-09	3.49E-09	1.03E-08
1333	569773.5	4215181	1.56E-07	8.84E-08	2.44E-07	2.38E-08	1.34E-08	3.73E-08	1.07E-08	5.53E-09	1.63E-08
1334	569778.2	4215189	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
1335	569782.9	4215198	1.82E-07	1.03E-07	2.86E-07	2.79E-08	1.57E-08	4.36E-08	1.26E-08	6.47E-09	1.90E-08
1336	569787.6	4215206	1.91E-07	1.08E-07	3.00E-07	2.92E-08	1.65E-08	4.57E-08	1.32E-08	6.78E-09	2.00E-08
1337	569792.2	4215215	2.00E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.77E-08	1.38E-08	7.08E-09	2.08E-08
1338	569796.9	4215223	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.95E-08	1.43E-08	7.34E-09	2.16E-08

1339	569801.6	4215232	2.05E-07	1.16E-07	3.22E-07	3.14E-08	1.77E-08	4.91E-08	1.42E-08	7.29E-09	2.14E-08
1340	569670.2	4215006	5.24E-08	2.97E-08	8.20E-08	8.00E-09	4.51E-09	1.25E-08	3.61E-09	1.86E-09	5.47E-09
1341	569669.1	4214997	5.09E-08	2.88E-08	7.97E-08	7.77E-09	4.39E-09	1.22E-08	3.51E-09	1.81E-09	5.31E-09
1342	569668	4214988	4.96E-08	2.81E-08	7.77E-08	7.58E-09	4.28E-09	1.19E-08	3.42E-09	1.76E-09	5.18E-09
1343	569666.9	4214978	4.83E-08	2.74E-08	7.56E-08	7.37E-09	4.16E-09	1.15E-08	3.33E-09	1.71E-09	5.04E-09
1344	569665.8	4214969	4.70E-08	2.66E-08	7.36E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
1345	569664.7	4214960	4.58E-08	2.59E-08	7.17E-08	6.99E-09	3.94E-09	1.09E-08	3.15E-09	1.62E-09	4.78E-09
1346	569663.6	4214951	4.43E-08	2.51E-08	6.94E-08	6.77E-09	3.82E-09	1.06E-08	3.05E-09	1.57E-09	4.63E-09
1347	569662.5	4214941	4.27E-08	2.42E-08	6.68E-08	6.52E-09	3.68E-09	1.02E-08	2.94E-09	1.51E-09	4.45E-09
1348	569661.4	4214932	4.11E-08	2.33E-08	6.44E-08	6.28E-09	3.54E-09	9.82E-09	2.83E-09	1.46E-09	4.29E-09
1349	569660.4	4214923	3.96E-08	2.24E-08	6.20E-08	6.05E-09	3.41E-09	9.46E-09	2.73E-09	1.40E-09	4.13E-09
1350	569659.3	4214914	3.81E-08	2.16E-08	5.96E-08	5.81E-09	3.28E-09	9.09E-09	2.62E-09	1.35E-09	3.97E-09
1351	569658.2	4214905	3.66E-08	2.08E-08	5.74E-08	5.59E-09	3.16E-09	8.75E-09	2.52E-09	1.30E-09	3.82E-09
1352	569657.1	4214895	3.53E-08	2.00E-08	5.52E-08	5.38E-09	3.04E-09	8.42E-09	2.43E-09	1.25E-09	3.68E-09
1353	569656	4214886	3.39E-08	1.92E-08	5.31E-08	5.17E-09	2.92E-09	8.09E-09	2.33E-09	1.20E-09	3.54E-09
1354	569654.9	4214877	3.26E-08	1.85E-08	5.11E-08	4.98E-09	2.81E-09	7.79E-09	2.25E-09	1.16E-09	3.40E-09
1355	569653.8	4214868	3.14E-08	1.78E-08	4.92E-08	4.79E-09	2.71E-09	7.50E-09	2.16E-09	1.11E-09	3.28E-09
1356	569652.7	4214858	3.03E-08	1.72E-08	4.75E-08	4.63E-09	2.61E-09	7.24E-09	2.09E-09	1.08E-09	3.16E-09
1357	569651.6	4214849	2.93E-08	1.66E-08	4.59E-08	4.48E-09	2.53E-09	7.00E-09	2.02E-09	1.04E-09	3.06E-09
1358	569650.5	4214840	2.84E-08	1.61E-08	4.45E-08	4.34E-09	2.45E-09	6.78E-09	1.96E-09	1.01E-09	2.96E-09
1359	569671.3	4215015	5.40E-08	3.06E-08	8.46E-08	8.25E-09	4.65E-09	1.29E-08	3.72E-09	1.92E-09	5.64E-09
1360	569676	4215024	5.61E-08	3.18E-08	8.79E-08	8.57E-09	4.84E-09	1.34E-08	3.87E-09	1.99E-09	5.86E-09
1361	569680.6	4215032	5.84E-08	3.31E-08	9.15E-08	8.92E-09	5.03E-09	1.40E-08	4.03E-09	2.07E-09	6.10E-09
1362	569685.3	4215041	6.08E-08	3.44E-08	9.52E-08	9.28E-09	5.24E-09	1.45E-08	4.19E-09	2.16E-09	6.35E-09
1363	569690	4215049	6.34E-08	3.59E-08	9.94E-08	9.69E-09	5.47E-09	1.52E-08	4.37E-09	2.25E-09	6.62E-09
1364	569694.7	4215058	6.65E-08	3.77E-08	1.04E-07	1.01E-08	5.73E-09	1.59E-08	4.58E-09	2.36E-09	6.94E-09
1365	569699.3	4215066	6.96E-08	3.94E-08	1.09E-07	1.06E-08	6.00E-09	1.66E-08	4.80E-09	2.47E-09	7.27E-09
1366	569704	4215075	7.29E-08	4.13E-08	1.14E-07	1.11E-08	6.28E-09	1.74E-08	5.02E-09	2.58E-09	7.60E-09
1367	569708.7	4215083	7.65E-08	4.33E-08	1.20E-07	1.17E-08	6.59E-09	1.83E-08	5.27E-09	2.71E-09	7.99E-09
1368	569713.4	4215092	8.04E-08	4.55E-08	1.26E-07	1.23E-08	6.93E-09	1.92E-08	5.54E-09	2.85E-09	8.39E-09
1369	569718	4215100	8.45E-08	4.79E-08	1.32E-07	1.29E-08	7.28E-09	2.02E-08	5.82E-09	3.00E-09	8.82E-09
1370	569722.7	4215109	8.89E-08	5.04E-08	1.39E-07	1.36E-08	7.66E-09	2.12E-08	6.13E-09	3.15E-09	9.28E-09
1371	569727.4	4215117	9.40E-08	5.32E-08	1.47E-07	1.43E-08	8.10E-09	2.24E-08	6.47E-09	3.33E-09	9.81E-09
1372	569764.8	4215185	1.58E-07	8.93E-08	2.47E-07	2.41E-08	1.36E-08	3.76E-08	1.09E-08	5.59E-09	1.64E-08
1373	569769.4	4215194	1.70E-07	9.66E-08	2.67E-07	2.60E-08	1.47E-08	4.07E-08	1.17E-08	6.05E-09	1.78E-08
1374	569774.1	4215202	1.78E-07	1.01E-07	2.78E-07	2.71E-08	1.53E-08	4.25E-08	1.22E-08	6.30E-09	1.86E-08
1375	569778.8	4215211	1.84E-07	1.04E-07	2.88E-07	2.81E-08	1.58E-08	4.39E-08	1.27E-08	6.52E-09	1.92E-08
1376	569783.5	4215219	1.91E-07	1.08E-07	2.99E-07	2.92E-08	1.65E-08	4.56E-08	1.32E-08	6.78E-09	1.99E-08
1377	569788.1	4215228	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.67E-08	1.35E-08	6.94E-09	2.04E-08
1378	569792.8	4215236	1.89E-07	1.07E-07	2.96E-07	2.88E-08	1.63E-08	4.51E-08	1.30E-08	6.70E-09	1.97E-08
1379	569661.4	4215011	5.27E-08	2.99E-08	8.26E-08	8.05E-09	4.54E-09	1.26E-08	3.63E-09	1.87E-09	5.50E-09
1380	569660.2	4215001	5.13E-08	2.90E-08	8.03E-08	7.83E-09	4.42E-09	1.22E-08	3.53E-09	1.82E-09	5.35E-09
1381	569659.1	4214991	5.00E-08	2.83E-08	7.83E-08	7.63E-09	4.31E-09	1.19E-08	3.44E-09	1.77E-09	5.22E-09
1382	569658	4214982	4.86E-08	2.75E-08	7.61E-08	7.42E-09	4.19E-09	1.16E-08	3.35E-09	1.72E-09	5.07E-09
1383	569656.8	4214972	4.71E-08	2.67E-08	7.37E-08	7.19E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.91E-09
1384	569655.7	4214963	4.56E-08	2.58E-08	7.14E-08	6.96E-09	3.93E-09	1.09E-08	3.14E-09	1.62E-09	4.76E-09
1385	569654.6	4214953	4.41E-08	2.50E-08	6.90E-08	6.73E-09	3.80E-09	1.05E-08	3.04E-09	1.56E-09	4.60E-09
1386	569653.4	4214943	4.24E-08	2.40E-08	6.65E-08	6.48E-09	3.66E-09	1.01E-08	2.92E-09	1.50E-09	4.43E-09
1387	569652.3	4214934	4.09E-08	2.32E-08	6.40E-08	6.24E-09	3.52E-09	9.77E-09	2.82E-09	1.45E-09	4.27E-09
1388	569651.2	4214924	3.94E-08	2.23E-08	6.17E-08	6.02E-09	3.40E-09	9.41E-09	2.72E-09	1.40E-09	4.11E-09
1389	569650	4214915	3.79E-08	2.15E-08	5.94E-08	5.79E-09	3.26E-09	9.05E-09	2.61E-09	1.34E-09	3.95E-09
1390	569648.9	4214905	3.65E-08	2.07E-08	5.71E-08	5.57E-09	3.14E-09	8.71E-09	2.51E-09	1.29E-09	3.81E-09
1391	569647.8	4214896	3.51E-08	1.99E-08	5.50E-08	5.36E-09	3.03E-09	8.39E-09	2.42E-09	1.25E-09	3.67E-09
1392	569646.6	4214886	3.38E-08	1.92E-08	5.30E-08	5.16E-09	2.91E-09	8.07E-09	2.33E-09	1.20E-09	3.53E-09
1393	569645.5	4214876	3.26E-08	1.85E-08	5.10E-08	4.97E-09	2.81E-09	7.78E-09	2.24E-09	1.16E-09	3.40E-09
1394	569644.4	4214867	3.14E-08	1.78E-08	4.92E-08	4.80E-09	2.71E-09	7.51E-09	2.17E-09	1.11E-09	3.28E-09
1395	569643.2	4214857	3.05E-08	1.73E-08	4.77E-08	4.65E-09	2.62E-09	7.27E-09	2.10E-09	1.08E-09	3.18E-09
1396	569662.5	4215020	5.45E-08	3.09E-08	8.55E-08	8.33E-09	4.70E-09	1.30E-08	3.76E-09	1.93E-09	5.69E-09
1397	569667.2	4215029	5.66E-08	3.21E-08	8.87E-08	8.65E-09	4.88E-09	1.35E-08	3.90E-09	2.01E-09	5.91E-09
1398	569671.9	4215037	5.88E-08	3.33E-08	9.22E-08	8.98E-09	5.07E-09	1.41E-08	4.05E-09	2.09E-09	6.14E-09
1399	569676.5	4215046	6.11E-08	3.46E-08	9.58E-08	9.34E-09	5.27E-09	1.46E-08	4.21E-09	2.17E-09	6.38E-09

1400	569681.2	4215054	6.39E-08	3.62E-08	1.00E-07	9.75E-09	5.50E-09	1.53E-08	4.40E-09	2.27E-09	6.67E-09
1401	569685.9	4215063	6.68E-08	3.78E-08	1.05E-07	1.02E-08	5.76E-09	1.60E-08	4.60E-09	2.37E-09	6.97E-09
1402	569690.6	4215071	6.99E-08	3.96E-08	1.09E-07	1.07E-08	6.02E-09	1.67E-08	4.81E-09	2.48E-09	7.29E-09
1403	569695.2	4215080	7.32E-08	4.15E-08	1.15E-07	1.12E-08	6.31E-09	1.75E-08	5.04E-09	2.60E-09	7.64E-09
1404	569699.9	4215088	7.69E-08	4.35E-08	1.20E-07	1.17E-08	6.62E-09	1.84E-08	5.30E-09	2.73E-09	8.02E-09
1405	569704.6	4215097	8.07E-08	4.57E-08	1.26E-07	1.23E-08	6.96E-09	1.93E-08	5.56E-09	2.86E-09	8.43E-09
1406	569709.3	4215105	8.48E-08	4.80E-08	1.33E-07	1.30E-08	7.31E-09	2.03E-08	5.84E-09	3.01E-09	8.85E-09
1407	569713.9	4215114	8.93E-08	5.06E-08	1.40E-07	1.36E-08	7.70E-09	2.13E-08	6.16E-09	3.17E-09	9.32E-09
1408	569718.6	4215122	9.46E-08	5.36E-08	1.48E-07	1.44E-08	8.15E-09	2.26E-08	6.52E-09	3.36E-09	9.88E-09
1409	569751.3	4215182	1.48E-07	8.36E-08	2.31E-07	2.25E-08	1.27E-08	3.52E-08	1.02E-08	5.23E-09	1.54E-08
1410	569756	4215190	1.59E-07	8.98E-08	2.48E-07	2.42E-08	1.37E-08	3.79E-08	1.09E-08	5.62E-09	1.65E-08
1411	569760.7	4215199	1.68E-07	9.52E-08	2.63E-07	2.57E-08	1.45E-08	4.01E-08	1.16E-08	5.96E-09	1.75E-08
1412	569765.4	4215207	1.72E-07	9.74E-08	2.69E-07	2.63E-08	1.48E-08	4.11E-08	1.18E-08	6.10E-09	1.79E-08
1413	569770	4215216	1.77E-07	1.00E-07	2.77E-07	2.70E-08	1.52E-08	4.22E-08	1.22E-08	6.27E-09	1.85E-08
1414	569774.7	4215224	1.83E-07	1.04E-07	2.86E-07	2.79E-08	1.58E-08	4.37E-08	1.26E-08	6.49E-09	1.91E-08
1415	569779.4	4215233	1.80E-07	1.02E-07	2.82E-07	2.75E-08	1.55E-08	4.30E-08	1.24E-08	6.38E-09	1.88E-08
1416	569784.1	4215241	1.73E-07	9.78E-08	2.71E-07	2.64E-08	1.49E-08	4.13E-08	1.19E-08	6.13E-09	1.80E-08
1417	569652.6	4215015	5.31E-08	3.01E-08	8.32E-08	8.11E-09	4.58E-09	1.27E-08	3.66E-09	1.88E-09	5.54E-09
1418	569651.5	4215006	5.16E-08	2.92E-08	8.08E-08	7.88E-09	4.45E-09	1.23E-08	3.56E-09	1.83E-09	5.39E-09
1419	569650.4	4214997	5.03E-08	2.85E-08	7.87E-08	7.67E-09	4.33E-09	1.20E-08	3.46E-09	1.78E-09	5.25E-09
1420	569649.3	4214987	4.90E-08	2.78E-08	7.68E-08	7.49E-09	4.22E-09	1.17E-08	3.38E-09	1.74E-09	5.12E-09
1421	569648.1	4214978	4.74E-08	2.69E-08	7.43E-08	7.24E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.95E-09
1422	569647	4214968	4.58E-08	2.60E-08	7.18E-08	7.00E-09	3.95E-09	1.10E-08	3.16E-09	1.63E-09	4.79E-09
1423	569645.9	4214959	4.43E-08	2.51E-08	6.94E-08	6.76E-09	3.82E-09	1.06E-08	3.05E-09	1.57E-09	4.62E-09
1424	569644.8	4214949	4.27E-08	2.42E-08	6.69E-08	6.53E-09	3.68E-09	1.02E-08	2.95E-09	1.52E-09	4.46E-09
1425	569643.6	4214940	4.12E-08	2.34E-08	6.46E-08	6.30E-09	3.55E-09	9.85E-09	2.84E-09	1.46E-09	4.30E-09
1426	569642.5	4214930	3.98E-08	2.26E-08	6.24E-08	6.08E-09	3.43E-09	9.52E-09	2.75E-09	1.41E-09	4.16E-09
1427	569641.4	4214921	3.84E-08	2.18E-08	6.02E-08	5.87E-09	3.31E-09	9.18E-09	2.65E-09	1.36E-09	4.01E-09
1428	569640.3	4214911	3.70E-08	2.10E-08	5.80E-08	5.66E-09	3.19E-09	8.85E-09	2.55E-09	1.31E-09	3.87E-09
1429	569639.1	4214902	3.57E-08	2.02E-08	5.60E-08	5.46E-09	3.08E-09	8.54E-09	2.46E-09	1.27E-09	3.73E-09
1430	569638	4214892	3.45E-08	1.95E-08	5.40E-08	5.27E-09	2.97E-09	8.24E-09	2.38E-09	1.22E-09	3.60E-09
1431	569636.9	4214883	3.33E-08	1.89E-08	5.22E-08	5.09E-09	2.87E-09	7.96E-09	2.30E-09	1.18E-09	3.48E-09
1432	569635.8	4214873	3.23E-08	1.83E-08	5.05E-08	4.93E-09	2.78E-09	7.70E-09	2.22E-09	1.14E-09	3.37E-09
1433	569634.7	4214864	3.13E-08	1.77E-08	4.90E-08	4.78E-09	2.70E-09	7.47E-09	2.16E-09	1.11E-09	3.27E-09
1434	569653.8	4215025	5.50E-08	3.12E-08	8.62E-08	8.40E-09	4.74E-09	1.31E-08	3.79E-09	1.95E-09	5.74E-09
1435	569658.4	4215033	5.70E-08	3.23E-08	8.93E-08	8.71E-09	4.91E-09	1.36E-08	3.93E-09	2.02E-09	5.95E-09
1436	569663.1	4215042	5.92E-08	3.35E-08	9.27E-08	9.03E-09	5.10E-09	1.41E-08	4.08E-09	2.10E-09	6.18E-09
1437	569667.8	4215050	6.16E-08	3.49E-08	9.64E-08	9.40E-09	5.30E-09	1.47E-08	4.24E-09	2.18E-09	6.42E-09
1438	569672.5	4215059	6.42E-08	3.64E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
1439	569677.1	4215067	6.70E-08	3.79E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.62E-09	2.38E-09	6.99E-09
1440	569681.8	4215076	6.99E-08	3.96E-08	1.09E-07	1.07E-08	6.02E-09	1.67E-08	4.82E-09	2.48E-09	7.30E-09
1441	569686.5	4215084	7.34E-08	4.16E-08	1.15E-07	1.12E-08	6.32E-09	1.75E-08	5.06E-09	2.60E-09	7.66E-09
1442	569691.2	4215093	7.72E-08	4.37E-08	1.21E-07	1.18E-08	6.65E-09	1.84E-08	5.32E-09	2.74E-09	8.05E-09
1443	569695.8	4215101	8.11E-08	4.60E-08	1.27E-07	1.24E-08	6.99E-09	1.94E-08	5.59E-09	2.88E-09	8.47E-09
1444	569700.5	4215110	8.52E-08	4.82E-08	1.33E-07	1.30E-08	7.34E-09	2.03E-08	5.87E-09	3.02E-09	8.89E-09
1445	569737.9	4215178	1.39E-07	7.86E-08	2.17E-07	2.12E-08	1.20E-08	3.31E-08	9.56E-09	4.92E-09	1.45E-08
1446	569742.6	4215187	1.48E-07	8.41E-08	2.33E-07	2.27E-08	1.28E-08	3.55E-08	1.02E-08	5.26E-09	1.55E-08
1447	569747.2	4215195	1.59E-07	9.02E-08	2.49E-07	2.43E-08	1.37E-08	3.80E-08	1.10E-08	5.65E-09	1.66E-08
1448	569751.9	4215204	1.63E-07	9.21E-08	2.55E-07	2.48E-08	1.40E-08	3.88E-08	1.12E-08	5.77E-09	1.70E-08
1449	569756.6	4215212	1.65E-07	9.36E-08	2.59E-07	2.52E-08	1.42E-08	3.95E-08	1.14E-08	5.86E-09	1.73E-08
1450	569761.3	4215221	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
1451	569765.9	4215229	1.71E-07	9.66E-08	2.67E-07	2.60E-08	1.47E-08	4.07E-08	1.18E-08	6.05E-09	1.78E-08
1452	569770.6	4215238	1.65E-07	9.33E-08	2.58E-07	2.51E-08	1.42E-08	3.93E-08	1.13E-08	5.84E-09	1.72E-08
1453	569775.3	4215246	1.59E-07	8.98E-08	2.48E-07	2.42E-08	1.37E-08	3.79E-08	1.09E-08	5.63E-09	1.66E-08
1454	569643.9	4215020	5.35E-08	3.03E-08	8.38E-08	8.17E-09	4.61E-09	1.28E-08	3.69E-09	1.90E-09	5.59E-09
1455	569642.8	4215011	5.19E-08	2.94E-08	8.14E-08	7.93E-09	4.48E-09	1.24E-08	3.58E-09	1.84E-09	5.42E-09
1456	569641.7	4215002	5.06E-08	2.87E-08	7.92E-08	7.72E-09	4.36E-09	1.21E-08	3.49E-09	1.79E-09	5.28E-09
1457	569640.5	4214992	4.93E-08	2.79E-08	7.72E-08	7.53E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
1458	569639.4	4214983	4.79E-08	2.71E-08	7.51E-08	7.32E-09	4.13E-09	1.14E-08	3.30E-09	1.70E-09	5.00E-09
1459	569638.3	4214973	4.62E-08	2.62E-08	7.24E-08	7.06E-09	3.98E-09	1.10E-08	3.19E-09	1.64E-09	4.83E-09
1460	569637.2	4214964	4.46E-08	2.53E-08	6.98E-08	6.81E-09	3.84E-09	1.06E-08	3.07E-09	1.58E-09	4.65E-09

1461	569636.1	4214955	4.30E-08	2.43E-08	6.73E-08	6.56E-09	3.70E-09	1.03E-08	2.96E-09	1.52E-09	4.49E-09
1462	569635	4214945	4.15E-08	2.35E-08	6.51E-08	6.34E-09	3.58E-09	9.92E-09	2.86E-09	1.47E-09	4.34E-09
1463	569633.9	4214936	4.02E-08	2.28E-08	6.29E-08	6.13E-09	3.46E-09	9.60E-09	2.77E-09	1.42E-09	4.19E-09
1464	569632.7	4214926	3.89E-08	2.20E-08	6.09E-08	5.94E-09	3.35E-09	9.29E-09	2.68E-09	1.38E-09	4.06E-09
1465	569631.6	4214917	3.76E-08	2.13E-08	5.89E-08	5.74E-09	3.24E-09	8.98E-09	2.59E-09	1.33E-09	3.92E-09
1466	569630.5	4214908	3.63E-08	2.06E-08	5.69E-08	5.55E-09	3.13E-09	8.68E-09	2.50E-09	1.29E-09	3.79E-09
1467	569629.4	4214898	3.51E-08	1.99E-08	5.51E-08	5.37E-09	3.03E-09	8.39E-09	2.42E-09	1.25E-09	3.67E-09
1468	569628.3	4214889	3.41E-08	1.93E-08	5.34E-08	5.20E-09	2.93E-09	8.14E-09	2.35E-09	1.21E-09	3.56E-09
1469	569627.2	4214879	3.31E-08	1.87E-08	5.18E-08	5.05E-09	2.85E-09	7.90E-09	2.28E-09	1.17E-09	3.45E-09
1470	569626.1	4214870	3.21E-08	1.82E-08	5.03E-08	4.91E-09	2.77E-09	7.67E-09	2.21E-09	1.14E-09	3.35E-09
1471	569645	4215030	5.53E-08	3.14E-08	8.67E-08	8.45E-09	4.77E-09	1.32E-08	3.81E-09	1.96E-09	5.78E-09
1472	569649.7	4215038	5.73E-08	3.24E-08	8.97E-08	8.75E-09	4.94E-09	1.37E-08	3.95E-09	2.03E-09	5.98E-09
1473	569654.3	4215047	5.93E-08	3.36E-08	9.29E-08	9.06E-09	5.11E-09	1.42E-08	4.09E-09	2.10E-09	6.19E-09
1474	569659	4215055	6.18E-08	3.50E-08	9.68E-08	9.44E-09	5.33E-09	1.48E-08	4.26E-09	2.19E-09	6.45E-09
1475	569663.7	4215064	6.44E-08	3.65E-08	1.01E-07	9.83E-09	5.55E-09	1.54E-08	4.43E-09	2.28E-09	6.72E-09
1476	569668.4	4215072	6.70E-08	3.80E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.62E-09	2.38E-09	6.99E-09
1477	569673	4215081	7.00E-08	3.97E-08	1.10E-07	1.07E-08	6.03E-09	1.67E-08	4.82E-09	2.48E-09	7.31E-09
1478	569677.7	4215089	7.34E-08	4.16E-08	1.15E-07	1.12E-08	6.33E-09	1.75E-08	5.06E-09	2.60E-09	7.66E-09
1479	569682.4	4215098	7.71E-08	4.37E-08	1.21E-07	1.18E-08	6.65E-09	1.84E-08	5.31E-09	2.74E-09	8.05E-09
1480	569687.1	4215106	8.12E-08	4.60E-08	1.27E-07	1.24E-08	6.99E-09	1.94E-08	5.59E-09	2.88E-09	8.47E-09
1481	569691.7	4215115	8.52E-08	4.83E-08	1.33E-07	1.30E-08	7.34E-09	2.04E-08	5.87E-09	3.02E-09	8.90E-09
1482	569724.5	4215174	1.31E-07	7.43E-08	2.05E-07	2.00E-08	1.13E-08	3.13E-08	9.04E-09	4.65E-09	1.37E-08
1483	569729.1	4215183	1.40E-07	7.91E-08	2.19E-07	2.13E-08	1.20E-08	3.34E-08	9.62E-09	4.95E-09	1.46E-08
1484	569733.8	4215191	1.49E-07	8.43E-08	2.33E-07	2.27E-08	1.28E-08	3.55E-08	1.03E-08	5.28E-09	1.55E-08
1485	569738.5	4215200	1.55E-07	8.80E-08	2.43E-07	2.37E-08	1.34E-08	3.71E-08	1.07E-08	5.51E-09	1.62E-08
1486	569743.2	4215208	1.57E-07	8.90E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08
1487	569747.8	4215217	1.59E-07	9.00E-08	2.49E-07	2.43E-08	1.37E-08	3.80E-08	1.10E-08	5.64E-09	1.66E-08
1488	569752.5	4215225	1.61E-07	9.12E-08	2.52E-07	2.46E-08	1.39E-08	3.85E-08	1.11E-08	5.71E-09	1.68E-08
1489	569757.2	4215234	1.57E-07	8.87E-08	2.45E-07	2.39E-08	1.35E-08	3.74E-08	1.08E-08	5.55E-09	1.63E-08
1490	569761.9	4215242	1.52E-07	8.59E-08	2.37E-07	2.31E-08	1.31E-08	3.62E-08	1.04E-08	5.38E-09	1.58E-08
1491	569766.5	4215251	1.47E-07	8.30E-08	2.30E-07	2.24E-08	1.26E-08	3.50E-08	1.01E-08	5.20E-09	1.53E-08
1492	569635.1	4215025	5.39E-08	3.05E-08	8.44E-08	8.23E-09	4.64E-09	1.29E-08	3.71E-09	1.91E-09	5.62E-09
1493	569634	4215016	5.23E-08	2.96E-08	8.19E-08	7.98E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.46E-09
1494	569632.9	4215007	5.09E-08	2.88E-08	7.97E-08	7.77E-09	4.38E-09	1.22E-08	3.51E-09	1.80E-09	5.31E-09
1495	569631.8	4214997	4.95E-08	2.81E-08	7.76E-08	7.56E-09	4.27E-09	1.18E-08	3.41E-09	1.76E-09	5.17E-09
1496	569630.7	4214988	4.82E-08	2.73E-08	7.56E-08	7.37E-09	4.16E-09	1.15E-08	3.32E-09	1.71E-09	5.03E-09
1497	569629.6	4214979	4.66E-08	2.64E-08	7.30E-08	7.12E-09	4.02E-09	1.11E-08	3.21E-09	1.65E-09	4.86E-09
1498	569628.5	4214969	4.49E-08	2.54E-08	7.04E-08	6.86E-09	3.87E-09	1.07E-08	3.10E-09	1.59E-09	4.69E-09
1499	569627.4	4214960	4.33E-08	2.45E-08	6.79E-08	6.62E-09	3.73E-09	1.03E-08	2.99E-09	1.54E-09	4.52E-09
1500	569626.3	4214951	4.19E-08	2.37E-08	6.56E-08	6.39E-09	3.61E-09	1.00E-08	2.89E-09	1.49E-09	4.37E-09
1501	569625.2	4214941	4.06E-08	2.30E-08	6.35E-08	6.19E-09	3.50E-09	9.69E-09	2.80E-09	1.44E-09	4.23E-09
1502	569624.1	4214932	3.93E-08	2.23E-08	6.16E-08	6.01E-09	3.39E-09	9.40E-09	2.71E-09	1.40E-09	4.11E-09
1503	569623	4214923	3.81E-08	2.16E-08	5.97E-08	5.82E-09	3.29E-09	9.11E-09	2.63E-09	1.35E-09	3.98E-09
1504	569621.9	4214913	3.69E-08	2.09E-08	5.78E-08	5.64E-09	3.18E-09	8.82E-09	2.54E-09	1.31E-09	3.85E-09
1505	569620.8	4214904	3.58E-08	2.03E-08	5.60E-08	5.46E-09	3.08E-09	8.54E-09	2.46E-09	1.27E-09	3.73E-09
1506	569619.7	4214895	3.47E-08	1.97E-08	5.44E-08	5.30E-09	2.99E-09	8.29E-09	2.39E-09	1.23E-09	3.62E-09
1507	569618.6	4214885	3.38E-08	1.91E-08	5.29E-08	5.16E-09	2.91E-09	8.07E-09	2.33E-09	1.20E-09	3.52E-09
1508	569636.2	4215035	5.56E-08	3.15E-08	8.71E-08	8.49E-09	4.79E-09	1.33E-08	3.83E-09	1.97E-09	5.80E-09
1509	569640.9	4215043	5.74E-08	3.25E-08	8.99E-08	8.76E-09	4.95E-09	1.37E-08	3.96E-09	2.04E-09	5.99E-09
1510	569645.6	4215052	5.96E-08	3.37E-08	9.33E-08	9.10E-09	5.13E-09	1.42E-08	4.10E-09	2.11E-09	6.22E-09
1511	569650.3	4215060	6.19E-08	3.51E-08	9.70E-08	9.46E-09	5.34E-09	1.48E-08	4.27E-09	2.20E-09	6.47E-09
1512	569654.9	4215069	6.44E-08	3.65E-08	1.01E-07	9.83E-09	5.55E-09	1.54E-08	4.44E-09	2.28E-09	6.72E-09
1513	569659.6	4215077	6.69E-08	3.79E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.61E-09	2.37E-09	6.99E-09
1514	569664.3	4215086	7.00E-08	3.97E-08	1.10E-07	1.07E-08	6.04E-09	1.67E-08	4.83E-09	2.48E-09	7.31E-09
1515	569669	4215094	7.34E-08	4.16E-08	1.15E-07	1.12E-08	6.32E-09	1.75E-08	5.06E-09	2.60E-09	7.66E-09
1516	569673.6	4215103	7.70E-08	4.36E-08	1.21E-07	1.18E-08	6.64E-09	1.84E-08	5.31E-09	2.73E-09	8.04E-09
1517	569678.3	4215111	8.08E-08	4.57E-08	1.27E-07	1.23E-08	6.96E-09	1.93E-08	5.56E-09	2.86E-09	8.43E-09
1518	569683	4215120	8.47E-08	4.80E-08	1.33E-07	1.29E-08	7.30E-09	2.02E-08	5.83E-09	3.00E-09	8.84E-09
1519	569711	4215171	1.19E-07	6.73E-08	1.86E-07	1.81E-08	1.02E-08	2.84E-08	8.19E-09	4.21E-09	1.24E-08
1520	569715.7	4215179	1.28E-07	7.28E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.85E-09	4.56E-09	1.34E-08
1521	569720.4	4215188	1.39E-07	7.86E-08	2.17E-07	2.12E-08	1.19E-08	3.31E-08	9.56E-09	4.92E-09	1.45E-08

1522	569725	4215196	1.49E-07	8.43E-08	2.33E-07	2.27E-08	1.28E-08	3.56E-08	1.03E-08	5.28E-09	1.55E-08
1523	569729.7	4215205	1.50E-07	8.50E-08	2.35E-07	2.29E-08	1.29E-08	3.58E-08	1.03E-08	5.32E-09	1.57E-08
1524	569734.4	4215213	1.51E-07	8.58E-08	2.37E-07	2.31E-08	1.30E-08	3.62E-08	1.04E-08	5.37E-09	1.58E-08
1525	569739.1	4215222	1.53E-07	8.66E-08	2.40E-07	2.33E-08	1.32E-08	3.65E-08	1.05E-08	5.42E-09	1.60E-08
1526	569743.7	4215230	1.51E-07	8.54E-08	2.36E-07	2.30E-08	1.30E-08	3.60E-08	1.04E-08	5.35E-09	1.57E-08
1527	569748.4	4215239	1.45E-07	8.23E-08	2.28E-07	2.22E-08	1.25E-08	3.47E-08	1.00E-08	5.15E-09	1.52E-08
1528	569753.1	4215247	1.40E-07	7.95E-08	2.20E-07	2.14E-08	1.21E-08	3.35E-08	9.67E-09	4.98E-09	1.47E-08
1529	569757.8	4215256	1.36E-07	7.72E-08	2.13E-07	2.08E-08	1.17E-08	3.25E-08	9.39E-09	4.83E-09	1.42E-08
1530	569626.3	4215030	5.39E-08	3.05E-08	8.44E-08	8.23E-09	4.64E-09	1.29E-08	3.71E-09	1.91E-09	5.63E-09
1531	569625.2	4215020	5.23E-08	2.96E-08	8.19E-08	7.98E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.45E-09
1532	569624	4215011	5.07E-08	2.87E-08	7.94E-08	7.74E-09	4.37E-09	1.21E-08	3.49E-09	1.80E-09	5.29E-09
1533	569622.9	4215001	4.93E-08	2.79E-08	7.72E-08	7.52E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.14E-09
1534	569621.8	4214991	4.79E-08	2.71E-08	7.50E-08	7.31E-09	4.13E-09	1.14E-08	3.30E-09	1.70E-09	5.00E-09
1535	569620.6	4214982	4.64E-08	2.63E-08	7.26E-08	7.08E-09	4.00E-09	1.11E-08	3.20E-09	1.64E-09	4.84E-09
1536	569619.5	4214972	4.47E-08	2.53E-08	7.01E-08	6.83E-09	3.85E-09	1.07E-08	3.08E-09	1.59E-09	4.67E-09
1537	569618.3	4214962	4.31E-08	2.44E-08	6.76E-08	6.59E-09	3.72E-09	1.03E-08	2.97E-09	1.53E-09	4.50E-09
1538	569617.2	4214953	4.17E-08	2.36E-08	6.53E-08	6.36E-09	3.59E-09	9.96E-09	2.87E-09	1.48E-09	4.35E-09
1539	569616.1	4214943	4.04E-08	2.29E-08	6.33E-08	6.17E-09	3.48E-09	9.65E-09	2.78E-09	1.43E-09	4.22E-09
1540	569614.9	4214933	3.92E-08	2.22E-08	6.14E-08	5.98E-09	3.38E-09	9.36E-09	2.70E-09	1.39E-09	4.09E-09
1541	569613.8	4214924	3.80E-08	2.15E-08	5.96E-08	5.81E-09	3.28E-09	9.08E-09	2.62E-09	1.35E-09	3.97E-09
1542	569612.6	4214914	3.68E-08	2.09E-08	5.77E-08	5.62E-09	3.17E-09	8.80E-09	2.54E-09	1.31E-09	3.84E-09
1543	569611.5	4214905	3.57E-08	2.02E-08	5.59E-08	5.45E-09	3.08E-09	8.53E-09	2.46E-09	1.27E-09	3.73E-09
1544	569610.4	4214895	3.47E-08	1.96E-08	5.43E-08	5.29E-09	2.99E-09	8.28E-09	2.39E-09	1.23E-09	3.62E-09
1545	569627.5	4215039	5.56E-08	3.15E-08	8.70E-08	8.48E-09	4.79E-09	1.33E-08	3.83E-09	1.97E-09	5.80E-09
1546	569632.1	4215048	5.75E-08	3.26E-08	9.00E-08	8.78E-09	4.95E-09	1.37E-08	3.96E-09	2.04E-09	6.00E-09
1547	569636.8	4215056	5.97E-08	3.38E-08	9.35E-08	9.11E-09	5.14E-09	1.43E-08	4.11E-09	2.12E-09	6.23E-09
1548	569641.5	4215065	6.20E-08	3.51E-08	9.71E-08	9.46E-09	5.34E-09	1.48E-08	4.27E-09	2.20E-09	6.47E-09
1549	569646.2	4215073	6.43E-08	3.64E-08	1.01E-07	9.82E-09	5.54E-09	1.54E-08	4.43E-09	2.28E-09	6.71E-09
1550	569650.8	4215082	6.70E-08	3.79E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.61E-09	2.37E-09	6.99E-09
1551	569655.5	4215090	7.00E-08	3.96E-08	1.10E-07	1.07E-08	6.03E-09	1.67E-08	4.82E-09	2.48E-09	7.31E-09
1552	569660.2	4215099	7.32E-08	4.15E-08	1.15E-07	1.12E-08	6.31E-09	1.75E-08	5.05E-09	2.60E-09	7.65E-09
1553	569664.9	4215107	7.67E-08	4.35E-08	1.20E-07	1.17E-08	6.61E-09	1.83E-08	5.29E-09	2.72E-09	8.01E-09
1554	569669.5	4215116	8.02E-08	4.54E-08	1.26E-07	1.22E-08	6.91E-09	1.92E-08	5.53E-09	2.85E-09	8.37E-09
1555	569674.2	4215124	8.40E-08	4.76E-08	1.32E-07	1.28E-08	7.24E-09	2.01E-08	5.79E-09	2.98E-09	8.77E-09
1556	569688.2	4215150	9.70E-08	5.50E-08	1.52E-07	1.48E-08	8.36E-09	2.32E-08	6.68E-09	3.44E-09	1.01E-08
1557	569692.9	4215158	1.02E-07	5.77E-08	1.60E-07	1.56E-08	8.78E-09	2.43E-08	7.02E-09	3.61E-09	1.06E-08
1558	569697.6	4215167	1.08E-07	6.11E-08	1.69E-07	1.65E-08	9.29E-09	2.58E-08	7.43E-09	3.82E-09	1.13E-08
1559	569702.3	4215175	1.16E-07	6.59E-08	1.82E-07	1.78E-08	1.00E-08	2.78E-08	8.01E-09	4.13E-09	1.21E-08
1560	569706.9	4215184	1.26E-07	7.12E-08	1.97E-07	1.92E-08	1.08E-08	3.00E-08	8.66E-09	4.46E-09	1.31E-08
1561	569711.6	4215192	1.36E-07	7.68E-08	2.12E-07	2.07E-08	1.17E-08	3.24E-08	9.35E-09	4.81E-09	1.42E-08
1562	569716.3	4215201	1.42E-07	8.05E-08	2.23E-07	2.17E-08	1.22E-08	3.39E-08	9.79E-09	5.04E-09	1.48E-08
1563	569721	4215209	1.44E-07	8.18E-08	2.26E-07	2.20E-08	1.24E-08	3.45E-08	9.95E-09	5.12E-09	1.51E-08
1564	569725.6	4215218	1.46E-07	8.25E-08	2.28E-07	2.22E-08	1.26E-08	3.48E-08	1.00E-08	5.17E-09	1.52E-08
1565	569730.3	4215226	1.47E-07	8.30E-08	2.30E-07	2.24E-08	1.26E-08	3.50E-08	1.01E-08	5.20E-09	1.53E-08
1566	569735	4215235	1.41E-07	7.97E-08	2.20E-07	2.15E-08	1.21E-08	3.36E-08	9.69E-09	4.99E-09	1.47E-08
1567	569739.7	4215243	1.35E-07	7.67E-08	2.12E-07	2.07E-08	1.17E-08	3.24E-08	9.33E-09	4.80E-09	1.41E-08
1568	569744.3	4215252	1.31E-07	7.42E-08	2.05E-07	2.00E-08	1.13E-08	3.13E-08	9.03E-09	4.65E-09	1.37E-08
1569	569749	4215260	1.27E-07	7.21E-08	1.99E-07	1.94E-08	1.10E-08	3.04E-08	8.78E-09	4.52E-09	1.33E-08
1570	569984.8	4215238	7.00E-07	3.96E-07	1.10E-06	1.07E-07	6.03E-08	1.67E-07	4.82E-08	2.48E-08	7.30E-08
1571	569985.1	4215248	6.43E-07	3.64E-07	1.01E-06	9.82E-08	5.54E-08	1.54E-07	4.43E-08	2.28E-08	6.71E-08
1572	569985.4	4215257	5.86E-07	3.32E-07	9.17E-07	8.94E-08	5.05E-08	1.40E-07	4.04E-08	2.08E-08	6.11E-08
1573	569985.7	4215267	5.26E-07	2.98E-07	8.24E-07	8.04E-08	4.54E-08	1.26E-07	3.63E-08	1.87E-08	5.49E-08
1574	569986	4215277	4.73E-07	2.68E-07	7.42E-07	7.23E-08	4.08E-08	1.13E-07	3.26E-08	1.68E-08	4.94E-08
1575	569986.3	4215287	4.30E-07	2.44E-07	6.74E-07	6.57E-08	3.71E-08	1.03E-07	2.97E-08	1.53E-08	4.49E-08
1576	569986.7	4215296	4.20E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
1577	569987	4215306	4.15E-07	2.35E-07	6.50E-07	6.33E-08	3.57E-08	9.91E-08	2.86E-08	1.47E-08	4.33E-08
1578	569987.3	4215316	4.14E-07	2.35E-07	6.49E-07	6.33E-08	3.57E-08	9.90E-08	2.86E-08	1.47E-08	4.33E-08
1579	569987.6	4215325	4.28E-07	2.42E-07	6.71E-07	6.54E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
1580	569987.9	4215335	4.46E-07	2.53E-07	6.99E-07	6.81E-08	3.84E-08	1.07E-07	3.07E-08	1.58E-08	4.66E-08
1581	569988.2	4215345	4.75E-07	2.69E-07	7.45E-07	7.26E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.96E-08
1582	569988.6	4215354	4.72E-07	2.68E-07	7.40E-07	7.21E-08	4.07E-08	1.13E-07	3.25E-08	1.67E-08	4.93E-08

1583	569988.9	4215364	4.60E-07	2.60E-07	7.20E-07	7.02E-08	3.96E-08	1.10E-07	3.17E-08	1.63E-08	4.80E-08
1584	569989.2	4215374	4.60E-07	2.61E-07	7.21E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
1585	569973.5	4215200	7.59E-07	4.30E-07	1.19E-06	1.16E-07	6.54E-08	1.81E-07	5.23E-08	2.69E-08	7.92E-08
1586	569973.8	4215209	7.32E-07	4.15E-07	1.15E-06	1.12E-07	6.31E-08	1.75E-07	5.04E-08	2.60E-08	7.64E-08
1587	569974.1	4215219	6.90E-07	3.91E-07	1.08E-06	1.05E-07	5.95E-08	1.65E-07	4.76E-08	2.45E-08	7.21E-08
1588	569974.5	4215229	6.45E-07	3.65E-07	1.01E-06	9.85E-08	5.56E-08	1.54E-07	4.44E-08	2.29E-08	6.73E-08
1589	569974.8	4215238	6.03E-07	3.42E-07	9.45E-07	9.21E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
1590	569975.1	4215248	5.60E-07	3.17E-07	8.77E-07	8.55E-08	4.82E-08	1.34E-07	3.86E-08	1.99E-08	5.84E-08
1591	569975.4	4215258	5.15E-07	2.92E-07	8.07E-07	7.87E-08	4.44E-08	1.23E-07	3.55E-08	1.83E-08	5.38E-08
1592	569975.7	4215267	4.67E-07	2.65E-07	7.32E-07	7.13E-08	4.02E-08	1.12E-07	3.22E-08	1.66E-08	4.87E-08
1593	569976	4215277	4.25E-07	2.41E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
1594	569976.4	4215287	3.91E-07	2.22E-07	6.13E-07	5.98E-08	3.37E-08	9.35E-08	2.70E-08	1.39E-08	4.09E-08
1595	569976.7	4215297	3.85E-07	2.18E-07	6.03E-07	5.88E-08	3.32E-08	9.20E-08	2.65E-08	1.37E-08	4.02E-08
1596	569977	4215306	3.82E-07	2.16E-07	5.98E-07	5.83E-08	3.29E-08	9.12E-08	2.63E-08	1.35E-08	3.99E-08
1597	569977.3	4215316	3.82E-07	2.17E-07	5.99E-07	5.84E-08	3.29E-08	9.13E-08	2.63E-08	1.36E-08	3.99E-08
1598	569977.6	4215326	3.97E-07	2.25E-07	6.21E-07	6.06E-08	3.42E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
1599	569977.9	4215335	4.14E-07	2.35E-07	6.49E-07	6.32E-08	3.57E-08	9.89E-08	2.85E-08	1.47E-08	4.32E-08
1600	569978.2	4215345	4.43E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
1601	569978.6	4215355	4.42E-07	2.51E-07	6.93E-07	6.75E-08	3.81E-08	1.06E-07	3.05E-08	1.57E-08	4.62E-08
1602	569978.9	4215364	4.36E-07	2.47E-07	6.83E-07	6.66E-08	3.76E-08	1.04E-07	3.01E-08	1.55E-08	4.55E-08
1603	569979.2	4215374	4.53E-07	2.56E-07	7.09E-07	6.91E-08	3.90E-08	1.08E-07	3.12E-08	1.61E-08	4.72E-08
1604	569962.6	4215171	6.92E-07	3.92E-07	1.08E-06	1.06E-07	5.96E-08	1.65E-07	4.77E-08	2.46E-08	7.23E-08
1605	569962.9	4215181	6.99E-07	3.96E-07	1.10E-06	1.07E-07	6.03E-08	1.67E-07	4.82E-08	2.48E-08	7.30E-08
1606	569963.2	4215190	6.89E-07	3.91E-07	1.08E-06	1.05E-07	5.94E-08	1.65E-07	4.75E-08	2.45E-08	7.20E-08
1607	569963.5	4215200	6.71E-07	3.80E-07	1.05E-06	1.03E-07	5.79E-08	1.60E-07	4.63E-08	2.38E-08	7.01E-08
1608	569963.8	4215210	6.38E-07	3.61E-07	9.99E-07	9.74E-08	5.49E-08	1.52E-07	4.39E-08	2.26E-08	6.66E-08
1609	569964.2	4215219	5.95E-07	3.37E-07	9.32E-07	9.09E-08	5.13E-08	1.42E-07	4.10E-08	2.11E-08	6.21E-08
1610	569964.5	4215229	5.54E-07	3.14E-07	8.67E-07	8.45E-08	4.77E-08	1.32E-07	3.81E-08	1.96E-08	5.78E-08
1611	569964.8	4215239	5.23E-07	2.96E-07	8.19E-07	7.98E-08	4.50E-08	1.25E-07	3.60E-08	1.85E-08	5.46E-08
1612	569965.1	4215248	4.91E-07	2.78E-07	7.69E-07	7.50E-08	4.23E-08	1.17E-07	3.38E-08	1.74E-08	5.12E-08
1613	569965.4	4215258	4.57E-07	2.59E-07	7.16E-07	6.98E-08	3.94E-08	1.09E-07	3.15E-08	1.62E-08	4.77E-08
1614	569965.7	4215268	4.18E-07	2.37E-07	6.54E-07	6.38E-08	3.60E-08	9.98E-08	2.88E-08	1.48E-08	4.36E-08
1615	569966	4215277	3.84E-07	2.17E-07	6.01E-07	5.86E-08	3.30E-08	9.16E-08	2.64E-08	1.36E-08	4.00E-08
1616	569966.4	4215287	3.58E-07	2.03E-07	5.60E-07	5.46E-08	3.08E-08	8.54E-08	2.47E-08	1.27E-08	3.73E-08
1617	569966.7	4215297	3.54E-07	2.00E-07	5.54E-07	5.40E-08	3.05E-08	8.45E-08	2.44E-08	1.26E-08	3.69E-08
1618	569967	4215307	3.52E-07	2.00E-07	5.52E-07	5.38E-08	3.04E-08	8.42E-08	2.43E-08	1.25E-08	3.68E-08
1619	569967.3	4215316	3.53E-07	2.00E-07	5.53E-07	5.40E-08	3.04E-08	8.44E-08	2.43E-08	1.25E-08	3.69E-08
1620	569967.6	4215326	3.68E-07	2.09E-07	5.77E-07	5.62E-08	3.17E-08	8.80E-08	2.54E-08	1.31E-08	3.84E-08
1621	569967.9	4215336	3.85E-07	2.18E-07	6.04E-07	5.88E-08	3.32E-08	9.21E-08	2.66E-08	1.37E-08	4.02E-08
1622	569968.2	4215345	4.06E-07	2.30E-07	6.35E-07	6.19E-08	3.49E-08	9.69E-08	2.79E-08	1.44E-08	4.23E-08
1623	569968.6	4215355	4.06E-07	2.30E-07	6.36E-07	6.20E-08	3.50E-08	9.70E-08	2.80E-08	1.44E-08	4.24E-08
1624	569968.9	4215365	4.16E-07	2.36E-07	6.52E-07	6.36E-08	3.59E-08	9.94E-08	2.87E-08	1.48E-08	4.35E-08
1625	569969.2	4215374	4.50E-07	2.55E-07	7.05E-07	6.87E-08	3.88E-08	1.07E-07	3.10E-08	1.60E-08	4.69E-08
1626	569952.3	4215162	6.04E-07	3.42E-07	9.46E-07	9.22E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
1627	569952.6	4215171	6.23E-07	3.53E-07	9.76E-07	9.51E-08	5.37E-08	1.49E-07	4.29E-08	2.21E-08	6.50E-08
1628	569952.9	4215181	6.28E-07	3.56E-07	9.83E-07	9.58E-08	5.41E-08	1.50E-07	4.32E-08	2.23E-08	6.55E-08
1629	569953.2	4215191	6.18E-07	3.50E-07	9.68E-07	9.44E-08	5.33E-08	1.48E-07	4.26E-08	2.19E-08	6.45E-08
1630	569953.5	4215200	6.01E-07	3.40E-07	9.42E-07	9.18E-08	5.18E-08	1.44E-07	4.14E-08	2.13E-08	6.27E-08
1631	569953.8	4215210	5.67E-07	3.21E-07	8.89E-07	8.66E-08	4.89E-08	1.35E-07	3.91E-08	2.01E-08	5.92E-08
1632	569954.2	4215220	5.25E-07	2.98E-07	8.23E-07	8.02E-08	4.53E-08	1.26E-07	3.62E-08	1.86E-08	5.49E-08
1633	569954.5	4215229	4.87E-07	2.76E-07	7.62E-07	7.43E-08	4.19E-08	1.16E-07	3.35E-08	1.73E-08	5.08E-08
1634	569954.8	4215239	4.60E-07	2.61E-07	7.20E-07	7.02E-08	3.96E-08	1.10E-07	3.17E-08	1.63E-08	4.80E-08
1635	569955.1	4215249	4.33E-07	2.45E-07	6.78E-07	6.61E-08	3.73E-08	1.03E-07	2.98E-08	1.54E-08	4.52E-08
1636	569955.4	4215258	4.06E-07	2.30E-07	6.35E-07	6.19E-08	3.49E-08	9.69E-08	2.79E-08	1.44E-08	4.23E-08
1637	569955.7	4215268	3.77E-07	2.14E-07	5.91E-07	5.76E-08	3.25E-08	9.01E-08	2.60E-08	1.34E-08	3.94E-08
1638	569956	4215278	3.52E-07	2.00E-07	5.52E-07	5.38E-08	3.04E-08	8.42E-08	2.43E-08	1.25E-08	3.68E-08
1639	569956.4	4215287	3.34E-07	1.89E-07	5.23E-07	5.10E-08	2.88E-08	7.97E-08	2.30E-08	1.18E-08	3.48E-08
1640	569956.7	4215297	3.30E-07	1.87E-07	5.17E-07	5.04E-08	2.84E-08	7.88E-08	2.27E-08	1.17E-08	3.45E-08
1641	569957	4215307	3.29E-07	1.86E-07	5.15E-07	5.02E-08	2.83E-08	7.85E-08	2.26E-08	1.17E-08	3.43E-08
1642	569957.3	4215317	3.29E-07	1.87E-07	5.16E-07	5.03E-08	2.84E-08	7.87E-08	2.27E-08	1.17E-08	3.44E-08
1643	569957.6	4215326	3.42E-07	1.94E-07	5.35E-07	5.22E-08	2.94E-08	8.16E-08	2.36E-08	1.21E-08	3.57E-08

1644	569957.9	4215336	3.56E-07	2.01E-07	5.57E-07	5.43E-08	3.06E-08	8.49E-08	2.45E-08	1.26E-08	3.71E-08
1645	569958.3	4215346	3.72E-07	2.11E-07	5.84E-07	5.69E-08	3.21E-08	8.90E-08	2.57E-08	1.32E-08	3.89E-08
1646	569958.6	4215355	3.77E-07	2.13E-07	5.90E-07	5.75E-08	3.24E-08	8.99E-08	2.59E-08	1.34E-08	3.93E-08
1647	569958.9	4215365	3.95E-07	2.24E-07	6.18E-07	6.02E-08	3.40E-08	9.42E-08	2.72E-08	1.40E-08	4.12E-08
1648	569959.2	4215375	4.46E-07	2.52E-07	6.98E-07	6.80E-08	3.84E-08	1.06E-07	3.07E-08	1.58E-08	4.65E-08
1649	569942.6	4215172	5.66E-07	3.20E-07	8.86E-07	8.64E-08	4.87E-08	1.35E-07	3.90E-08	2.01E-08	5.90E-08
1650	569942.9	4215181	5.68E-07	3.22E-07	8.90E-07	8.67E-08	4.89E-08	1.36E-07	3.91E-08	2.01E-08	5.93E-08
1651	569943.2	4215191	5.67E-07	3.21E-07	8.88E-07	8.66E-08	4.88E-08	1.35E-07	3.91E-08	2.01E-08	5.92E-08
1652	569943.5	4215201	5.41E-07	3.07E-07	8.48E-07	8.26E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.65E-08
1653	569943.8	4215210	5.07E-07	2.87E-07	7.95E-07	7.75E-08	4.37E-08	1.21E-07	3.50E-08	1.80E-08	5.30E-08
1654	569944.2	4215220	4.67E-07	2.65E-07	7.32E-07	7.13E-08	4.02E-08	1.12E-07	3.22E-08	1.66E-08	4.87E-08
1655	569944.5	4215230	4.31E-07	2.44E-07	6.76E-07	6.59E-08	3.72E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
1656	569944.8	4215239	4.08E-07	2.31E-07	6.38E-07	6.22E-08	3.51E-08	9.73E-08	2.81E-08	1.45E-08	4.25E-08
1657	569945.1	4215249	3.84E-07	2.18E-07	6.01E-07	5.86E-08	3.31E-08	9.17E-08	2.65E-08	1.36E-08	4.01E-08
1658	569945.4	4215259	3.62E-07	2.05E-07	5.67E-07	5.53E-08	3.12E-08	8.65E-08	2.49E-08	1.28E-08	3.78E-08
1659	569945.7	4215268	3.43E-07	1.94E-07	5.38E-07	5.24E-08	2.96E-08	8.20E-08	2.36E-08	1.22E-08	3.58E-08
1660	569946.1	4215278	3.26E-07	1.85E-07	5.11E-07	4.98E-08	2.81E-08	7.80E-08	2.25E-08	1.16E-08	3.41E-08
1661	569946.4	4215288	3.14E-07	1.78E-07	4.91E-07	4.79E-08	2.70E-08	7.49E-08	2.16E-08	1.11E-08	3.27E-08
1662	569946.7	4215297	3.10E-07	1.76E-07	4.86E-07	4.73E-08	2.67E-08	7.40E-08	2.14E-08	1.10E-08	3.24E-08
1663	569947	4215307	3.08E-07	1.74E-07	4.83E-07	4.70E-08	2.65E-08	7.36E-08	2.12E-08	1.09E-08	3.22E-08
1664	569947.3	4215317	3.08E-07	1.75E-07	4.83E-07	4.71E-08	2.66E-08	7.36E-08	2.12E-08	1.09E-08	3.22E-08
1665	569947.6	4215327	3.17E-07	1.80E-07	4.97E-07	4.84E-08	2.73E-08	7.58E-08	2.19E-08	1.13E-08	3.31E-08
1666	569947.9	4215336	3.28E-07	1.86E-07	5.13E-07	5.00E-08	2.82E-08	7.82E-08	2.26E-08	1.16E-08	3.42E-08
1667	569948.3	4215346	3.40E-07	1.93E-07	5.33E-07	5.20E-08	2.93E-08	8.13E-08	2.35E-08	1.21E-08	3.55E-08
1668	569948.6	4215356	3.49E-07	1.98E-07	5.46E-07	5.32E-08	3.00E-08	8.33E-08	2.40E-08	1.24E-08	3.64E-08
1669	569948.9	4215365	3.75E-07	2.12E-07	5.87E-07	5.72E-08	3.23E-08	8.95E-08	2.58E-08	1.33E-08	3.91E-08
1670	569949.2	4215375	4.43E-07	2.51E-07	6.94E-07	6.77E-08	3.82E-08	1.06E-07	3.05E-08	1.57E-08	4.63E-08
1671	569932.6	4215172	5.17E-07	2.93E-07	8.11E-07	7.90E-08	4.46E-08	1.24E-07	3.57E-08	1.84E-08	5.40E-08
1672	569932.9	4215182	5.18E-07	2.93E-07	8.11E-07	7.91E-08	4.46E-08	1.24E-07	3.57E-08	1.84E-08	5.41E-08
1673	569933.2	4215191	5.17E-07	2.93E-07	8.09E-07	7.89E-08	4.45E-08	1.23E-07	3.56E-08	1.83E-08	5.39E-08
1674	569933.5	4215201	4.90E-07	2.78E-07	7.67E-07	7.48E-08	4.22E-08	1.17E-07	3.38E-08	1.74E-08	5.11E-08
1675	569933.9	4215211	4.56E-07	2.58E-07	7.14E-07	6.96E-08	3.93E-08	1.09E-07	3.14E-08	1.62E-08	4.76E-08
1676	569934.2	4215220	4.17E-07	2.36E-07	6.53E-07	6.37E-08	3.59E-08	9.96E-08	2.87E-08	1.48E-08	4.35E-08
1677	569934.5	4215230	3.85E-07	2.18E-07	6.02E-07	5.87E-08	3.31E-08	9.19E-08	2.65E-08	1.36E-08	4.01E-08
1678	569934.8	4215240	3.63E-07	2.06E-07	5.69E-07	5.55E-08	3.13E-08	8.68E-08	2.50E-08	1.29E-08	3.79E-08
1679	569935.1	4215249	3.43E-07	1.94E-07	5.37E-07	5.24E-08	2.95E-08	8.19E-08	2.36E-08	1.22E-08	3.58E-08
1680	569935.4	4215259	3.26E-07	1.85E-07	5.10E-07	4.97E-08	2.81E-08	7.78E-08	2.24E-08	1.16E-08	3.40E-08
1681	569935.7	4215269	3.14E-07	1.78E-07	4.92E-07	4.80E-08	2.71E-08	7.50E-08	2.16E-08	1.11E-08	3.28E-08
1682	569936.1	4215278	3.04E-07	1.72E-07	4.76E-07	4.64E-08	2.62E-08	7.25E-08	2.09E-08	1.08E-08	3.17E-08
1683	569936.4	4215288	2.95E-07	1.67E-07	4.63E-07	4.51E-08	2.54E-08	7.05E-08	2.03E-08	1.05E-08	3.08E-08
1684	569936.7	4215298	2.92E-07	1.65E-07	4.57E-07	4.45E-08	2.51E-08	6.96E-08	2.01E-08	1.03E-08	3.04E-08
1685	569937	4215307	2.89E-07	1.64E-07	4.53E-07	4.41E-08	2.49E-08	6.91E-08	1.99E-08	1.03E-08	3.02E-08
1686	569937.3	4215317	2.89E-07	1.64E-07	4.52E-07	4.41E-08	2.49E-08	6.90E-08	1.99E-08	1.02E-08	3.01E-08
1687	569937.6	4215327	2.95E-07	1.67E-07	4.62E-07	4.50E-08	2.54E-08	7.05E-08	2.03E-08	1.05E-08	3.08E-08
1688	569937.9	4215336	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.24E-08	2.09E-08	1.08E-08	3.16E-08
1689	569938.3	4215346	3.15E-07	1.78E-07	4.93E-07	4.81E-08	2.71E-08	7.52E-08	2.17E-08	1.12E-08	3.28E-08
1690	569938.6	4215356	3.28E-07	1.86E-07	5.14E-07	5.01E-08	2.83E-08	7.84E-08	2.26E-08	1.16E-08	3.42E-08
1691	569938.9	4215366	3.63E-07	2.05E-07	5.68E-07	5.54E-08	3.12E-08	8.66E-08	2.50E-08	1.29E-08	3.79E-08
1692	569939.2	4215375	4.48E-07	2.54E-07	7.01E-07	6.84E-08	3.86E-08	1.07E-07	3.09E-08	1.59E-08	4.67E-08
1693	569922.9	4215182	4.76E-07	2.70E-07	7.46E-07	7.27E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.97E-08
1694	569923.2	4215192	4.77E-07	2.70E-07	7.48E-07	7.29E-08	4.11E-08	1.14E-07	3.29E-08	1.69E-08	4.98E-08
1695	569923.5	4215201	4.55E-07	2.58E-07	7.14E-07	6.96E-08	3.92E-08	1.09E-07	3.14E-08	1.62E-08	4.75E-08
1696	569923.9	4215211	4.22E-07	2.39E-07	6.62E-07	6.45E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
1697	569924.2	4215221	3.83E-07	2.17E-07	6.01E-07	5.86E-08	3.30E-08	9.16E-08	2.64E-08	1.36E-08	4.00E-08
1698	569924.5	4215230	3.52E-07	1.99E-07	5.52E-07	5.38E-08	3.03E-08	8.41E-08	2.43E-08	1.25E-08	3.67E-08
1699	569924.8	4215240	3.32E-07	1.88E-07	5.19E-07	5.06E-08	2.86E-08	7.92E-08	2.28E-08	1.18E-08	3.46E-08
1700	569925.1	4215250	3.12E-07	1.77E-07	4.89E-07	4.77E-08	2.69E-08	7.46E-08	2.15E-08	1.11E-08	3.26E-08
1701	569925.4	4215259	2.97E-07	1.68E-07	4.66E-07	4.54E-08	2.56E-08	7.10E-08	2.05E-08	1.05E-08	3.10E-08
1702	569925.7	4215269	2.89E-07	1.63E-07	4.52E-07	4.41E-08	2.49E-08	6.89E-08	1.99E-08	1.02E-08	3.01E-08
1703	569926.1	4215279	2.81E-07	1.59E-07	4.40E-07	4.29E-08	2.42E-08	6.71E-08	1.94E-08	9.97E-09	2.93E-08
1704	569926.4	4215288	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.56E-08	1.89E-08	9.75E-09	2.87E-08

1705	569926.7	4215298	2.71E-07	1.54E-07	4.25E-07	4.14E-08	2.34E-08	6.48E-08	1.87E-08	9.62E-09	2.83E-08
1706	569927	4215308	2.69E-07	1.52E-07	4.21E-07	4.11E-08	2.32E-08	6.42E-08	1.85E-08	9.54E-09	2.81E-08
1707	569927.3	4215317	2.69E-07	1.52E-07	4.21E-07	4.10E-08	2.31E-08	6.41E-08	1.85E-08	9.53E-09	2.80E-08
1708	569927.6	4215327	2.75E-07	1.56E-07	4.30E-07	4.19E-08	2.37E-08	6.56E-08	1.89E-08	9.74E-09	2.87E-08
1709	569928	4215337	2.83E-07	1.60E-07	4.43E-07	4.32E-08	2.44E-08	6.76E-08	1.95E-08	1.00E-08	2.96E-08
1710	569928.3	4215346	2.96E-07	1.68E-07	4.63E-07	4.52E-08	2.55E-08	7.07E-08	2.04E-08	1.05E-08	3.09E-08
1711	569928.6	4215356	3.13E-07	1.77E-07	4.90E-07	4.78E-08	2.70E-08	7.47E-08	2.16E-08	1.11E-08	3.27E-08
1712	569928.9	4215366	3.53E-07	2.00E-07	5.53E-07	5.39E-08	3.04E-08	8.44E-08	2.43E-08	1.25E-08	3.69E-08
1713	569929.2	4215376	4.46E-07	2.53E-07	6.99E-07	6.82E-08	3.85E-08	1.07E-07	3.08E-08	1.58E-08	4.66E-08
1714	569912.9	4215182	4.40E-07	2.49E-07	6.89E-07	6.72E-08	3.79E-08	1.05E-07	3.03E-08	1.56E-08	4.59E-08
1715	569913.2	4215192	4.43E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
1716	569913.5	4215202	4.25E-07	2.41E-07	6.66E-07	6.49E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
1717	569913.9	4215211	3.93E-07	2.22E-07	6.15E-07	6.00E-08	3.38E-08	9.38E-08	2.71E-08	1.39E-08	4.10E-08
1718	569914.2	4215221	3.54E-07	2.01E-07	5.55E-07	5.41E-08	3.05E-08	8.46E-08	2.44E-08	1.26E-08	3.70E-08
1719	569914.5	4215231	3.24E-07	1.84E-07	5.08E-07	4.95E-08	2.79E-08	7.74E-08	2.23E-08	1.15E-08	3.38E-08
1720	569914.8	4215240	3.04E-07	1.72E-07	4.77E-07	4.65E-08	2.62E-08	7.27E-08	2.10E-08	1.08E-08	3.18E-08
1721	569915.1	4215250	2.86E-07	1.62E-07	4.49E-07	4.37E-08	2.47E-08	6.84E-08	1.97E-08	1.02E-08	2.99E-08
1722	569915.4	4215260	2.73E-07	1.54E-07	4.27E-07	4.16E-08	2.35E-08	6.51E-08	1.88E-08	9.67E-09	2.85E-08
1723	569915.8	4215269	2.66E-07	1.50E-07	4.16E-07	4.06E-08	2.29E-08	6.34E-08	1.83E-08	9.42E-09	2.77E-08
1724	569916.1	4215279	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.23E-08	6.19E-08	1.79E-08	9.20E-09	2.71E-08
1725	569916.4	4215289	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.07E-08	1.75E-08	9.01E-09	2.65E-08
1726	569916.7	4215298	2.50E-07	1.42E-07	3.92E-07	3.82E-08	2.16E-08	5.98E-08	1.73E-08	8.88E-09	2.61E-08
1727	569917	4215308	2.50E-07	1.41E-07	3.91E-07	3.81E-08	2.15E-08	5.96E-08	1.72E-08	8.86E-09	2.61E-08
1728	569917.3	4215318	2.50E-07	1.41E-07	3.91E-07	3.81E-08	2.15E-08	5.96E-08	1.72E-08	8.85E-09	2.60E-08
1729	569917.6	4215327	2.56E-07	1.45E-07	4.02E-07	3.92E-08	2.21E-08	6.13E-08	1.77E-08	9.10E-09	2.68E-08
1730	569918	4215337	2.66E-07	1.51E-07	4.17E-07	4.06E-08	2.29E-08	6.36E-08	1.83E-08	9.44E-09	2.78E-08
1731	569918.3	4215347	2.81E-07	1.59E-07	4.40E-07	4.28E-08	2.42E-08	6.70E-08	1.93E-08	9.95E-09	2.93E-08
1732	569918.6	4215356	2.98E-07	1.69E-07	4.67E-07	4.55E-08	2.57E-08	7.12E-08	2.06E-08	1.06E-08	3.11E-08
1733	569918.9	4215366	3.37E-07	1.91E-07	5.28E-07	5.15E-08	2.90E-08	8.05E-08	2.32E-08	1.20E-08	3.52E-08
1734	569919.2	4215376	4.18E-07	2.37E-07	6.55E-07	6.39E-08	3.60E-08	9.99E-08	2.88E-08	1.48E-08	4.37E-08
1735	569903.2	4215192	4.14E-07	2.34E-07	6.48E-07	6.31E-08	3.56E-08	9.88E-08	2.85E-08	1.47E-08	4.32E-08
1736	569903.6	4215202	3.98E-07	2.25E-07	6.23E-07	6.07E-08	3.43E-08	9.50E-08	2.74E-08	1.41E-08	4.15E-08
1737	569903.9	4215212	3.66E-07	2.07E-07	5.73E-07	5.59E-08	3.15E-08	8.74E-08	2.52E-08	1.30E-08	3.82E-08
1738	569904.2	4215221	3.28E-07	1.86E-07	5.14E-07	5.01E-08	2.83E-08	7.84E-08	2.26E-08	1.16E-08	3.42E-08
1739	569904.5	4215231	2.99E-07	1.70E-07	4.69E-07	4.57E-08	2.58E-08	7.15E-08	2.06E-08	1.06E-08	3.13E-08
1740	569904.8	4215241	2.81E-07	1.59E-07	4.40E-07	4.29E-08	2.42E-08	6.71E-08	1.93E-08	9.96E-09	2.93E-08
1741	569905.1	4215250	2.63E-07	1.49E-07	4.12E-07	4.02E-08	2.27E-08	6.29E-08	1.81E-08	9.33E-09	2.75E-08
1742	569905.4	4215260	2.52E-07	1.43E-07	3.94E-07	3.84E-08	2.17E-08	6.01E-08	1.73E-08	8.93E-09	2.63E-08
1743	569905.8	4215270	2.46E-07	1.39E-07	3.85E-07	3.76E-08	2.12E-08	5.88E-08	1.70E-08	8.73E-09	2.57E-08
1744	569906.1	4215279	2.41E-07	1.36E-07	3.77E-07	3.68E-08	2.08E-08	5.75E-08	1.66E-08	8.55E-09	2.51E-08
1745	569906.4	4215289	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
1746	569906.7	4215299	2.33E-07	1.32E-07	3.65E-07	3.55E-08	2.01E-08	5.56E-08	1.60E-08	8.26E-09	2.43E-08
1747	569907	4215308	2.30E-07	1.30E-07	3.60E-07	3.51E-08	1.98E-08	5.49E-08	1.58E-08	8.15E-09	2.40E-08
1748	569907.3	4215318	2.29E-07	1.30E-07	3.59E-07	3.50E-08	1.98E-08	5.48E-08	1.58E-08	8.14E-09	2.39E-08
1749	569907.6	4215328	2.40E-07	1.36E-07	3.77E-07	3.67E-08	2.07E-08	5.74E-08	1.66E-08	8.53E-09	2.51E-08
1750	569908	4215337	2.51E-07	1.42E-07	3.93E-07	3.83E-08	2.16E-08	5.99E-08	1.73E-08	8.90E-09	2.62E-08
1751	569908.3	4215347	2.66E-07	1.50E-07	4.16E-07	4.05E-08	2.29E-08	6.34E-08	1.83E-08	9.42E-09	2.77E-08
1752	569908.6	4215357	2.82E-07	1.60E-07	4.41E-07	4.30E-08	2.43E-08	6.73E-08	1.94E-08	9.99E-09	2.94E-08
1753	569908.9	4215366	3.13E-07	1.77E-07	4.90E-07	4.78E-08	2.70E-08	7.47E-08	2.16E-08	1.11E-08	3.27E-08
1754	569909.2	4215376	3.68E-07	2.08E-07	5.76E-07	5.62E-08	3.17E-08	8.79E-08	2.53E-08	1.30E-08	3.84E-08
1755	569893.2	4215193	3.88E-07	2.20E-07	6.07E-07	5.92E-08	3.34E-08	9.26E-08	2.67E-08	1.37E-08	4.05E-08
1756	569893.6	4215202	3.76E-07	2.13E-07	5.89E-07	5.74E-08	3.24E-08	8.99E-08	2.59E-08	1.33E-08	3.93E-08
1757	569893.9	4215212	3.49E-07	1.97E-07	5.46E-07	5.32E-08	3.00E-08	8.33E-08	2.40E-08	1.24E-08	3.64E-08
1758	569894.2	4215222	3.13E-07	1.78E-07	4.91E-07	4.79E-08	2.70E-08	7.49E-08	2.16E-08	1.11E-08	3.27E-08
1759	569894.5	4215231	2.86E-07	1.62E-07	4.48E-07	4.37E-08	2.46E-08	6.83E-08	1.97E-08	1.01E-08	2.98E-08
1760	569894.8	4215241	2.66E-07	1.51E-07	4.17E-07	4.07E-08	2.29E-08	6.36E-08	1.83E-08	9.44E-09	2.78E-08
1761	569895.1	4215251	2.49E-07	1.41E-07	3.90E-07	3.80E-08	2.15E-08	5.95E-08	1.72E-08	8.84E-09	2.60E-08
1762	569895.4	4215260	2.37E-07	1.34E-07	3.71E-07	3.62E-08	2.04E-08	5.66E-08	1.63E-08	8.41E-09	2.48E-08
1763	569895.8	4215270	2.30E-07	1.30E-07	3.60E-07	3.51E-08	1.98E-08	5.49E-08	1.58E-08	8.15E-09	2.40E-08
1764	569896.1	4215280	2.23E-07	1.27E-07	3.50E-07	3.41E-08	1.93E-08	5.34E-08	1.54E-08	7.93E-09	2.33E-08
1765	569896.4	4215289	2.19E-07	1.24E-07	3.43E-07	3.34E-08	1.88E-08	5.23E-08	1.51E-08	7.76E-09	2.28E-08

1766	569896.7	4215299	2.16E-07	1.23E-07	3.39E-07	3.30E-08	1.86E-08	5.17E-08	1.49E-08	7.67E-09	2.26E-08
1767	569897	4215309	2.14E-07	1.21E-07	3.36E-07	3.27E-08	1.85E-08	5.12E-08	1.48E-08	7.60E-09	2.24E-08
1768	569897.3	4215318	2.14E-07	1.21E-07	3.36E-07	3.27E-08	1.85E-08	5.12E-08	1.48E-08	7.60E-09	2.24E-08
1769	569897.7	4215328	2.21E-07	1.25E-07	3.47E-07	3.38E-08	1.91E-08	5.29E-08	1.53E-08	7.85E-09	2.31E-08
1770	569898	4215338	2.36E-07	1.33E-07	3.69E-07	3.60E-08	2.03E-08	5.63E-08	1.62E-08	8.36E-09	2.46E-08
1771	569898.3	4215347	2.49E-07	1.41E-07	3.90E-07	3.80E-08	2.14E-08	5.94E-08	1.71E-08	8.82E-09	2.60E-08
1772	569898.6	4215357	2.62E-07	1.49E-07	4.11E-07	4.00E-08	2.26E-08	6.26E-08	1.81E-08	9.30E-09	2.74E-08
1773	569898.9	4215367	2.85E-07	1.61E-07	4.46E-07	4.35E-08	2.46E-08	6.81E-08	1.96E-08	1.01E-08	2.97E-08
1774	569883.6	4215203	3.56E-07	2.02E-07	5.58E-07	5.44E-08	3.07E-08	8.51E-08	2.46E-08	1.26E-08	3.72E-08
1775	569883.9	4215212	3.32E-07	1.88E-07	5.21E-07	5.08E-08	2.86E-08	7.94E-08	2.29E-08	1.18E-08	3.47E-08
1776	569884.2	4215222	3.00E-07	1.70E-07	4.70E-07	4.58E-08	2.59E-08	7.17E-08	2.07E-08	1.06E-08	3.13E-08
1777	569884.5	4215232	2.74E-07	1.55E-07	4.29E-07	4.18E-08	2.36E-08	6.54E-08	1.89E-08	9.72E-09	2.86E-08
1778	569884.8	4215241	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.07E-08	1.75E-08	9.02E-09	2.65E-08
1779	569885.1	4215251	2.37E-07	1.34E-07	3.71E-07	3.62E-08	2.04E-08	5.66E-08	1.63E-08	8.41E-09	2.47E-08
1780	569885.5	4215261	2.24E-07	1.27E-07	3.52E-07	3.43E-08	1.93E-08	5.36E-08	1.55E-08	7.96E-09	2.34E-08
1781	569885.8	4215270	2.15E-07	1.22E-07	3.38E-07	3.29E-08	1.86E-08	5.15E-08	1.48E-08	7.64E-09	2.25E-08
1782	569886.1	4215280	2.08E-07	1.18E-07	3.26E-07	3.17E-08	1.79E-08	4.96E-08	1.43E-08	7.37E-09	2.17E-08
1783	569886.4	4215290	2.03E-07	1.15E-07	3.18E-07	3.10E-08	1.75E-08	4.85E-08	1.40E-08	7.20E-09	2.12E-08
1784	569886.7	4215299	2.02E-07	1.14E-07	3.16E-07	3.08E-08	1.74E-08	4.81E-08	1.39E-08	7.15E-09	2.10E-08
1785	569887	4215309	2.00E-07	1.14E-07	3.14E-07	3.06E-08	1.73E-08	4.79E-08	1.38E-08	7.11E-09	2.09E-08
1786	569887.3	4215319	2.01E-07	1.14E-07	3.15E-07	3.07E-08	1.73E-08	4.80E-08	1.39E-08	7.13E-09	2.10E-08
1787	569887.7	4215328	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.94E-08	1.42E-08	7.33E-09	2.16E-08
1788	569888	4215338	2.15E-07	1.22E-07	3.37E-07	3.29E-08	1.86E-08	5.15E-08	1.48E-08	7.64E-09	2.25E-08
1789	569888.3	4215348	2.31E-07	1.31E-07	3.62E-07	3.52E-08	1.99E-08	5.51E-08	1.59E-08	8.19E-09	2.41E-08
1790	569888.6	4215357	2.41E-07	1.37E-07	3.78E-07	3.69E-08	2.08E-08	5.77E-08	1.66E-08	8.57E-09	2.52E-08
1791	569888.9	4215367	2.57E-07	1.46E-07	4.03E-07	3.92E-08	2.21E-08	6.14E-08	1.77E-08	9.12E-09	2.68E-08
1792	569873.6	4215203	3.38E-07	1.91E-07	5.29E-07	5.16E-08	2.91E-08	8.07E-08	2.33E-08	1.20E-08	3.53E-08
1793	569873.9	4215213	3.17E-07	1.80E-07	4.97E-07	4.84E-08	2.73E-08	7.58E-08	2.19E-08	1.13E-08	3.31E-08
1794	569874.2	4215222	2.88E-07	1.63E-07	4.51E-07	4.39E-08	2.48E-08	6.87E-08	1.98E-08	1.02E-08	3.00E-08
1795	569874.5	4215232	2.63E-07	1.49E-07	4.12E-07	4.01E-08	2.26E-08	6.28E-08	1.81E-08	9.32E-09	2.74E-08
1796	569874.8	4215242	2.43E-07	1.38E-07	3.80E-07	3.71E-08	2.09E-08	5.80E-08	1.67E-08	8.62E-09	2.54E-08
1797	569875.1	4215251	2.26E-07	1.28E-07	3.54E-07	3.45E-08	1.95E-08	5.39E-08	1.56E-08	8.01E-09	2.36E-08
1798	569875.5	4215261	2.13E-07	1.20E-07	3.33E-07	3.25E-08	1.83E-08	5.08E-08	1.46E-08	7.54E-09	2.22E-08
1799	569875.8	4215271	2.02E-07	1.15E-07	3.17E-07	3.09E-08	1.74E-08	4.83E-08	1.39E-08	7.18E-09	2.11E-08
1800	569876.1	4215280	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.88E-09	2.02E-08
1801	569876.4	4215290	1.89E-07	1.07E-07	2.96E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.71E-09	1.98E-08
1802	569876.7	4215300	1.89E-07	1.07E-07	2.95E-07	2.88E-08	1.62E-08	4.50E-08	1.30E-08	6.69E-09	1.97E-08
1803	569877	4215309	1.88E-07	1.07E-07	2.95E-07	2.87E-08	1.62E-08	4.49E-08	1.30E-08	6.67E-09	1.96E-08
1804	569877.3	4215319	1.89E-07	1.07E-07	2.96E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.71E-09	1.97E-08
1805	569877.7	4215329	1.93E-07	1.10E-07	3.03E-07	2.95E-08	1.67E-08	4.62E-08	1.33E-08	6.86E-09	2.02E-08
1806	569878	4215338	2.00E-07	1.13E-07	3.14E-07	3.06E-08	1.73E-08	4.78E-08	1.38E-08	7.10E-09	2.09E-08
1807	569878.3	4215348	2.09E-07	1.19E-07	3.28E-07	3.20E-08	1.80E-08	5.00E-08	1.44E-08	7.43E-09	2.19E-08
1808	569878.6	4215358	2.19E-07	1.24E-07	3.43E-07	3.34E-08	1.88E-08	5.22E-08	1.51E-08	7.76E-09	2.28E-08
1809	569878.9	4215367	2.31E-07	1.31E-07	3.61E-07	3.52E-08	1.99E-08	5.51E-08	1.59E-08	8.18E-09	2.41E-08
1810	569863.9	4215213	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.24E-08	2.09E-08	1.07E-08	3.16E-08
1811	569864.2	4215223	2.81E-07	1.59E-07	4.41E-07	4.30E-08	2.42E-08	6.72E-08	1.94E-08	9.98E-09	2.94E-08
1812	569864.5	4215232	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.23E-08	6.19E-08	1.79E-08	9.20E-09	2.71E-08
1813	569864.8	4215242	2.39E-07	1.35E-07	3.74E-07	3.65E-08	2.06E-08	5.71E-08	1.65E-08	8.48E-09	2.50E-08
1814	569865.1	4215252	2.20E-07	1.25E-07	3.45E-07	3.36E-08	1.90E-08	5.26E-08	1.52E-08	7.81E-09	2.30E-08
1815	569865.5	4215261	2.06E-07	1.17E-07	3.23E-07	3.15E-08	1.78E-08	4.93E-08	1.42E-08	7.32E-09	2.15E-08
1816	569865.8	4215271	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.68E-08	1.35E-08	6.95E-09	2.04E-08
1817	569866.1	4215281	1.87E-07	1.06E-07	2.93E-07	2.86E-08	1.61E-08	4.47E-08	1.29E-08	6.64E-09	1.95E-08
1818	569866.4	4215290	1.82E-07	1.03E-07	2.85E-07	2.78E-08	1.57E-08	4.35E-08	1.25E-08	6.45E-09	1.90E-08
1819	569866.7	4215300	1.80E-07	1.02E-07	2.82E-07	2.75E-08	1.55E-08	4.30E-08	1.24E-08	6.39E-09	1.88E-08
1820	569867	4215310	1.79E-07	1.01E-07	2.80E-07	2.73E-08	1.54E-08	4.27E-08	1.23E-08	6.34E-09	1.87E-08
1821	569867.4	4215319	1.79E-07	1.01E-07	2.80E-07	2.73E-08	1.54E-08	4.27E-08	1.23E-08	6.34E-09	1.86E-08
1822	569867.7	4215329	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.43E-09	1.89E-08
1823	569868	4215339	1.86E-07	1.05E-07	2.91E-07	2.84E-08	1.60E-08	4.44E-08	1.28E-08	6.60E-09	1.94E-08
1824	569868.3	4215348	1.92E-07	1.09E-07	3.01E-07	2.94E-08	1.66E-08	4.60E-08	1.33E-08	6.82E-09	2.01E-08
1825	569868.6	4215358	2.00E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.77E-08	1.38E-08	7.08E-09	2.08E-08
1826	569868.9	4215368	2.08E-07	1.18E-07	3.26E-07	3.18E-08	1.79E-08	4.97E-08	1.43E-08	7.39E-09	2.17E-08

1827	569853.9	4215213	2.90E-07	1.64E-07	4.54E-07	4.43E-08	2.50E-08	6.93E-08	2.00E-08	1.03E-08	3.03E-08
1828	569854.2	4215223	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.57E-08	1.90E-08	9.76E-09	2.87E-08
1829	569854.5	4215233	2.56E-07	1.45E-07	4.01E-07	3.91E-08	2.21E-08	6.12E-08	1.76E-08	9.08E-09	2.67E-08
1830	569854.8	4215242	2.36E-07	1.33E-07	3.69E-07	3.60E-08	2.03E-08	5.63E-08	1.62E-08	8.35E-09	2.46E-08
1831	569855.2	4215252	2.16E-07	1.22E-07	3.38E-07	3.30E-08	1.86E-08	5.16E-08	1.49E-08	7.66E-09	2.25E-08
1832	569855.5	4215262	2.02E-07	1.14E-07	3.16E-07	3.08E-08	1.74E-08	4.82E-08	1.39E-08	7.16E-09	2.11E-08
1833	569855.8	4215271	1.91E-07	1.08E-07	3.00E-07	2.92E-08	1.65E-08	4.57E-08	1.32E-08	6.79E-09	2.00E-08
1834	569856.1	4215281	1.83E-07	1.03E-07	2.86E-07	2.79E-08	1.57E-08	4.36E-08	1.26E-08	6.48E-09	1.91E-08
1835	569856.4	4215291	1.77E-07	1.00E-07	2.77E-07	2.70E-08	1.52E-08	4.23E-08	1.22E-08	6.27E-09	1.85E-08
1836	569856.7	4215300	1.74E-07	9.84E-08	2.72E-07	2.65E-08	1.50E-08	4.15E-08	1.20E-08	6.16E-09	1.81E-08
1837	569857	4215310	1.71E-07	9.67E-08	2.67E-07	2.61E-08	1.47E-08	4.08E-08	1.18E-08	6.06E-09	1.78E-08
1838	569857.4	4215320	1.69E-07	9.59E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
1839	569857.7	4215329	1.70E-07	9.65E-08	2.67E-07	2.60E-08	1.47E-08	4.07E-08	1.17E-08	6.04E-09	1.78E-08
1840	569858	4215339	1.73E-07	9.77E-08	2.70E-07	2.63E-08	1.49E-08	4.12E-08	1.19E-08	6.12E-09	1.80E-08
1841	569858.3	4215349	1.76E-07	9.99E-08	2.76E-07	2.69E-08	1.52E-08	4.21E-08	1.21E-08	6.25E-09	1.84E-08
1842	569858.6	4215358	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.44E-09	1.89E-08
1843	569858.9	4215368	1.87E-07	1.06E-07	2.93E-07	2.86E-08	1.61E-08	4.47E-08	1.29E-08	6.64E-09	1.95E-08
1844	569844.2	4215223	2.69E-07	1.52E-07	4.21E-07	4.10E-08	2.32E-08	6.42E-08	1.85E-08	9.53E-09	2.81E-08
1845	569844.5	4215233	2.52E-07	1.43E-07	3.95E-07	3.85E-08	2.17E-08	6.03E-08	1.74E-08	8.95E-09	2.63E-08
1846	569844.8	4215243	2.32E-07	1.31E-07	3.63E-07	3.54E-08	2.00E-08	5.54E-08	1.60E-08	8.23E-09	2.42E-08
1847	569845.2	4215252	2.12E-07	1.20E-07	3.32E-07	3.23E-08	1.83E-08	5.06E-08	1.46E-08	7.51E-09	2.21E-08
1848	569845.5	4215262	1.98E-07	1.12E-07	3.10E-07	3.02E-08	1.70E-08	4.72E-08	1.36E-08	7.01E-09	2.06E-08
1849	569845.8	4215272	1.87E-07	1.06E-07	2.93E-07	2.86E-08	1.61E-08	4.47E-08	1.29E-08	6.64E-09	1.96E-08
1850	569846.1	4215281	1.78E-07	1.01E-07	2.79E-07	2.72E-08	1.54E-08	4.26E-08	1.23E-08	6.33E-09	1.86E-08
1851	569846.4	4215291	1.72E-07	9.75E-08	2.69E-07	2.63E-08	1.48E-08	4.11E-08	1.19E-08	6.10E-09	1.80E-08
1852	569846.7	4215301	1.67E-07	9.48E-08	2.62E-07	2.56E-08	1.44E-08	4.00E-08	1.15E-08	5.94E-09	1.75E-08
1853	569847.1	4215310	1.63E-07	9.24E-08	2.56E-07	2.49E-08	1.41E-08	3.90E-08	1.12E-08	5.79E-09	1.70E-08
1854	569847.4	4215320	1.60E-07	9.09E-08	2.51E-07	2.45E-08	1.38E-08	3.83E-08	1.11E-08	5.69E-09	1.67E-08
1855	569847.7	4215330	1.60E-07	9.07E-08	2.51E-07	2.44E-08	1.38E-08	3.82E-08	1.10E-08	5.68E-09	1.67E-08
1856	569848	4215339	1.60E-07	9.09E-08	2.51E-07	2.45E-08	1.38E-08	3.83E-08	1.11E-08	5.69E-09	1.67E-08
1857	569848.3	4215349	1.62E-07	9.18E-08	2.54E-07	2.47E-08	1.40E-08	3.87E-08	1.12E-08	5.75E-09	1.69E-08
1858	569848.6	4215359	1.65E-07	9.38E-08	2.59E-07	2.53E-08	1.43E-08	3.95E-08	1.14E-08	5.87E-09	1.73E-08
1859	569848.9	4215368	1.69E-07	9.58E-08	2.65E-07	2.58E-08	1.46E-08	4.04E-08	1.17E-08	6.00E-09	1.77E-08
1860	569834.2	4215224	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.08E-08	1.75E-08	9.02E-09	2.65E-08
1861	569834.5	4215233	2.40E-07	1.36E-07	3.76E-07	3.67E-08	2.07E-08	5.74E-08	1.65E-08	8.52E-09	2.51E-08
1862	569834.9	4215243	2.22E-07	1.26E-07	3.48E-07	3.39E-08	1.91E-08	5.31E-08	1.53E-08	7.88E-09	2.32E-08
1863	569835.2	4215253	2.04E-07	1.16E-07	3.19E-07	3.11E-08	1.76E-08	4.87E-08	1.41E-08	7.23E-09	2.13E-08
1864	569835.5	4215262	1.91E-07	1.08E-07	2.99E-07	2.92E-08	1.65E-08	4.56E-08	1.32E-08	6.78E-09	1.99E-08
1865	569835.8	4215272	1.81E-07	1.03E-07	2.84E-07	2.77E-08	1.56E-08	4.33E-08	1.25E-08	6.43E-09	1.89E-08
1866	569836.1	4215282	1.73E-07	9.79E-08	2.71E-07	2.64E-08	1.49E-08	4.13E-08	1.19E-08	6.13E-09	1.80E-08
1867	569836.4	4215291	1.66E-07	9.42E-08	2.60E-07	2.54E-08	1.43E-08	3.97E-08	1.15E-08	5.90E-09	1.73E-08
1868	569836.7	4215301	1.61E-07	9.12E-08	2.52E-07	2.46E-08	1.39E-08	3.84E-08	1.11E-08	5.71E-09	1.68E-08
1869	569837.1	4215311	1.56E-07	8.84E-08	2.44E-07	2.38E-08	1.34E-08	3.73E-08	1.08E-08	5.53E-09	1.63E-08
1870	569837.4	4215320	1.53E-07	8.65E-08	2.39E-07	2.33E-08	1.32E-08	3.65E-08	1.05E-08	5.42E-09	1.59E-08
1871	569837.7	4215330	1.52E-07	8.59E-08	2.38E-07	2.32E-08	1.31E-08	3.62E-08	1.04E-08	5.38E-09	1.58E-08
1872	569838	4215340	1.51E-07	8.54E-08	2.36E-07	2.30E-08	1.30E-08	3.60E-08	1.04E-08	5.35E-09	1.57E-08
1873	569838.3	4215349	1.51E-07	8.55E-08	2.37E-07	2.31E-08	1.30E-08	3.61E-08	1.04E-08	5.36E-09	1.58E-08
1874	569838.6	4215359	1.53E-07	8.66E-08	2.39E-07	2.33E-08	1.32E-08	3.65E-08	1.05E-08	5.42E-09	1.60E-08
1875	569838.9	4215369	1.54E-07	8.75E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.06E-08	5.48E-09	1.61E-08
1876	569824.5	4215234	2.28E-07	1.29E-07	3.58E-07	3.49E-08	1.97E-08	5.45E-08	1.57E-08	8.10E-09	2.38E-08
1877	569824.9	4215243	2.12E-07	1.20E-07	3.32E-07	3.24E-08	1.83E-08	5.07E-08	1.46E-08	7.53E-09	2.21E-08
1878	569825.2	4215253	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.68E-08	1.35E-08	6.95E-09	2.04E-08
1879	569825.5	4215263	1.84E-07	1.04E-07	2.88E-07	2.81E-08	1.59E-08	4.40E-08	1.27E-08	6.53E-09	1.92E-08
1880	569825.8	4215272	1.75E-07	9.91E-08	2.74E-07	2.67E-08	1.51E-08	4.18E-08	1.20E-08	6.20E-09	1.83E-08
1881	569826.1	4215282	1.67E-07	9.45E-08	2.61E-07	2.55E-08	1.44E-08	3.98E-08	1.15E-08	5.92E-09	1.74E-08
1882	569826.4	4215292	1.60E-07	9.08E-08	2.51E-07	2.45E-08	1.38E-08	3.83E-08	1.10E-08	5.68E-09	1.67E-08
1883	569826.7	4215301	1.55E-07	8.76E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.07E-08	5.48E-09	1.61E-08
1884	569827.1	4215311	1.49E-07	8.46E-08	2.34E-07	2.28E-08	1.29E-08	3.57E-08	1.03E-08	5.30E-09	1.56E-08
1885	569827.4	4215321	1.46E-07	8.27E-08	2.29E-07	2.23E-08	1.26E-08	3.49E-08	1.01E-08	5.18E-09	1.52E-08
1886	569827.7	4215330	1.44E-07	8.18E-08	2.26E-07	2.20E-08	1.24E-08	3.45E-08	9.95E-09	5.12E-09	1.51E-08
1887	569828	4215340	1.43E-07	8.10E-08	2.24E-07	2.18E-08	1.23E-08	3.41E-08	9.85E-09	5.07E-09	1.49E-08

1888	569828.3	4215350	1.42E-07	8.06E-08	2.23E-07	2.17E-08	1.23E-08	3.40E-08	9.80E-09	5.04E-09	1.48E-08
1889	569828.6	4215359	1.43E-07	8.08E-08	2.23E-07	2.18E-08	1.23E-08	3.41E-08	9.83E-09	5.06E-09	1.49E-08
1890	569829	4215369	1.43E-07	8.08E-08	2.24E-07	2.18E-08	1.23E-08	3.41E-08	9.83E-09	5.06E-09	1.49E-08
1891	569814.9	4215244	2.03E-07	1.15E-07	3.18E-07	3.10E-08	1.75E-08	4.85E-08	1.40E-08	7.20E-09	2.12E-08
1892	569815.2	4215253	1.88E-07	1.07E-07	2.95E-07	2.88E-08	1.62E-08	4.50E-08	1.30E-08	6.68E-09	1.97E-08
1893	569815.5	4215263	1.78E-07	1.01E-07	2.78E-07	2.71E-08	1.53E-08	4.24E-08	1.22E-08	6.30E-09	1.85E-08
1894	569815.8	4215273	1.69E-07	9.56E-08	2.64E-07	2.58E-08	1.45E-08	4.03E-08	1.16E-08	5.99E-09	1.76E-08
1895	569816.1	4215282	1.61E-07	9.13E-08	2.52E-07	2.46E-08	1.39E-08	3.85E-08	1.11E-08	5.71E-09	1.68E-08
1896	569816.4	4215292	1.54E-07	8.75E-08	2.42E-07	2.36E-08	1.33E-08	3.69E-08	1.06E-08	5.48E-09	1.61E-08
1897	569816.8	4215302	1.48E-07	8.41E-08	2.33E-07	2.27E-08	1.28E-08	3.55E-08	1.02E-08	5.27E-09	1.55E-08
1898	569817.1	4215311	1.43E-07	8.10E-08	2.24E-07	2.18E-08	1.23E-08	3.41E-08	9.85E-09	5.07E-09	1.49E-08
1899	569817.4	4215321	1.39E-07	7.90E-08	2.18E-07	2.13E-08	1.20E-08	3.33E-08	9.61E-09	4.94E-09	1.46E-08
1900	569817.7	4215331	1.37E-07	7.79E-08	2.15E-07	2.10E-08	1.18E-08	3.28E-08	9.47E-09	4.88E-09	1.44E-08
1901	569818	4215340	1.36E-07	7.68E-08	2.12E-07	2.07E-08	1.17E-08	3.24E-08	9.34E-09	4.81E-09	1.42E-08
1902	569818.3	4215350	1.34E-07	7.60E-08	2.10E-07	2.05E-08	1.16E-08	3.20E-08	9.24E-09	4.76E-09	1.40E-08
1903	569818.6	4215360	1.33E-07	7.56E-08	2.09E-07	2.04E-08	1.15E-08	3.19E-08	9.20E-09	4.73E-09	1.39E-08
1904	569819	4215369	1.32E-07	7.50E-08	2.07E-07	2.02E-08	1.14E-08	3.16E-08	9.12E-09	4.69E-09	1.38E-08
1905	569804.9	4215244	1.91E-07	1.08E-07	3.00E-07	2.92E-08	1.65E-08	4.57E-08	1.32E-08	6.78E-09	2.00E-08
1906	569805.2	4215254	1.77E-07	1.01E-07	2.78E-07	2.71E-08	1.53E-08	4.24E-08	1.22E-08	6.29E-09	1.85E-08
1907	569805.5	4215263	1.68E-07	9.49E-08	2.63E-07	2.56E-08	1.44E-08	4.00E-08	1.15E-08	5.94E-09	1.75E-08
1908	569805.8	4215273	1.60E-07	9.04E-08	2.50E-07	2.44E-08	1.38E-08	3.81E-08	1.10E-08	5.66E-09	1.67E-08
1909	569806.1	4215283	1.53E-07	8.64E-08	2.39E-07	2.33E-08	1.31E-08	3.64E-08	1.05E-08	5.41E-09	1.59E-08
1910	569806.4	4215292	1.47E-07	8.31E-08	2.30E-07	2.24E-08	1.26E-08	3.50E-08	1.01E-08	5.20E-09	1.53E-08
1911	569806.8	4215302	1.41E-07	8.00E-08	2.21E-07	2.16E-08	1.22E-08	3.37E-08	9.74E-09	5.01E-09	1.47E-08
1912	569807.1	4215312	1.36E-07	7.72E-08	2.13E-07	2.08E-08	1.17E-08	3.25E-08	9.39E-09	4.83E-09	1.42E-08
1913	569807.4	4215321	1.33E-07	7.53E-08	2.08E-07	2.03E-08	1.14E-08	3.17E-08	9.16E-09	4.71E-09	1.39E-08
1914	569807.7	4215331	1.31E-07	7.41E-08	2.05E-07	2.00E-08	1.13E-08	3.12E-08	9.01E-09	4.64E-09	1.37E-08
1915	569808	4215341	1.29E-07	7.29E-08	2.01E-07	1.96E-08	1.11E-08	3.07E-08	8.86E-09	4.56E-09	1.34E-08
1916	569808.3	4215350	1.27E-07	7.19E-08	1.99E-07	1.94E-08	1.09E-08	3.03E-08	8.74E-09	4.50E-09	1.32E-08
1917	569808.6	4215360	1.26E-07	7.11E-08	1.97E-07	1.92E-08	1.08E-08	3.00E-08	8.65E-09	4.45E-09	1.31E-08
1918	569809	4215370	1.24E-07	7.02E-08	1.94E-07	1.89E-08	1.07E-08	2.96E-08	8.54E-09	4.39E-09	1.29E-08
1919	569795.2	4215254	1.67E-07	9.45E-08	2.61E-07	2.55E-08	1.44E-08	3.98E-08	1.15E-08	5.92E-09	1.74E-08
1920	569795.5	4215264	1.58E-07	8.93E-08	2.47E-07	2.41E-08	1.36E-08	3.77E-08	1.09E-08	5.59E-09	1.65E-08
1921	569795.8	4215273	1.50E-07	8.52E-08	2.35E-07	2.30E-08	1.30E-08	3.59E-08	1.04E-08	5.33E-09	1.57E-08
1922	569796.1	4215283	1.44E-07	8.15E-08	2.25E-07	2.20E-08	1.24E-08	3.44E-08	9.92E-09	5.10E-09	1.50E-08
1923	569796.4	4215293	1.39E-07	7.86E-08	2.17E-07	2.12E-08	1.19E-08	3.31E-08	9.56E-09	4.92E-09	1.45E-08
1924	569796.8	4215302	1.34E-07	7.59E-08	2.10E-07	2.05E-08	1.16E-08	3.20E-08	9.24E-09	4.76E-09	1.40E-08
1925	569797.1	4215312	1.30E-07	7.34E-08	2.03E-07	1.98E-08	1.12E-08	3.10E-08	8.93E-09	4.60E-09	1.35E-08
1926	569797.4	4215322	1.27E-07	7.17E-08	1.98E-07	1.93E-08	1.09E-08	3.02E-08	8.72E-09	4.49E-09	1.32E-08
1927	569797.7	4215331	1.24E-07	7.05E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.58E-09	4.41E-09	1.30E-08
1928	569798	4215341	1.22E-07	6.92E-08	1.91E-07	1.86E-08	1.05E-08	2.92E-08	8.42E-09	4.33E-09	1.27E-08
1929	569798.3	4215351	1.20E-07	6.81E-08	1.88E-07	1.84E-08	1.04E-08	2.87E-08	8.29E-09	4.26E-09	1.25E-08
1930	569798.7	4215360	1.19E-07	6.73E-08	1.86E-07	1.81E-08	1.02E-08	2.84E-08	8.19E-09	4.21E-09	1.24E-08
1931	569785.2	4215254	1.57E-07	8.90E-08	2.46E-07	2.40E-08	1.35E-08	3.75E-08	1.08E-08	5.57E-09	1.64E-08
1932	569785.5	4215264	1.49E-07	8.42E-08	2.33E-07	2.27E-08	1.28E-08	3.55E-08	1.02E-08	5.27E-09	1.55E-08
1933	569785.8	4215274	1.42E-07	8.04E-08	2.22E-07	2.17E-08	1.22E-08	3.39E-08	9.78E-09	5.03E-09	1.48E-08
1934	569786.1	4215283	1.36E-07	7.70E-08	2.13E-07	2.08E-08	1.17E-08	3.25E-08	9.37E-09	4.82E-09	1.42E-08
1935	569786.5	4215293	1.31E-07	7.44E-08	2.06E-07	2.01E-08	1.13E-08	3.14E-08	9.05E-09	4.66E-09	1.37E-08
1936	569786.8	4215303	1.27E-07	7.22E-08	2.00E-07	1.95E-08	1.10E-08	3.04E-08	8.78E-09	4.52E-09	1.33E-08
1937	569787.1	4215312	1.23E-07	6.99E-08	1.93E-07	1.88E-08	1.06E-08	2.95E-08	8.51E-09	4.38E-09	1.29E-08
1938	569787.4	4215322	1.21E-07	6.84E-08	1.89E-07	1.84E-08	1.04E-08	2.88E-08	8.32E-09	4.28E-09	1.26E-08
1939	569787.7	4215332	1.19E-07	6.71E-08	1.86E-07	1.81E-08	1.02E-08	2.83E-08	8.17E-09	4.20E-09	1.24E-08
1940	569788	4215341	1.16E-07	6.58E-08	1.82E-07	1.77E-08	1.00E-08	2.77E-08	8.00E-09	4.12E-09	1.21E-08
1941	569788.3	4215351	1.14E-07	6.47E-08	1.79E-07	1.74E-08	9.84E-09	2.73E-08	7.87E-09	4.05E-09	1.19E-08
1942	569788.7	4215361	1.13E-07	6.38E-08	1.76E-07	1.72E-08	9.70E-09	2.69E-08	7.76E-09	3.99E-09	1.18E-08
1943	569775.5	4215264	1.41E-07	8.00E-08	2.21E-07	2.16E-08	1.22E-08	3.37E-08	9.73E-09	5.01E-09	1.47E-08
1944	569775.8	4215274	1.35E-07	7.63E-08	2.11E-07	2.06E-08	1.16E-08	3.22E-08	9.29E-09	4.78E-09	1.41E-08
1945	569776.1	4215284	1.29E-07	7.31E-08	2.02E-07	1.97E-08	1.11E-08	3.08E-08	8.90E-09	4.58E-09	1.35E-08
1946	569776.5	4215293	1.25E-07	7.07E-08	1.96E-07	1.91E-08	1.08E-08	2.98E-08	8.60E-09	4.43E-09	1.30E-08
1947	569776.8	4215303	1.21E-07	6.85E-08	1.90E-07	1.85E-08	1.04E-08	2.89E-08	8.34E-09	4.29E-09	1.26E-08
1948	569777.1	4215313	1.17E-07	6.64E-08	1.84E-07	1.79E-08	1.01E-08	2.80E-08	8.08E-09	4.16E-09	1.22E-08

1949	569777.4	4215322	1.15E-07	6.49E-08	1.80E-07	1.75E-08	9.87E-09	2.74E-08	7.90E-09	4.07E-09	1.20E-08
1950	569777.7	4215332	1.12E-07	6.37E-08	1.76E-07	1.72E-08	9.69E-09	2.69E-08	7.75E-09	3.99E-09	1.17E-08
1951	569778	4215342	1.10E-07	6.23E-08	1.72E-07	1.68E-08	9.48E-09	2.63E-08	7.58E-09	3.90E-09	1.15E-08
1952	569778.3	4215351	1.08E-07	6.12E-08	1.69E-07	1.65E-08	9.31E-09	2.58E-08	7.45E-09	3.83E-09	1.13E-08
1953	569778.7	4215361	1.07E-07	6.04E-08	1.67E-07	1.63E-08	9.19E-09	2.55E-08	7.35E-09	3.78E-09	1.11E-08
1954	569765.5	4215265	1.34E-07	7.61E-08	2.11E-07	2.05E-08	1.16E-08	3.21E-08	9.26E-09	4.77E-09	1.40E-08
1955	569765.8	4215274	1.28E-07	7.27E-08	2.01E-07	1.96E-08	1.11E-08	3.06E-08	8.84E-09	4.55E-09	1.34E-08
1956	569766.1	4215284	1.23E-07	6.96E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.47E-09	4.36E-09	1.28E-08
1957	569766.5	4215294	1.19E-07	6.73E-08	1.86E-07	1.81E-08	1.02E-08	2.84E-08	8.18E-09	4.21E-09	1.24E-08
1958	569766.8	4215303	1.15E-07	6.51E-08	1.80E-07	1.75E-08	9.90E-09	2.75E-08	7.92E-09	4.08E-09	1.20E-08
1959	569767.1	4215313	1.11E-07	6.30E-08	1.74E-07	1.70E-08	9.59E-09	2.66E-08	7.67E-09	3.95E-09	1.16E-08
1960	569767.4	4215323	1.09E-07	6.16E-08	1.70E-07	1.66E-08	9.37E-09	2.60E-08	7.49E-09	3.86E-09	1.14E-08
1961	569767.7	4215332	1.07E-07	6.04E-08	1.67E-07	1.63E-08	9.18E-09	2.55E-08	7.34E-09	3.78E-09	1.11E-08
1962	569768	4215342	1.04E-07	5.90E-08	1.63E-07	1.59E-08	8.97E-09	2.49E-08	7.18E-09	3.69E-09	1.09E-08
1963	569768.4	4215352	1.02E-07	5.79E-08	1.60E-07	1.56E-08	8.81E-09	2.44E-08	7.05E-09	3.63E-09	1.07E-08
1964	569768.7	4215361	1.01E-07	5.71E-08	1.58E-07	1.54E-08	8.69E-09	2.41E-08	6.95E-09	3.58E-09	1.05E-08
1965	569755.8	4215275	1.22E-07	6.92E-08	1.91E-07	1.87E-08	1.05E-08	2.92E-08	8.42E-09	4.34E-09	1.28E-08
1966	569756.2	4215284	1.17E-07	6.64E-08	1.84E-07	1.79E-08	1.01E-08	2.80E-08	8.08E-09	4.16E-09	1.22E-08
1967	569756.5	4215294	1.13E-07	6.41E-08	1.77E-07	1.73E-08	9.74E-09	2.70E-08	7.79E-09	4.01E-09	1.18E-08
1968	569756.8	4215304	1.09E-07	6.20E-08	1.71E-07	1.67E-08	9.42E-09	2.61E-08	7.54E-09	3.88E-09	1.14E-08
1969	569757.1	4215313	1.06E-07	6.00E-08	1.66E-07	1.62E-08	9.12E-09	2.53E-08	7.29E-09	3.75E-09	1.10E-08
1970	569757.4	4215323	1.03E-07	5.86E-08	1.62E-07	1.58E-08	8.92E-09	2.47E-08	7.13E-09	3.67E-09	1.08E-08
1971	569757.7	4215333	1.01E-07	5.74E-08	1.59E-07	1.55E-08	8.73E-09	2.42E-08	6.98E-09	3.59E-09	1.06E-08
1972	569758	4215342	9.89E-08	5.60E-08	1.55E-07	1.51E-08	8.52E-09	2.36E-08	6.81E-09	3.51E-09	1.03E-08
1973	569758.4	4215352	9.70E-08	5.50E-08	1.52E-07	1.48E-08	8.36E-09	2.32E-08	6.69E-09	3.44E-09	1.01E-08
1974	569758.7	4215362	9.56E-08	5.42E-08	1.50E-07	1.46E-08	8.24E-09	2.28E-08	6.59E-09	3.39E-09	9.98E-09
1975	569745.8	4215275	1.17E-07	6.60E-08	1.83E-07	1.78E-08	1.00E-08	2.78E-08	8.03E-09	4.14E-09	1.22E-08
1976	569746.2	4215285	1.12E-07	6.33E-08	1.75E-07	1.71E-08	9.63E-09	2.67E-08	7.70E-09	3.97E-09	1.17E-08
1977	569746.5	4215294	1.08E-07	6.12E-08	1.69E-07	1.65E-08	9.31E-09	2.58E-08	7.45E-09	3.83E-09	1.13E-08
1978	569746.8	4215304	1.05E-07	5.93E-08	1.64E-07	1.60E-08	9.02E-09	2.50E-08	7.21E-09	3.71E-09	1.09E-08
1979	569747.1	4215314	1.01E-07	5.74E-08	1.59E-07	1.55E-08	8.73E-09	2.42E-08	6.99E-09	3.60E-09	1.06E-08
1980	569747.4	4215323	9.91E-08	5.61E-08	1.55E-07	1.51E-08	8.54E-09	2.37E-08	6.83E-09	3.51E-09	1.03E-08
1981	569747.7	4215333	9.69E-08	5.49E-08	1.52E-07	1.48E-08	8.35E-09	2.31E-08	6.68E-09	3.44E-09	1.01E-08
1982	569748	4215343	9.45E-08	5.35E-08	1.48E-07	1.44E-08	8.14E-09	2.26E-08	6.51E-09	3.35E-09	9.86E-09
1983	569748.4	4215352	9.26E-08	5.25E-08	1.45E-07	1.41E-08	7.98E-09	2.21E-08	6.38E-09	3.28E-09	9.66E-09
1984	569735.2	4215256	1.23E-07	6.96E-08	1.92E-07	1.88E-08	1.06E-08	2.93E-08	8.46E-09	4.36E-09	1.28E-08
1985	569735.5	4215266	1.17E-07	6.60E-08	1.83E-07	1.78E-08	1.00E-08	2.78E-08	8.03E-09	4.13E-09	1.22E-08
1986	569735.8	4215275	1.11E-07	6.30E-08	1.74E-07	1.70E-08	9.59E-09	2.66E-08	7.67E-09	3.95E-09	1.16E-08
1987	569736.2	4215285	1.07E-07	6.05E-08	1.67E-07	1.63E-08	9.20E-09	2.55E-08	7.36E-09	3.79E-09	1.11E-08
1988	569736.5	4215295	1.03E-07	5.86E-08	1.62E-07	1.58E-08	8.91E-09	2.47E-08	7.13E-09	3.67E-09	1.08E-08
1989	569736.8	4215304	1.00E-07	5.69E-08	1.57E-07	1.53E-08	8.65E-09	2.40E-08	6.92E-09	3.56E-09	1.05E-08
1990	569737.1	4215314	9.74E-08	5.52E-08	1.53E-07	1.49E-08	8.39E-09	2.33E-08	6.71E-09	3.45E-09	1.02E-08
1991	569737.4	4215324	9.52E-08	5.39E-08	1.49E-07	1.45E-08	8.20E-09	2.27E-08	6.56E-09	3.38E-09	9.93E-09
1992	569737.7	4215333	9.30E-08	5.27E-08	1.46E-07	1.42E-08	8.01E-09	2.22E-08	6.41E-09	3.30E-09	9.70E-09
1993	569738.1	4215343	9.05E-08	5.13E-08	1.42E-07	1.38E-08	7.80E-09	2.16E-08	6.24E-09	3.21E-09	9.45E-09
1994	569738.4	4215353	8.87E-08	5.02E-08	1.39E-07	1.35E-08	7.64E-09	2.12E-08	6.11E-09	3.15E-09	9.26E-09
1995	569724.6	4215237	1.33E-07	7.52E-08	2.08E-07	2.03E-08	1.14E-08	3.17E-08	9.15E-09	4.71E-09	1.39E-08
1996	569724.9	4215247	1.24E-07	7.05E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.58E-09	4.42E-09	1.30E-08
1997	569725.2	4215256	1.17E-07	6.65E-08	1.84E-07	1.79E-08	1.01E-08	2.80E-08	8.08E-09	4.16E-09	1.22E-08
1998	569725.5	4215266	1.11E-07	6.31E-08	1.74E-07	1.70E-08	9.60E-09	2.66E-08	7.67E-09	3.95E-09	1.16E-08
1999	569725.9	4215276	1.06E-07	6.02E-08	1.67E-07	1.62E-08	9.16E-09	2.54E-08	7.33E-09	3.77E-09	1.11E-08
2000	569726.2	4215285	1.02E-07	5.78E-08	1.60E-07	1.56E-08	8.79E-09	2.44E-08	7.03E-09	3.62E-09	1.07E-08
2001	569726.5	4215295	9.91E-08	5.62E-08	1.55E-07	1.51E-08	8.54E-09	2.37E-08	6.83E-09	3.52E-09	1.03E-08
2002	569726.8	4215305	9.64E-08	5.46E-08	1.51E-07	1.47E-08	8.30E-09	2.30E-08	6.64E-09	3.42E-09	1.01E-08
2003	569727.1	4215314	9.36E-08	5.30E-08	1.47E-07	1.43E-08	8.06E-09	2.24E-08	6.45E-09	3.32E-09	9.77E-09
2004	569727.4	4215324	9.14E-08	5.18E-08	1.43E-07	1.40E-08	7.88E-09	2.18E-08	6.30E-09	3.24E-09	9.55E-09
2005	569727.7	4215334	8.93E-08	5.06E-08	1.40E-07	1.36E-08	7.69E-09	2.13E-08	6.15E-09	3.17E-09	9.32E-09
2006	569728.1	4215343	8.68E-08	4.92E-08	1.36E-07	1.33E-08	7.48E-09	2.07E-08	5.98E-09	3.08E-09	9.06E-09
2007	569728.4	4215353	8.51E-08	4.82E-08	1.33E-07	1.30E-08	7.33E-09	2.03E-08	5.86E-09	3.02E-09	8.88E-09
2008	569728.7	4215363	8.38E-08	4.74E-08	1.31E-07	1.28E-08	7.22E-09	2.00E-08	5.77E-09	2.97E-09	8.74E-09
2009	569714	4215218	1.39E-07	7.88E-08	2.18E-07	2.12E-08	1.20E-08	3.32E-08	9.59E-09	4.93E-09	1.45E-08

2010	569714.3	4215228	1.37E-07	7.78E-08	2.15E-07	2.10E-08	1.18E-08	3.28E-08	9.46E-09	4.87E-09	1.43E-08
2011	569714.6	4215237	1.29E-07	7.29E-08	2.02E-07	1.97E-08	1.11E-08	3.07E-08	8.87E-09	4.56E-09	1.34E-08
2012	569714.9	4215247	1.21E-07	6.85E-08	1.89E-07	1.85E-08	1.04E-08	2.89E-08	8.33E-09	4.29E-09	1.26E-08
2013	569715.2	4215257	1.14E-07	6.46E-08	1.79E-07	1.74E-08	9.82E-09	2.72E-08	7.86E-09	4.04E-09	1.19E-08
2014	569715.5	4215266	1.08E-07	6.12E-08	1.69E-07	1.65E-08	9.31E-09	2.58E-08	7.45E-09	3.83E-09	1.13E-08
2015	569715.9	4215276	1.03E-07	5.84E-08	1.61E-07	1.57E-08	8.88E-09	2.46E-08	7.10E-09	3.65E-09	1.08E-08
2016	569716.2	4215286	9.87E-08	5.59E-08	1.55E-07	1.51E-08	8.51E-09	2.36E-08	6.80E-09	3.50E-09	1.03E-08
2017	569716.5	4215295	9.58E-08	5.43E-08	1.50E-07	1.46E-08	8.26E-09	2.29E-08	6.60E-09	3.40E-09	1.00E-08
2018	569716.8	4215305	9.30E-08	5.27E-08	1.46E-07	1.42E-08	8.02E-09	2.22E-08	6.41E-09	3.30E-09	9.71E-09
2019	569717.1	4215315	9.03E-08	5.12E-08	1.41E-07	1.38E-08	7.78E-09	2.16E-08	6.22E-09	3.20E-09	9.43E-09
2020	569717.4	4215324	8.82E-08	4.99E-08	1.38E-07	1.35E-08	7.60E-09	2.11E-08	6.08E-09	3.13E-09	9.20E-09
2021	569717.7	4215334	8.59E-08	4.87E-08	1.35E-07	1.31E-08	7.40E-09	2.05E-08	5.92E-09	3.05E-09	8.97E-09
2022	569718.1	4215344	8.35E-08	4.73E-08	1.31E-07	1.27E-08	7.19E-09	1.99E-08	5.75E-09	2.96E-09	8.71E-09
2023	569718.4	4215353	8.18E-08	4.63E-08	1.28E-07	1.25E-08	7.04E-09	1.95E-08	5.63E-09	2.90E-09	8.53E-09
2024	569718.7	4215363	8.04E-08	4.56E-08	1.26E-07	1.23E-08	6.93E-09	1.92E-08	5.54E-09	2.85E-09	8.39E-09
2025	569719	4215373	7.91E-08	4.48E-08	1.24E-07	1.21E-08	6.82E-09	1.89E-08	5.45E-09	2.81E-09	8.26E-09
2026	569719.3	4215382	7.86E-08	4.45E-08	1.23E-07	1.20E-08	6.77E-09	1.88E-08	5.42E-09	2.79E-09	8.20E-09
2027	569709.1	4215385	7.52E-08	4.26E-08	1.18E-07	1.15E-08	6.48E-09	1.80E-08	5.18E-09	2.67E-09	7.85E-09
2028	569699.1	4215385	7.21E-08	4.09E-08	1.13E-07	1.10E-08	6.21E-09	1.72E-08	4.97E-09	2.56E-09	7.53E-09
2029	569702.4	4215377	7.34E-08	4.16E-08	1.15E-07	1.12E-08	6.32E-09	1.75E-08	5.06E-09	2.60E-09	7.66E-09
2030	569705.6	4215368	7.56E-08	4.28E-08	1.18E-07	1.15E-08	6.52E-09	1.81E-08	5.21E-09	2.68E-09	7.89E-09
2031	569708.9	4215360	7.79E-08	4.41E-08	1.22E-07	1.19E-08	6.71E-09	1.86E-08	5.37E-09	2.76E-09	8.13E-09
2032	569689.3	4215385	6.94E-08	3.93E-08	1.09E-07	1.06E-08	5.98E-09	1.66E-08	4.78E-09	2.46E-09	7.25E-09
2033	569692.7	4215376	7.07E-08	4.01E-08	1.11E-07	1.08E-08	6.10E-09	1.69E-08	4.87E-09	2.51E-09	7.38E-09
2034	569696.1	4215367	7.31E-08	4.14E-08	1.14E-07	1.12E-08	6.29E-09	1.74E-08	5.03E-09	2.59E-09	7.63E-09
2035	569699.6	4215358	7.54E-08	4.27E-08	1.18E-07	1.15E-08	6.50E-09	1.80E-08	5.20E-09	2.68E-09	7.87E-09
2036	569703	4215349	7.78E-08	4.41E-08	1.22E-07	1.19E-08	6.70E-09	1.86E-08	5.36E-09	2.76E-09	8.12E-09
2037	569706.5	4215340	8.09E-08	4.58E-08	1.27E-07	1.23E-08	6.97E-09	1.93E-08	5.57E-09	2.87E-09	8.44E-09
2038	569679.2	4215386	6.70E-08	3.79E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.61E-09	2.37E-09	6.99E-09
2039	569682.6	4215377	6.85E-08	3.88E-08	1.07E-07	1.05E-08	5.90E-09	1.64E-08	4.72E-09	2.43E-09	7.15E-09
2040	569686	4215368	7.06E-08	4.00E-08	1.11E-07	1.08E-08	6.09E-09	1.69E-08	4.87E-09	2.51E-09	7.37E-09
2041	569689.4	4215359	7.28E-08	4.12E-08	1.14E-07	1.11E-08	6.27E-09	1.74E-08	5.02E-09	2.58E-09	7.60E-09
2042	569692.8	4215350	7.49E-08	4.24E-08	1.17E-07	1.14E-08	6.46E-09	1.79E-08	5.16E-09	2.66E-09	7.82E-09
2043	569696.2	4215341	7.77E-08	4.40E-08	1.22E-07	1.19E-08	6.70E-09	1.86E-08	5.36E-09	2.76E-09	8.11E-09
2044	569699.6	4215332	8.10E-08	4.59E-08	1.27E-07	1.24E-08	6.98E-09	1.93E-08	5.58E-09	2.87E-09	8.45E-09
2045	569703	4215324	8.41E-08	4.77E-08	1.32E-07	1.28E-08	7.25E-09	2.01E-08	5.80E-09	2.98E-09	8.78E-09
2046	569706.4	4215315	8.72E-08	4.94E-08	1.37E-07	1.33E-08	7.52E-09	2.08E-08	6.01E-09	3.09E-09	9.10E-09
2047	569669.2	4215386	6.46E-08	3.66E-08	1.01E-07	9.86E-09	5.57E-09	1.54E-08	4.45E-09	2.29E-09	6.74E-09
2048	569672.6	4215377	6.63E-08	3.76E-08	1.04E-07	1.01E-08	5.71E-09	1.58E-08	4.57E-09	2.35E-09	6.92E-09
2049	569675.9	4215368	6.85E-08	3.88E-08	1.07E-07	1.05E-08	5.90E-09	1.64E-08	4.72E-09	2.43E-09	7.15E-09
2050	569679.3	4215360	7.07E-08	4.00E-08	1.11E-07	1.08E-08	6.09E-09	1.69E-08	4.87E-09	2.51E-09	7.37E-09
2051	569682.7	4215351	7.28E-08	4.12E-08	1.14E-07	1.11E-08	6.27E-09	1.74E-08	5.01E-09	2.58E-09	7.59E-09
2052	569686.1	4215342	7.52E-08	4.26E-08	1.18E-07	1.15E-08	6.48E-09	1.80E-08	5.18E-09	2.67E-09	7.85E-09
2053	569689.4	4215333	7.82E-08	4.43E-08	1.22E-07	1.19E-08	6.73E-09	1.87E-08	5.39E-09	2.77E-09	8.16E-09
2054	569692.8	4215325	8.11E-08	4.59E-08	1.27E-07	1.24E-08	6.99E-09	1.94E-08	5.59E-09	2.88E-09	8.46E-09
2055	569696.2	4215316	8.40E-08	4.76E-08	1.32E-07	1.28E-08	7.24E-09	2.01E-08	5.79E-09	2.98E-09	8.77E-09
2056	569699.5	4215307	8.76E-08	4.96E-08	1.37E-07	1.34E-08	7.55E-09	2.09E-08	6.03E-09	3.11E-09	9.14E-09
2057	569702.9	4215298	9.11E-08	5.16E-08	1.43E-07	1.39E-08	7.85E-09	2.18E-08	6.28E-09	3.23E-09	9.51E-09
2058	569706.3	4215290	9.48E-08	5.37E-08	1.48E-07	1.45E-08	8.17E-09	2.26E-08	6.53E-09	3.36E-09	9.89E-09
2059	569659.2	4215386	6.22E-08	3.52E-08	9.75E-08	9.50E-09	5.36E-09	1.49E-08	4.29E-09	2.21E-09	6.49E-09
2060	569662.5	4215378	6.42E-08	3.63E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
2061	569665.9	4215369	6.64E-08	3.76E-08	1.04E-07	1.01E-08	5.72E-09	1.59E-08	4.58E-09	2.36E-09	6.93E-09
2062	569669.2	4215360	6.86E-08	3.89E-08	1.07E-07	1.05E-08	5.91E-09	1.64E-08	4.73E-09	2.43E-09	7.16E-09
2063	569672.5	4215352	7.07E-08	4.01E-08	1.11E-07	1.08E-08	6.09E-09	1.69E-08	4.87E-09	2.51E-09	7.38E-09
2064	569675.9	4215343	7.30E-08	4.14E-08	1.14E-07	1.12E-08	6.29E-09	1.74E-08	5.03E-09	2.59E-09	7.62E-09
2065	569679.2	4215334	7.58E-08	4.29E-08	1.19E-07	1.16E-08	6.53E-09	1.81E-08	5.22E-09	2.69E-09	7.91E-09
2066	569682.6	4215326	7.86E-08	4.45E-08	1.23E-07	1.20E-08	6.77E-09	1.88E-08	5.41E-09	2.79E-09	8.20E-09
2067	569685.9	4215317	8.13E-08	4.61E-08	1.27E-07	1.24E-08	7.00E-09	1.94E-08	5.60E-09	2.88E-09	8.49E-09
2068	569689.2	4215308	8.47E-08	4.80E-08	1.33E-07	1.29E-08	7.30E-09	2.02E-08	5.84E-09	3.00E-09	8.84E-09
2069	569692.6	4215299	8.81E-08	4.99E-08	1.38E-07	1.35E-08	7.59E-09	2.11E-08	6.07E-09	3.13E-09	9.20E-09
2070	569695.9	4215291	9.17E-08	5.20E-08	1.44E-07	1.40E-08	7.90E-09	2.19E-08	6.32E-09	3.25E-09	9.57E-09

2071	569699.2	4215282	9.58E-08	5.43E-08	1.50E-07	1.46E-08	8.26E-09	2.29E-08	6.60E-09	3.40E-09	1.00E-08
2072	569702.6	4215273	1.01E-07	5.71E-08	1.58E-07	1.54E-08	8.69E-09	2.41E-08	6.95E-09	3.58E-09	1.05E-08
2073	569705.9	4215265	1.06E-07	6.03E-08	1.67E-07	1.62E-08	9.17E-09	2.54E-08	7.33E-09	3.77E-09	1.11E-08
2074	569649.2	4215387	5.98E-08	3.39E-08	9.37E-08	9.13E-09	5.15E-09	1.43E-08	4.12E-09	2.12E-09	6.24E-09
2075	569652.5	4215378	6.18E-08	3.50E-08	9.68E-08	9.44E-09	5.33E-09	1.48E-08	4.26E-09	2.19E-09	6.45E-09
2076	569655.8	4215369	6.42E-08	3.63E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
2077	569659.1	4215361	6.65E-08	3.77E-08	1.04E-07	1.02E-08	5.73E-09	1.59E-08	4.59E-09	2.36E-09	6.95E-09
2078	569662.4	4215352	6.88E-08	3.90E-08	1.08E-07	1.05E-08	5.93E-09	1.64E-08	4.74E-09	2.44E-09	7.18E-09
2079	569665.7	4215344	7.10E-08	4.02E-08	1.11E-07	1.08E-08	6.12E-09	1.70E-08	4.89E-09	2.52E-09	7.41E-09
2080	569669	4215335	7.36E-08	4.17E-08	1.15E-07	1.12E-08	6.34E-09	1.76E-08	5.07E-09	2.61E-09	7.69E-09
2081	569672.3	4215326	7.62E-08	4.32E-08	1.19E-07	1.16E-08	6.57E-09	1.82E-08	5.25E-09	2.70E-09	7.95E-09
2082	569675.7	4215318	7.88E-08	4.46E-08	1.23E-07	1.20E-08	6.79E-09	1.88E-08	5.43E-09	2.79E-09	8.22E-09
2083	569679	4215309	8.21E-08	4.65E-08	1.29E-07	1.25E-08	7.08E-09	1.96E-08	5.66E-09	2.91E-09	8.57E-09
2084	569682.3	4215301	8.57E-08	4.85E-08	1.34E-07	1.31E-08	7.38E-09	2.05E-08	5.90E-09	3.04E-09	8.94E-09
2085	569685.6	4215292	8.93E-08	5.06E-08	1.40E-07	1.36E-08	7.70E-09	2.13E-08	6.16E-09	3.17E-09	9.32E-09
2086	569688.9	4215283	9.31E-08	5.28E-08	1.46E-07	1.42E-08	8.03E-09	2.22E-08	6.42E-09	3.30E-09	9.72E-09
2087	569692.2	4215275	9.77E-08	5.53E-08	1.53E-07	1.49E-08	8.42E-09	2.33E-08	6.73E-09	3.47E-09	1.02E-08
2088	569695.5	4215266	1.03E-07	5.84E-08	1.61E-07	1.57E-08	8.88E-09	2.46E-08	7.10E-09	3.65E-09	1.08E-08
2089	569698.8	4215257	1.09E-07	6.19E-08	1.71E-07	1.67E-08	9.41E-09	2.61E-08	7.52E-09	3.87E-09	1.14E-08
2090	569702.2	4215249	1.16E-07	6.56E-08	1.81E-07	1.77E-08	9.97E-09	2.77E-08	7.98E-09	4.11E-09	1.21E-08
2091	569705.5	4215240	1.23E-07	6.98E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.49E-09	4.37E-09	1.29E-08
2092	569639.3	4215387	5.76E-08	3.27E-08	9.03E-08	8.80E-09	4.97E-09	1.38E-08	3.97E-09	2.04E-09	6.02E-09
2093	569642.7	4215378	5.98E-08	3.39E-08	9.36E-08	9.13E-09	5.15E-09	1.43E-08	4.12E-09	2.12E-09	6.24E-09
2094	569646.2	4215369	6.23E-08	3.53E-08	9.76E-08	9.51E-09	5.37E-09	1.49E-08	4.29E-09	2.21E-09	6.50E-09
2095	569649.6	4215360	6.49E-08	3.67E-08	1.02E-07	9.90E-09	5.59E-09	1.55E-08	4.47E-09	2.30E-09	6.77E-09
2096	569653.1	4215351	6.72E-08	3.81E-08	1.05E-07	1.03E-08	5.79E-09	1.61E-08	4.63E-09	2.39E-09	7.02E-09
2097	569656.5	4215342	6.98E-08	3.95E-08	1.09E-07	1.07E-08	6.01E-09	1.67E-08	4.81E-09	2.47E-09	7.28E-09
2098	569660	4215333	7.25E-08	4.11E-08	1.14E-07	1.11E-08	6.24E-09	1.73E-08	4.99E-09	2.57E-09	7.56E-09
2099	569663.4	4215324	7.50E-08	4.25E-08	1.17E-07	1.15E-08	6.46E-09	1.79E-08	5.17E-09	2.66E-09	7.83E-09
2100	569666.9	4215315	7.76E-08	4.40E-08	1.22E-07	1.19E-08	6.69E-09	1.85E-08	5.35E-09	2.75E-09	8.10E-09
2101	569670.3	4215306	8.14E-08	4.61E-08	1.28E-07	1.24E-08	7.02E-09	1.94E-08	5.61E-09	2.89E-09	8.50E-09
2102	569673.7	4215297	8.54E-08	4.84E-08	1.34E-07	1.30E-08	7.35E-09	2.04E-08	5.88E-09	3.03E-09	8.91E-09
2103	569677.2	4215288	8.94E-08	5.07E-08	1.40E-07	1.37E-08	7.70E-09	2.14E-08	6.16E-09	3.17E-09	9.33E-09
2104	569680.6	4215279	9.37E-08	5.31E-08	1.47E-07	1.43E-08	8.07E-09	2.24E-08	6.46E-09	3.32E-09	9.78E-09
2105	569684.1	4215270	9.86E-08	5.58E-08	1.54E-07	1.50E-08	8.49E-09	2.35E-08	6.79E-09	3.50E-09	1.03E-08
2106	569687.5	4215261	1.04E-07	5.90E-08	1.63E-07	1.59E-08	8.98E-09	2.49E-08	7.18E-09	3.70E-09	1.09E-08
2107	569691	4215252	1.10E-07	6.26E-08	1.73E-07	1.69E-08	9.52E-09	2.64E-08	7.61E-09	3.92E-09	1.15E-08
2108	569694.4	4215243	1.17E-07	6.65E-08	1.84E-07	1.79E-08	1.01E-08	2.81E-08	8.09E-09	4.17E-09	1.23E-08
2109	569697.9	4215234	1.25E-07	7.10E-08	1.96E-07	1.91E-08	1.08E-08	2.99E-08	8.63E-09	4.44E-09	1.31E-08
2110	569701.3	4215225	1.33E-07	7.54E-08	2.08E-07	2.03E-08	1.15E-08	3.18E-08	9.17E-09	4.72E-09	1.39E-08
2111	569704.7	4215216	1.34E-07	7.61E-08	2.10E-07	2.05E-08	1.16E-08	3.21E-08	9.26E-09	4.77E-09	1.40E-08
2112	569629.3	4215387	5.56E-08	3.15E-08	8.71E-08	8.49E-09	4.79E-09	1.33E-08	3.83E-09	1.97E-09	5.80E-09
2113	569632.7	4215378	5.77E-08	3.27E-08	9.04E-08	8.81E-09	4.97E-09	1.38E-08	3.98E-09	2.05E-09	6.02E-09
2114	569636.1	4215369	6.02E-08	3.41E-08	9.43E-08	9.19E-09	5.19E-09	1.44E-08	4.15E-09	2.13E-09	6.28E-09
2115	569639.5	4215360	6.28E-08	3.56E-08	9.83E-08	9.58E-09	5.41E-09	1.50E-08	4.32E-09	2.23E-09	6.55E-09
2116	569642.9	4215352	6.52E-08	3.70E-08	1.02E-07	9.96E-09	5.62E-09	1.56E-08	4.50E-09	2.31E-09	6.81E-09
2117	569646.3	4215343	6.78E-08	3.84E-08	1.06E-07	1.04E-08	5.84E-09	1.62E-08	4.67E-09	2.41E-09	7.08E-09
2118	569649.8	4215334	7.06E-08	4.00E-08	1.11E-07	1.08E-08	6.08E-09	1.69E-08	4.86E-09	2.50E-09	7.37E-09
2119	569653.2	4215325	7.32E-08	4.15E-08	1.15E-07	1.12E-08	6.31E-09	1.75E-08	5.05E-09	2.60E-09	7.64E-09
2120	569656.6	4215316	7.57E-08	4.29E-08	1.19E-07	1.16E-08	6.52E-09	1.81E-08	5.22E-09	2.68E-09	7.90E-09
2121	569660	4215307	7.93E-08	4.49E-08	1.24E-07	1.21E-08	6.83E-09	1.89E-08	5.46E-09	2.81E-09	8.27E-09
2122	569663.4	4215298	8.31E-08	4.71E-08	1.30E-07	1.27E-08	7.16E-09	1.99E-08	5.73E-09	2.95E-09	8.68E-09
2123	569666.8	4215289	8.74E-08	4.95E-08	1.37E-07	1.34E-08	7.53E-09	2.09E-08	6.02E-09	3.10E-09	9.13E-09
2124	569670.2	4215280	9.16E-08	5.19E-08	1.44E-07	1.40E-08	7.89E-09	2.19E-08	6.31E-09	3.25E-09	9.56E-09
2125	569673.7	4215272	9.61E-08	5.44E-08	1.51E-07	1.47E-08	8.28E-09	2.30E-08	6.62E-09	3.41E-09	1.00E-08
2126	569677.1	4215263	1.01E-07	5.73E-08	1.59E-07	1.55E-08	8.72E-09	2.42E-08	6.97E-09	3.59E-09	1.06E-08
2127	569680.5	4215254	1.07E-07	6.05E-08	1.67E-07	1.63E-08	9.21E-09	2.55E-08	7.36E-09	3.79E-09	1.12E-08
2128	569683.9	4215245	1.13E-07	6.39E-08	1.77E-07	1.72E-08	9.71E-09	2.69E-08	7.77E-09	4.00E-09	1.18E-08
2129	569687.3	4215236	1.20E-07	6.78E-08	1.87E-07	1.83E-08	1.03E-08	2.86E-08	8.24E-09	4.24E-09	1.25E-08
2130	569690.7	4215227	1.28E-07	7.23E-08	2.00E-07	1.95E-08	1.10E-08	3.05E-08	8.79E-09	4.52E-09	1.33E-08
2131	569694.1	4215218	1.29E-07	7.32E-08	2.03E-07	1.97E-08	1.11E-08	3.09E-08	8.91E-09	4.59E-09	1.35E-08

2132	569697.6	4215209	1.30E-07	7.37E-08	2.04E-07	1.99E-08	1.12E-08	3.11E-08	8.96E-09	4.61E-09	1.36E-08
2133	569625.9	4215396	5.35E-08	3.03E-08	8.38E-08	8.17E-09	4.61E-09	1.28E-08	3.69E-09	1.90E-09	5.58E-09
2134	569619.3	4215387	5.38E-08	3.05E-08	8.42E-08	8.21E-09	4.63E-09	1.28E-08	3.71E-09	1.91E-09	5.61E-09
2135	569622.6	4215379	5.58E-08	3.16E-08	8.75E-08	8.53E-09	4.81E-09	1.33E-08	3.85E-09	1.98E-09	5.83E-09
2136	569626	4215370	5.82E-08	3.30E-08	9.12E-08	8.89E-09	5.02E-09	1.39E-08	4.01E-09	2.07E-09	6.08E-09
2137	569629.4	4215361	6.08E-08	3.44E-08	9.52E-08	9.28E-09	5.24E-09	1.45E-08	4.19E-09	2.16E-09	6.34E-09
2138	569632.8	4215352	6.33E-08	3.59E-08	9.92E-08	9.67E-09	5.46E-09	1.51E-08	4.36E-09	2.25E-09	6.61E-09
2139	569636.2	4215343	6.59E-08	3.73E-08	1.03E-07	1.01E-08	5.68E-09	1.57E-08	4.54E-09	2.34E-09	6.88E-09
2140	569639.6	4215335	6.88E-08	3.90E-08	1.08E-07	1.05E-08	5.93E-09	1.64E-08	4.74E-09	2.44E-09	7.18E-09
2141	569643	4215326	7.16E-08	4.06E-08	1.12E-07	1.09E-08	6.17E-09	1.71E-08	4.93E-09	2.54E-09	7.47E-09
2142	569646.3	4215317	7.43E-08	4.21E-08	1.16E-07	1.13E-08	6.40E-09	1.77E-08	5.12E-09	2.63E-09	7.75E-09
2143	569649.7	4215308	7.77E-08	4.40E-08	1.22E-07	1.19E-08	6.70E-09	1.86E-08	5.36E-09	2.76E-09	8.11E-09
2144	569653.1	4215299	8.15E-08	4.62E-08	1.28E-07	1.24E-08	7.02E-09	1.95E-08	5.62E-09	2.89E-09	8.51E-09
2145	569656.5	4215291	8.57E-08	4.85E-08	1.34E-07	1.31E-08	7.38E-09	2.05E-08	5.90E-09	3.04E-09	8.94E-09
2146	569659.9	4215282	8.98E-08	5.09E-08	1.41E-07	1.37E-08	7.74E-09	2.14E-08	6.19E-09	3.18E-09	9.37E-09
2147	569663.3	4215273	9.39E-08	5.32E-08	1.47E-07	1.43E-08	8.09E-09	2.24E-08	6.47E-09	3.33E-09	9.80E-09
2148	569666.7	4215264	9.85E-08	5.58E-08	1.54E-07	1.50E-08	8.49E-09	2.35E-08	6.79E-09	3.49E-09	1.03E-08
2149	569670.1	4215255	1.04E-07	5.87E-08	1.62E-07	1.58E-08	8.93E-09	2.48E-08	7.14E-09	3.68E-09	1.08E-08
2150	569673.4	4215246	1.09E-07	6.15E-08	1.70E-07	1.66E-08	9.35E-09	2.59E-08	7.48E-09	3.85E-09	1.13E-08
2151	569676.8	4215238	1.14E-07	6.47E-08	1.79E-07	1.74E-08	9.84E-09	2.73E-08	7.87E-09	4.05E-09	1.19E-08
2152	569680.2	4215229	1.21E-07	6.84E-08	1.89E-07	1.84E-08	1.04E-08	2.89E-08	8.32E-09	4.28E-09	1.26E-08
2153	569683.6	4215220	1.23E-07	6.97E-08	1.93E-07	1.88E-08	1.06E-08	2.94E-08	8.47E-09	4.36E-09	1.28E-08
2154	569687	4215211	1.23E-07	6.99E-08	1.93E-07	1.88E-08	1.06E-08	2.95E-08	8.50E-09	4.38E-09	1.29E-08
2155	569690.4	4215202	1.24E-07	7.04E-08	1.95E-07	1.90E-08	1.07E-08	2.97E-08	8.56E-09	4.41E-09	1.30E-08
2156	569615.9	4215396	5.17E-08	2.93E-08	8.10E-08	7.89E-09	4.45E-09	1.23E-08	3.56E-09	1.83E-09	5.39E-09
2157	569616.2	4215406	5.01E-08	2.84E-08	7.85E-08	7.65E-09	4.32E-09	1.20E-08	3.45E-09	1.78E-09	5.23E-09
2158	569616.5	4215416	4.87E-08	2.76E-08	7.64E-08	7.44E-09	4.20E-09	1.16E-08	3.36E-09	1.73E-09	5.09E-09
2159	569609.2	4215388	5.20E-08	2.95E-08	8.15E-08	7.94E-09	4.48E-09	1.24E-08	3.58E-09	1.85E-09	5.43E-09
2160	569612.6	4215379	5.41E-08	3.06E-08	8.47E-08	8.26E-09	4.66E-09	1.29E-08	3.73E-09	1.92E-09	5.64E-09
2161	569616	4215370	5.64E-08	3.19E-08	8.83E-08	8.61E-09	4.86E-09	1.35E-08	3.89E-09	2.00E-09	5.89E-09
2162	569619.3	4215362	5.89E-08	3.34E-08	9.22E-08	8.99E-09	5.07E-09	1.41E-08	4.06E-09	2.09E-09	6.15E-09
2163	569622.7	4215353	6.14E-08	3.48E-08	9.61E-08	9.37E-09	5.29E-09	1.47E-08	4.23E-09	2.18E-09	6.41E-09
2164	569626	4215344	6.40E-08	3.63E-08	1.00E-07	9.77E-09	5.51E-09	1.53E-08	4.41E-09	2.27E-09	6.68E-09
2165	569629.4	4215335	6.70E-08	3.80E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.62E-09	2.38E-09	7.00E-09
2166	569632.8	4215327	7.01E-08	3.97E-08	1.10E-07	1.07E-08	6.04E-09	1.67E-08	4.83E-09	2.49E-09	7.31E-09
2167	569636.1	4215318	7.30E-08	4.13E-08	1.14E-07	1.11E-08	6.29E-09	1.74E-08	5.03E-09	2.59E-09	7.62E-09
2168	569639.5	4215309	7.63E-08	4.32E-08	1.20E-07	1.17E-08	6.58E-09	1.82E-08	5.26E-09	2.71E-09	7.97E-09
2169	569642.8	4215300	8.01E-08	4.54E-08	1.25E-07	1.22E-08	6.90E-09	1.91E-08	5.52E-09	2.84E-09	8.36E-09
2170	569646.2	4215292	8.41E-08	4.77E-08	1.32E-07	1.28E-08	7.25E-09	2.01E-08	5.80E-09	2.98E-09	8.78E-09
2171	569649.6	4215283	8.82E-08	5.00E-08	1.38E-07	1.35E-08	7.60E-09	2.11E-08	6.08E-09	3.13E-09	9.21E-09
2172	569652.9	4215274	9.19E-08	5.21E-08	1.44E-07	1.40E-08	7.92E-09	2.20E-08	6.34E-09	3.26E-09	9.60E-09
2173	569656.3	4215265	9.61E-08	5.45E-08	1.51E-07	1.47E-08	8.28E-09	2.30E-08	6.62E-09	3.41E-09	1.00E-08
2174	569659.7	4215257	1.01E-07	5.71E-08	1.58E-07	1.54E-08	8.69E-09	2.41E-08	6.95E-09	3.58E-09	1.05E-08
2175	569663	4215248	1.05E-07	5.94E-08	1.64E-07	1.60E-08	9.03E-09	2.50E-08	7.23E-09	3.72E-09	1.09E-08
2176	569666.4	4215239	1.09E-07	6.20E-08	1.72E-07	1.67E-08	9.43E-09	2.62E-08	7.54E-09	3.88E-09	1.14E-08
2177	569669.7	4215230	1.15E-07	6.51E-08	1.80E-07	1.75E-08	9.90E-09	2.74E-08	7.91E-09	4.07E-09	1.20E-08
2178	569673.1	4215222	1.17E-07	6.64E-08	1.84E-07	1.79E-08	1.01E-08	2.80E-08	8.08E-09	4.16E-09	1.22E-08
2179	569676.5	4215213	1.17E-07	6.62E-08	1.83E-07	1.78E-08	1.01E-08	2.79E-08	8.05E-09	4.14E-09	1.22E-08
2180	569679.8	4215204	1.17E-07	6.61E-08	1.83E-07	1.78E-08	1.01E-08	2.79E-08	8.04E-09	4.14E-09	1.22E-08
2181	569683.2	4215195	1.17E-07	6.61E-08	1.83E-07	1.78E-08	1.01E-08	2.79E-08	8.04E-09	4.14E-09	1.22E-08
2182	569695.1	4215183	1.17E-07	6.63E-08	1.83E-07	1.79E-08	1.01E-08	2.79E-08	8.06E-09	4.15E-09	1.22E-08
2183	569605.9	4215397	5.00E-08	2.83E-08	7.83E-08	7.63E-09	4.31E-09	1.19E-08	3.44E-09	1.77E-09	5.22E-09
2184	569606.2	4215406	4.84E-08	2.74E-08	7.58E-08	7.39E-09	4.17E-09	1.16E-08	3.33E-09	1.72E-09	5.05E-09
2185	569606.5	4215416	4.72E-08	2.67E-08	7.39E-08	7.20E-09	4.06E-09	1.13E-08	3.25E-09	1.67E-09	4.92E-09
2186	569606.8	4215426	4.60E-08	2.60E-08	7.20E-08	7.02E-09	3.96E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
2187	569599.2	4215388	5.04E-08	2.85E-08	7.89E-08	7.69E-09	4.34E-09	1.20E-08	3.47E-09	1.79E-09	5.26E-09
2188	569602.6	4215379	5.24E-08	2.97E-08	8.21E-08	8.00E-09	4.52E-09	1.25E-08	3.61E-09	1.86E-09	5.47E-09
2189	569605.9	4215371	5.46E-08	3.10E-08	8.56E-08	8.34E-09	4.71E-09	1.31E-08	3.77E-09	1.94E-09	5.70E-09
2190	569609.2	4215362	5.71E-08	3.23E-08	8.94E-08	8.71E-09	4.92E-09	1.36E-08	3.93E-09	2.02E-09	5.96E-09
2191	569612.6	4215353	5.95E-08	3.37E-08	9.32E-08	9.09E-09	5.13E-09	1.42E-08	4.10E-09	2.11E-09	6.21E-09
2192	569615.9	4215345	6.21E-08	3.52E-08	9.72E-08	9.48E-09	5.35E-09	1.48E-08	4.28E-09	2.20E-09	6.48E-09

2193	569619.2	4215336	6.51E-08	3.69E-08	1.02E-07	9.94E-09	5.61E-09	1.56E-08	4.49E-09	2.31E-09	6.80E-09
2194	569622.6	4215327	6.82E-08	3.86E-08	1.07E-07	1.04E-08	5.88E-09	1.63E-08	4.70E-09	2.42E-09	7.12E-09
2195	569625.9	4215319	7.14E-08	4.04E-08	1.12E-07	1.09E-08	6.15E-09	1.70E-08	4.92E-09	2.53E-09	7.45E-09
2196	569629.3	4215310	7.48E-08	4.24E-08	1.17E-07	1.14E-08	6.45E-09	1.79E-08	5.16E-09	2.65E-09	7.81E-09
2197	569632.6	4215301	7.87E-08	4.46E-08	1.23E-07	1.20E-08	6.78E-09	1.88E-08	5.43E-09	2.79E-09	8.22E-09
2198	569635.9	4215293	8.28E-08	4.69E-08	1.30E-07	1.26E-08	7.13E-09	1.98E-08	5.71E-09	2.94E-09	8.64E-09
2199	569639.3	4215284	8.68E-08	4.92E-08	1.36E-07	1.33E-08	7.48E-09	2.07E-08	5.98E-09	3.08E-09	9.06E-09
2200	569642.6	4215275	9.02E-08	5.11E-08	1.41E-07	1.38E-08	7.77E-09	2.15E-08	6.21E-09	3.20E-09	9.41E-09
2201	569646	4215267	9.39E-08	5.32E-08	1.47E-07	1.43E-08	8.09E-09	2.24E-08	6.47E-09	3.33E-09	9.81E-09
2202	569649.3	4215258	9.81E-08	5.56E-08	1.54E-07	1.50E-08	8.45E-09	2.34E-08	6.76E-09	3.48E-09	1.02E-08
2203	569652.6	4215249	1.01E-07	5.74E-08	1.59E-07	1.55E-08	8.72E-09	2.42E-08	6.98E-09	3.59E-09	1.06E-08
2204	569656	4215241	1.05E-07	5.93E-08	1.64E-07	1.60E-08	9.02E-09	2.50E-08	7.21E-09	3.71E-09	1.09E-08
2205	569659.3	4215232	1.09E-07	6.18E-08	1.71E-07	1.66E-08	9.39E-09	2.60E-08	7.51E-09	3.87E-09	1.14E-08
2206	569662.6	4215223	1.12E-07	6.35E-08	1.76E-07	1.71E-08	9.66E-09	2.68E-08	7.72E-09	3.98E-09	1.17E-08
2207	569666	4215214	1.11E-07	6.29E-08	1.74E-07	1.69E-08	9.56E-09	2.65E-08	7.65E-09	3.94E-09	1.16E-08
2208	569669.3	4215206	1.10E-07	6.24E-08	1.73E-07	1.68E-08	9.49E-09	2.63E-08	7.59E-09	3.91E-09	1.15E-08
2209	569672.7	4215197	1.10E-07	6.21E-08	1.72E-07	1.67E-08	9.44E-09	2.62E-08	7.55E-09	3.89E-09	1.14E-08
2210	569676	4215188	1.08E-07	6.11E-08	1.69E-07	1.65E-08	9.30E-09	2.58E-08	7.44E-09	3.83E-09	1.13E-08
2211	569687.9	4215176	1.08E-07	6.13E-08	1.69E-07	1.65E-08	9.32E-09	2.58E-08	7.45E-09	3.84E-09	1.13E-08
2212	569595.9	4215397	4.84E-08	2.74E-08	7.59E-08	7.39E-09	4.17E-09	1.16E-08	3.34E-09	1.72E-09	5.05E-09
2213	569596.2	4215407	4.69E-08	2.66E-08	7.34E-08	7.16E-09	4.04E-09	1.12E-08	3.23E-09	1.66E-09	4.89E-09
2214	569596.5	4215416	4.57E-08	2.59E-08	7.16E-08	6.98E-09	3.94E-09	1.09E-08	3.15E-09	1.62E-09	4.77E-09
2215	569596.8	4215426	4.46E-08	2.53E-08	6.98E-08	6.81E-09	3.84E-09	1.06E-08	3.07E-09	1.58E-09	4.65E-09
2216	569597.1	4215435	4.35E-08	2.46E-08	6.81E-08	6.64E-09	3.75E-09	1.04E-08	3.00E-09	1.54E-09	4.54E-09
2217	569589.3	4215388	4.89E-08	2.77E-08	7.67E-08	7.47E-09	4.22E-09	1.17E-08	3.37E-09	1.74E-09	5.11E-09
2218	569592.8	4215379	5.10E-08	2.89E-08	7.98E-08	7.78E-09	4.39E-09	1.22E-08	3.51E-09	1.81E-09	5.32E-09
2219	569596.2	4215370	5.32E-08	3.02E-08	8.34E-08	8.13E-09	4.59E-09	1.27E-08	3.67E-09	1.89E-09	5.56E-09
2220	569599.7	4215361	5.57E-08	3.16E-08	8.73E-08	8.51E-09	4.80E-09	1.33E-08	3.84E-09	1.98E-09	5.81E-09
2221	569603.1	4215352	5.82E-08	3.30E-08	9.12E-08	8.89E-09	5.02E-09	1.39E-08	4.01E-09	2.07E-09	6.08E-09
2222	569606.6	4215343	6.10E-08	3.45E-08	9.55E-08	9.31E-09	5.25E-09	1.46E-08	4.20E-09	2.16E-09	6.36E-09
2223	569610	4215334	6.42E-08	3.63E-08	1.01E-07	9.80E-09	5.53E-09	1.53E-08	4.42E-09	2.28E-09	6.70E-09
2224	569613.5	4215325	6.75E-08	3.82E-08	1.06E-07	1.03E-08	5.81E-09	1.61E-08	4.65E-09	2.39E-09	7.04E-09
2225	569616.9	4215316	7.09E-08	4.02E-08	1.11E-07	1.08E-08	6.11E-09	1.69E-08	4.88E-09	2.51E-09	7.40E-09
2226	569620.4	4215307	7.45E-08	4.22E-08	1.17E-07	1.14E-08	6.42E-09	1.78E-08	5.14E-09	2.64E-09	7.78E-09
2227	569623.8	4215298	7.85E-08	4.45E-08	1.23E-07	1.20E-08	6.77E-09	1.88E-08	5.41E-09	2.79E-09	8.20E-09
2228	569627.3	4215289	8.29E-08	4.70E-08	1.30E-07	1.27E-08	7.15E-09	1.98E-08	5.72E-09	2.94E-09	8.66E-09
2229	569630.7	4215281	8.66E-08	4.91E-08	1.36E-07	1.32E-08	7.47E-09	2.07E-08	5.97E-09	3.07E-09	9.04E-09
2230	569634.2	4215272	9.05E-08	5.13E-08	1.42E-07	1.38E-08	7.80E-09	2.16E-08	6.23E-09	3.21E-09	9.44E-09
2231	569637.6	4215263	9.41E-08	5.33E-08	1.47E-07	1.44E-08	8.11E-09	2.25E-08	6.49E-09	3.34E-09	9.83E-09
2232	569641.1	4215254	9.75E-08	5.52E-08	1.53E-07	1.49E-08	8.40E-09	2.33E-08	6.72E-09	3.46E-09	1.02E-08
2233	569644.5	4215245	9.96E-08	5.64E-08	1.56E-07	1.52E-08	8.58E-09	2.38E-08	6.86E-09	3.53E-09	1.04E-08
2234	569648	4215236	1.02E-07	5.80E-08	1.60E-07	1.56E-08	8.82E-09	2.44E-08	7.05E-09	3.63E-09	1.07E-08
2235	569651.4	4215227	1.06E-07	6.00E-08	1.66E-07	1.62E-08	9.13E-09	2.53E-08	7.30E-09	3.76E-09	1.11E-08
2236	569654.9	4215218	1.06E-07	6.00E-08	1.66E-07	1.62E-08	9.13E-09	2.53E-08	7.30E-09	3.76E-09	1.11E-08
2237	569658.3	4215209	1.05E-07	5.96E-08	1.65E-07	1.61E-08	9.06E-09	2.51E-08	7.24E-09	3.73E-09	1.10E-08
2238	569661.8	4215200	1.04E-07	5.88E-08	1.63E-07	1.58E-08	8.94E-09	2.48E-08	7.15E-09	3.68E-09	1.08E-08
2239	569665.2	4215191	1.02E-07	5.80E-08	1.60E-07	1.56E-08	8.81E-09	2.44E-08	7.05E-09	3.63E-09	1.07E-08
2240	569668.7	4215182	1.01E-07	5.72E-08	1.58E-07	1.54E-08	8.70E-09	2.41E-08	6.95E-09	3.58E-09	1.05E-08
2241	569680.9	4215169	1.01E-07	5.73E-08	1.59E-07	1.55E-08	8.72E-09	2.42E-08	6.97E-09	3.59E-09	1.06E-08
2242	569585.9	4215397	4.70E-08	2.66E-08	7.36E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
2243	569586.2	4215407	4.55E-08	2.58E-08	7.12E-08	6.94E-09	3.92E-09	1.09E-08	3.13E-09	1.61E-09	4.75E-09
2244	569586.5	4215416	4.44E-08	2.51E-08	6.95E-08	6.77E-09	3.82E-09	1.06E-08	3.06E-09	1.57E-09	4.63E-09
2245	569586.8	4215426	4.33E-08	2.45E-08	6.78E-08	6.61E-09	3.73E-09	1.03E-08	2.98E-09	1.54E-09	4.52E-09
2246	569587.1	4215436	4.22E-08	2.39E-08	6.61E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
2247	569918.2	4215544	7.16E-08	4.06E-08	1.12E-07	1.09E-08	6.17E-09	1.71E-08	4.93E-09	2.54E-09	7.48E-09
2248	569927.5	4215543	7.29E-08	4.13E-08	1.14E-07	1.11E-08	6.28E-09	1.74E-08	5.02E-09	2.58E-09	7.61E-09
2249	569936.8	4215541	7.42E-08	4.20E-08	1.16E-07	1.13E-08	6.39E-09	1.77E-08	5.11E-09	2.63E-09	7.75E-09
2250	569946.1	4215539	7.57E-08	4.29E-08	1.19E-07	1.16E-08	6.52E-09	1.81E-08	5.21E-09	2.68E-09	7.90E-09
2251	569955.4	4215538	7.73E-08	4.38E-08	1.21E-07	1.18E-08	6.66E-09	1.85E-08	5.33E-09	2.74E-09	8.07E-09
2252	569964.8	4215536	7.91E-08	4.48E-08	1.24E-07	1.21E-08	6.81E-09	1.89E-08	5.45E-09	2.80E-09	8.25E-09
2253	569974.1	4215534	8.11E-08	4.60E-08	1.27E-07	1.24E-08	6.99E-09	1.94E-08	5.59E-09	2.88E-09	8.47E-09

2254	569983.4	4215533	8.34E-08	4.72E-08	1.31E-07	1.27E-08	7.18E-09	1.99E-08	5.75E-09	2.96E-09	8.70E-09
2255	569992.7	4215531	8.58E-08	4.86E-08	1.34E-07	1.31E-08	7.40E-09	2.05E-08	5.92E-09	3.04E-09	8.96E-09
2256	570002	4215529	8.84E-08	5.01E-08	1.39E-07	1.35E-08	7.62E-09	2.11E-08	6.09E-09	3.14E-09	9.23E-09
2257	570011.3	4215527	9.11E-08	5.16E-08	1.43E-07	1.39E-08	7.85E-09	2.18E-08	6.28E-09	3.23E-09	9.51E-09
2258	570020.6	4215526	9.38E-08	5.31E-08	1.47E-07	1.43E-08	8.08E-09	2.24E-08	6.47E-09	3.33E-09	9.79E-09
2259	569911.2	4215552	6.70E-08	3.80E-08	1.05E-07	1.02E-08	5.78E-09	1.60E-08	4.62E-09	2.38E-09	7.00E-09
2260	569902.5	4215550	6.82E-08	3.86E-08	1.07E-07	1.04E-08	5.88E-09	1.63E-08	4.70E-09	2.42E-09	7.12E-09
2261	569929.3	4215552	6.69E-08	3.79E-08	1.05E-07	1.02E-08	5.77E-09	1.60E-08	4.61E-09	2.37E-09	6.98E-09
2262	569938.6	4215551	6.80E-08	3.85E-08	1.07E-07	1.04E-08	5.86E-09	1.62E-08	4.69E-09	2.41E-09	7.10E-09
2263	569947.9	4215549	6.92E-08	3.92E-08	1.08E-07	1.06E-08	5.96E-09	1.65E-08	4.77E-09	2.46E-09	7.22E-09
2264	569957.2	4215547	7.05E-08	4.00E-08	1.10E-07	1.08E-08	6.08E-09	1.68E-08	4.86E-09	2.50E-09	7.36E-09
2265	569966.5	4215546	7.20E-08	4.08E-08	1.13E-07	1.10E-08	6.20E-09	1.72E-08	4.96E-09	2.55E-09	7.51E-09
2266	569975.8	4215544	7.36E-08	4.17E-08	1.15E-07	1.12E-08	6.34E-09	1.76E-08	5.07E-09	2.61E-09	7.68E-09
2267	569985.2	4215542	7.54E-08	4.27E-08	1.18E-07	1.15E-08	6.50E-09	1.80E-08	5.20E-09	2.68E-09	7.87E-09
2268	569994.5	4215541	7.74E-08	4.39E-08	1.21E-07	1.18E-08	6.67E-09	1.85E-08	5.34E-09	2.75E-09	8.08E-09
2269	570003.8	4215539	7.96E-08	4.51E-08	1.25E-07	1.21E-08	6.86E-09	1.90E-08	5.48E-09	2.82E-09	8.30E-09
2270	570013.1	4215537	8.17E-08	4.63E-08	1.28E-07	1.25E-08	7.04E-09	1.95E-08	5.63E-09	2.90E-09	8.53E-09
2271	570022.4	4215536	8.38E-08	4.75E-08	1.31E-07	1.28E-08	7.22E-09	2.00E-08	5.78E-09	2.97E-09	8.75E-09
2272	569913	4215562	6.18E-08	3.50E-08	9.69E-08	9.44E-09	5.33E-09	1.48E-08	4.26E-09	2.19E-09	6.45E-09
2273	569895.7	4215557	6.40E-08	3.63E-08	1.00E-07	9.77E-09	5.51E-09	1.53E-08	4.41E-09	2.27E-09	6.68E-09
2274	569878.3	4215553	6.61E-08	3.74E-08	1.04E-07	1.01E-08	5.69E-09	1.58E-08	4.55E-09	2.34E-09	6.90E-09
2275	569921.7	4215564	6.07E-08	3.44E-08	9.52E-08	9.28E-09	5.23E-09	1.45E-08	4.19E-09	2.15E-09	6.34E-09
2276	569931	4215562	6.16E-08	3.49E-08	9.65E-08	9.41E-09	5.31E-09	1.47E-08	4.25E-09	2.19E-09	6.43E-09
2277	569940.3	4215561	6.25E-08	3.54E-08	9.80E-08	9.55E-09	5.39E-09	1.49E-08	4.31E-09	2.22E-09	6.53E-09
2278	569949.7	4215559	6.35E-08	3.60E-08	9.95E-08	9.70E-09	5.47E-09	1.52E-08	4.38E-09	2.25E-09	6.63E-09
2279	569959	4215557	6.46E-08	3.66E-08	1.01E-07	9.86E-09	5.57E-09	1.54E-08	4.45E-09	2.29E-09	6.74E-09
2280	569968.3	4215556	6.58E-08	3.73E-08	1.03E-07	1.00E-08	5.67E-09	1.57E-08	4.53E-09	2.33E-09	6.87E-09
2281	569977.6	4215554	6.71E-08	3.80E-08	1.05E-07	1.03E-08	5.79E-09	1.60E-08	4.63E-09	2.38E-09	7.01E-09
2282	569986.9	4215552	6.86E-08	3.89E-08	1.08E-07	1.05E-08	5.91E-09	1.64E-08	4.73E-09	2.43E-09	7.16E-09
2283	569996.2	4215551	7.02E-08	3.98E-08	1.10E-07	1.07E-08	6.05E-09	1.68E-08	4.84E-09	2.49E-09	7.32E-09
2284	570005.6	4215549	7.18E-08	4.07E-08	1.12E-07	1.10E-08	6.19E-09	1.72E-08	4.95E-09	2.55E-09	7.50E-09
2285	570014.9	4215547	7.35E-08	4.17E-08	1.15E-07	1.12E-08	6.34E-09	1.76E-08	5.07E-09	2.61E-09	7.67E-09
2286	570024.2	4215546	7.53E-08	4.26E-08	1.18E-07	1.15E-08	6.49E-09	1.80E-08	5.19E-09	2.67E-09	7.86E-09
2287	570033.5	4215544	7.68E-08	4.35E-08	1.20E-07	1.17E-08	6.62E-09	1.83E-08	5.29E-09	2.72E-09	8.02E-09
2288	569914.8	4215572	5.72E-08	3.24E-08	8.95E-08	8.73E-09	4.93E-09	1.37E-08	3.94E-09	2.03E-09	5.97E-09
2289	569897.6	4215567	5.92E-08	3.35E-08	9.27E-08	9.04E-09	5.10E-09	1.41E-08	4.08E-09	2.10E-09	6.18E-09
2290	569880.3	4215563	6.12E-08	3.47E-08	9.58E-08	9.34E-09	5.27E-09	1.46E-08	4.22E-09	2.17E-09	6.39E-09
2291	569863	4215558	6.31E-08	3.57E-08	9.88E-08	9.63E-09	5.43E-09	1.51E-08	4.35E-09	2.24E-09	6.58E-09
2292	569923.5	4215574	5.62E-08	3.18E-08	8.80E-08	8.58E-09	4.84E-09	1.34E-08	3.87E-09	1.99E-09	5.86E-09
2293	569932.8	4215572	5.69E-08	3.22E-08	8.91E-08	8.69E-09	4.90E-09	1.36E-08	3.92E-09	2.02E-09	5.94E-09
2294	569942.1	4215570	5.77E-08	3.27E-08	9.03E-08	8.81E-09	4.97E-09	1.38E-08	3.97E-09	2.05E-09	6.02E-09
2295	569951.4	4215569	5.85E-08	3.31E-08	9.16E-08	8.93E-09	5.04E-09	1.40E-08	4.03E-09	2.07E-09	6.11E-09
2296	569960.7	4215567	5.94E-08	3.37E-08	9.31E-08	9.07E-09	5.12E-09	1.42E-08	4.09E-09	2.11E-09	6.20E-09
2297	569970.1	4215565	6.04E-08	3.42E-08	9.46E-08	9.22E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.31E-09
2298	569979.4	4215564	6.15E-08	3.48E-08	9.63E-08	9.38E-09	5.30E-09	1.47E-08	4.24E-09	2.18E-09	6.42E-09
2299	569988.7	4215562	6.26E-08	3.55E-08	9.80E-08	9.56E-09	5.39E-09	1.49E-08	4.31E-09	2.22E-09	6.53E-09
2300	569998	4215560	6.38E-08	3.61E-08	1.00E-07	9.74E-09	5.50E-09	1.52E-08	4.40E-09	2.26E-09	6.66E-09
2301	570007.3	4215559	6.51E-08	3.69E-08	1.02E-07	9.95E-09	5.61E-09	1.56E-08	4.49E-09	2.31E-09	6.80E-09
2302	570016.6	4215557	6.65E-08	3.77E-08	1.04E-07	1.02E-08	5.73E-09	1.59E-08	4.59E-09	2.36E-09	6.95E-09
2303	570026	4215555	6.80E-08	3.85E-08	1.06E-07	1.04E-08	5.86E-09	1.62E-08	4.68E-09	2.41E-09	7.10E-09
2304	569916.7	4215581	5.29E-08	3.00E-08	8.29E-08	8.09E-09	4.56E-09	1.26E-08	3.65E-09	1.88E-09	5.53E-09
2305	569899.4	4215577	5.49E-08	3.11E-08	8.59E-08	8.38E-09	4.73E-09	1.31E-08	3.78E-09	1.95E-09	5.73E-09
2306	569882.2	4215573	5.67E-08	3.21E-08	8.89E-08	8.66E-09	4.89E-09	1.36E-08	3.91E-09	2.01E-09	5.92E-09
2307	569865	4215568	5.86E-08	3.32E-08	9.17E-08	8.94E-09	5.05E-09	1.40E-08	4.04E-09	2.08E-09	6.11E-09
2308	569847.8	4215564	6.03E-08	3.41E-08	9.44E-08	9.20E-09	5.19E-09	1.44E-08	4.15E-09	2.14E-09	6.29E-09
2309	569830.6	4215559	5.94E-08	3.37E-08	9.31E-08	9.07E-09	5.12E-09	1.42E-08	4.09E-09	2.11E-09	6.20E-09
2310	569934.6	4215582	5.26E-08	2.98E-08	8.24E-08	8.04E-09	4.54E-09	1.26E-08	3.63E-09	1.87E-09	5.49E-09
2311	569943.9	4215580	5.33E-08	3.02E-08	8.35E-08	8.14E-09	4.59E-09	1.27E-08	3.67E-09	1.89E-09	5.56E-09
2312	569953.2	4215579	5.40E-08	3.06E-08	8.46E-08	8.25E-09	4.65E-09	1.29E-08	3.72E-09	1.92E-09	5.64E-09
2313	569962.5	4215577	5.48E-08	3.10E-08	8.58E-08	8.37E-09	4.72E-09	1.31E-08	3.78E-09	1.94E-09	5.72E-09
2314	569971.8	4215575	5.56E-08	3.15E-08	8.71E-08	8.49E-09	4.79E-09	1.33E-08	3.83E-09	1.97E-09	5.80E-09

2315	569981.1	4215574	5.64E-08	3.20E-08	8.84E-08	8.61E-09	4.86E-09	1.35E-08	3.89E-09	2.00E-09	5.89E-09
2316	569990.5	4215572	5.73E-08	3.25E-08	8.98E-08	8.76E-09	4.94E-09	1.37E-08	3.95E-09	2.03E-09	5.99E-09
2317	569999.8	4215570	5.84E-08	3.31E-08	9.14E-08	8.91E-09	5.03E-09	1.39E-08	4.02E-09	2.07E-09	6.09E-09
2318	570009.1	4215569	5.95E-08	3.37E-08	9.32E-08	9.08E-09	5.12E-09	1.42E-08	4.10E-09	2.11E-09	6.21E-09
2319	570065	4215558	6.70E-08	3.80E-08	1.05E-07	1.02E-08	5.78E-09	1.60E-08	4.62E-09	2.38E-09	7.00E-09
2320	570074.3	4215557	6.89E-08	3.90E-08	1.08E-07	1.05E-08	5.93E-09	1.65E-08	4.75E-09	2.44E-09	7.19E-09
2321	570083.6	4215555	7.08E-08	4.01E-08	1.11E-07	1.08E-08	6.10E-09	1.69E-08	4.88E-09	2.51E-09	7.39E-09
2322	569917.9	4215591	4.92E-08	2.79E-08	7.70E-08	7.51E-09	4.24E-09	1.17E-08	3.39E-09	1.74E-09	5.13E-09
2323	569908.7	4215589	5.01E-08	2.84E-08	7.85E-08	7.65E-09	4.32E-09	1.20E-08	3.45E-09	1.78E-09	5.23E-09
2324	569899.6	4215586	5.11E-08	2.89E-08	8.00E-08	7.80E-09	4.40E-09	1.22E-08	3.52E-09	1.81E-09	5.33E-09
2325	569890.5	4215584	5.21E-08	2.95E-08	8.16E-08	7.95E-09	4.49E-09	1.24E-08	3.59E-09	1.85E-09	5.44E-09
2326	569881.3	4215582	5.30E-08	3.00E-08	8.30E-08	8.09E-09	4.57E-09	1.27E-08	3.65E-09	1.88E-09	5.53E-09
2327	569872.2	4215579	5.39E-08	3.06E-08	8.45E-08	8.24E-09	4.65E-09	1.29E-08	3.72E-09	1.91E-09	5.63E-09
2328	569863	4215577	5.48E-08	3.11E-08	8.59E-08	8.38E-09	4.73E-09	1.31E-08	3.78E-09	1.95E-09	5.73E-09
2329	569853.9	4215575	5.57E-08	3.16E-08	8.73E-08	8.51E-09	4.80E-09	1.33E-08	3.84E-09	1.98E-09	5.82E-09
2330	569844.8	4215572	5.66E-08	3.21E-08	8.87E-08	8.64E-09	4.88E-09	1.35E-08	3.90E-09	2.01E-09	5.91E-09
2331	569835.6	4215570	5.54E-08	3.14E-08	8.67E-08	8.45E-09	4.77E-09	1.32E-08	3.81E-09	1.96E-09	5.78E-09
2332	569826.5	4215568	5.59E-08	3.17E-08	8.75E-08	8.53E-09	4.81E-09	1.33E-08	3.85E-09	1.98E-09	5.83E-09
2333	569817.3	4215565	5.64E-08	3.20E-08	8.84E-08	8.62E-09	4.86E-09	1.35E-08	3.89E-09	2.00E-09	5.89E-09
2334	569808.2	4215563	5.69E-08	3.23E-08	8.92E-08	8.69E-09	4.91E-09	1.36E-08	3.92E-09	2.02E-09	5.94E-09
2335	569927	4215593	4.83E-08	2.73E-08	7.56E-08	7.37E-09	4.16E-09	1.15E-08	3.33E-09	1.71E-09	5.04E-09
2336	569936.3	4215592	4.88E-08	2.76E-08	7.64E-08	7.45E-09	4.20E-09	1.17E-08	3.36E-09	1.73E-09	5.09E-09
2337	569945.7	4215590	4.94E-08	2.80E-08	7.73E-08	7.54E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
2338	569955	4215588	5.00E-08	2.83E-08	7.83E-08	7.63E-09	4.31E-09	1.19E-08	3.44E-09	1.77E-09	5.22E-09
2339	569964.3	4215587	5.07E-08	2.87E-08	7.94E-08	7.73E-09	4.36E-09	1.21E-08	3.49E-09	1.80E-09	5.29E-09
2340	569973.6	4215585	5.13E-08	2.91E-08	8.03E-08	7.83E-09	4.42E-09	1.23E-08	3.53E-09	1.82E-09	5.35E-09
2341	569982.9	4215583	5.20E-08	2.95E-08	8.15E-08	7.94E-09	4.48E-09	1.24E-08	3.58E-09	1.84E-09	5.43E-09
2342	569992.2	4215582	5.28E-08	2.99E-08	8.27E-08	8.06E-09	4.55E-09	1.26E-08	3.64E-09	1.87E-09	5.51E-09
2343	570048.1	4215572	5.88E-08	3.33E-08	9.21E-08	8.98E-09	5.07E-09	1.40E-08	4.05E-09	2.09E-09	6.14E-09
2344	570057.4	4215570	6.01E-08	3.40E-08	9.41E-08	9.17E-09	5.18E-09	1.43E-08	4.14E-09	2.13E-09	6.27E-09
2345	570066.8	4215568	6.16E-08	3.49E-08	9.65E-08	9.40E-09	5.31E-09	1.47E-08	4.24E-09	2.18E-09	6.43E-09
2346	570076.1	4215567	6.32E-08	3.58E-08	9.91E-08	9.66E-09	5.45E-09	1.51E-08	4.36E-09	2.24E-09	6.60E-09
2347	570085.4	4215565	6.50E-08	3.68E-08	1.02E-07	9.93E-09	5.60E-09	1.55E-08	4.48E-09	2.31E-09	6.79E-09
2348	569919.7	4215601	4.58E-08	2.59E-08	7.17E-08	6.99E-09	3.95E-09	1.09E-08	3.16E-09	1.62E-09	4.78E-09
2349	569910.6	4215599	4.67E-08	2.64E-08	7.31E-08	7.12E-09	4.02E-09	1.11E-08	3.21E-09	1.65E-09	4.87E-09
2350	569901.6	4215596	4.75E-08	2.69E-08	7.45E-08	7.26E-09	4.10E-09	1.14E-08	3.28E-09	1.69E-09	4.96E-09
2351	569892.5	4215594	4.84E-08	2.74E-08	7.59E-08	7.40E-09	4.17E-09	1.16E-08	3.34E-09	1.72E-09	5.06E-09
2352	569883.4	4215592	4.93E-08	2.80E-08	7.73E-08	7.53E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
2353	569874.4	4215589	5.02E-08	2.84E-08	7.87E-08	7.67E-09	4.33E-09	1.20E-08	3.46E-09	1.78E-09	5.24E-09
2354	569865.3	4215587	5.11E-08	2.89E-08	8.00E-08	7.80E-09	4.40E-09	1.22E-08	3.52E-09	1.81E-09	5.33E-09
2355	569856.2	4215585	5.19E-08	2.94E-08	8.13E-08	7.93E-09	4.47E-09	1.24E-08	3.58E-09	1.84E-09	5.42E-09
2356	569847.1	4215582	5.27E-08	2.99E-08	8.26E-08	8.05E-09	4.55E-09	1.26E-08	3.63E-09	1.87E-09	5.51E-09
2357	569838.1	4215580	5.36E-08	3.03E-08	8.39E-08	8.18E-09	4.61E-09	1.28E-08	3.69E-09	1.90E-09	5.59E-09
2358	569829	4215578	5.23E-08	2.96E-08	8.19E-08	7.98E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.46E-09
2359	569819.9	4215575	5.27E-08	2.99E-08	8.26E-08	8.05E-09	4.54E-09	1.26E-08	3.63E-09	1.87E-09	5.50E-09
2360	569810.8	4215573	5.32E-08	3.01E-08	8.34E-08	8.13E-09	4.59E-09	1.27E-08	3.67E-09	1.89E-09	5.55E-09
2361	569801.8	4215571	5.37E-08	3.04E-08	8.41E-08	8.20E-09	4.63E-09	1.28E-08	3.70E-09	1.91E-09	5.61E-09
2362	569792.7	4215568	5.42E-08	3.07E-08	8.49E-08	8.27E-09	4.67E-09	1.29E-08	3.73E-09	1.92E-09	5.65E-09
2363	569928.8	4215603	4.50E-08	2.55E-08	7.04E-08	6.86E-09	3.87E-09	1.07E-08	3.10E-09	1.59E-09	4.69E-09
2364	569938.1	4215602	4.54E-08	2.57E-08	7.11E-08	6.93E-09	3.91E-09	1.08E-08	3.13E-09	1.61E-09	4.74E-09
2365	569947.4	4215600	4.59E-08	2.60E-08	7.19E-08	7.01E-09	3.96E-09	1.10E-08	3.16E-09	1.63E-09	4.79E-09
2366	569956.7	4215598	4.65E-08	2.63E-08	7.28E-08	7.09E-09	4.00E-09	1.11E-08	3.20E-09	1.65E-09	4.85E-09
2367	569966.1	4215597	4.70E-08	2.66E-08	7.37E-08	7.18E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.91E-09
2368	569975.4	4215595	4.76E-08	2.70E-08	7.45E-08	7.27E-09	4.10E-09	1.14E-08	3.28E-09	1.69E-09	4.97E-09
2369	570031.3	4215585	5.22E-08	2.96E-08	8.17E-08	7.97E-09	4.50E-09	1.25E-08	3.60E-09	1.85E-09	5.45E-09
2370	570040.6	4215583	5.32E-08	3.01E-08	8.33E-08	8.12E-09	4.58E-09	1.27E-08	3.67E-09	1.89E-09	5.55E-09
2371	570049.9	4215582	5.42E-08	3.07E-08	8.50E-08	8.28E-09	4.67E-09	1.30E-08	3.74E-09	1.92E-09	5.66E-09
2372	570059.2	4215580	5.55E-08	3.14E-08	8.69E-08	8.47E-09	4.78E-09	1.32E-08	3.82E-09	1.97E-09	5.79E-09
2373	570068.5	4215578	5.68E-08	3.22E-08	8.90E-08	8.68E-09	4.90E-09	1.36E-08	3.92E-09	2.02E-09	5.93E-09
2374	570077.8	4215576	5.83E-08	3.30E-08	9.14E-08	8.91E-09	5.03E-09	1.39E-08	4.02E-09	2.07E-09	6.09E-09
2375	570087.2	4215575	5.99E-08	3.40E-08	9.39E-08	9.15E-09	5.16E-09	1.43E-08	4.13E-09	2.13E-09	6.26E-09

2376	569921.6	4215611	4.28E-08	2.42E-08	6.70E-08	6.53E-09	3.68E-09	1.02E-08	2.95E-09	1.52E-09	4.46E-09
2377	569912.5	4215609	4.35E-08	2.47E-08	6.82E-08	6.65E-09	3.75E-09	1.04E-08	3.00E-09	1.54E-09	4.55E-09
2378	569903.5	4215606	4.43E-08	2.51E-08	6.95E-08	6.77E-09	3.82E-09	1.06E-08	3.06E-09	1.57E-09	4.63E-09
2379	569894.5	4215604	4.52E-08	2.56E-08	7.08E-08	6.90E-09	3.89E-09	1.08E-08	3.11E-09	1.60E-09	4.71E-09
2380	569885.5	4215602	4.60E-08	2.61E-08	7.21E-08	7.02E-09	3.96E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
2381	569876.5	4215599	4.68E-08	2.65E-08	7.34E-08	7.15E-09	4.04E-09	1.12E-08	3.23E-09	1.66E-09	4.89E-09
2382	569867.5	4215597	4.76E-08	2.70E-08	7.46E-08	7.27E-09	4.10E-09	1.14E-08	3.28E-09	1.69E-09	4.97E-09
2383	569858.5	4215595	4.84E-08	2.74E-08	7.59E-08	7.40E-09	4.17E-09	1.16E-08	3.34E-09	1.72E-09	5.06E-09
2384	569849.4	4215592	4.92E-08	2.79E-08	7.71E-08	7.52E-09	4.24E-09	1.18E-08	3.39E-09	1.75E-09	5.14E-09
2385	569840.4	4215590	5.00E-08	2.83E-08	7.83E-08	7.64E-09	4.31E-09	1.19E-08	3.45E-09	1.77E-09	5.22E-09
2386	569831.4	4215588	5.08E-08	2.88E-08	7.95E-08	7.75E-09	4.37E-09	1.21E-08	3.50E-09	1.80E-09	5.30E-09
2387	569822.4	4215585	4.94E-08	2.80E-08	7.74E-08	7.54E-09	4.26E-09	1.18E-08	3.40E-09	1.75E-09	5.16E-09
2388	569813.4	4215583	4.98E-08	2.82E-08	7.80E-08	7.60E-09	4.29E-09	1.19E-08	3.43E-09	1.77E-09	5.20E-09
2389	569804.4	4215581	5.03E-08	2.85E-08	7.88E-08	7.68E-09	4.33E-09	1.20E-08	3.47E-09	1.78E-09	5.25E-09
2390	569795.4	4215578	5.08E-08	2.88E-08	7.96E-08	7.76E-09	4.38E-09	1.21E-08	3.50E-09	1.80E-09	5.30E-09
2391	569786.3	4215576	5.13E-08	2.90E-08	8.03E-08	7.83E-09	4.42E-09	1.22E-08	3.53E-09	1.82E-09	5.35E-09
2392	569930.6	4215613	4.20E-08	2.38E-08	6.58E-08	6.41E-09	3.62E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
2393	569939.9	4215611	4.24E-08	2.40E-08	6.64E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
2394	569949.2	4215610	4.28E-08	2.43E-08	6.71E-08	6.54E-09	3.69E-09	1.02E-08	2.95E-09	1.52E-09	4.47E-09
2395	570005.1	4215600	4.61E-08	2.61E-08	7.21E-08	7.03E-09	3.97E-09	1.10E-08	3.17E-09	1.63E-09	4.81E-09
2396	570014.4	4215598	4.67E-08	2.65E-08	7.32E-08	7.14E-09	4.03E-09	1.12E-08	3.22E-09	1.66E-09	4.88E-09
2397	570023.7	4215596	4.75E-08	2.69E-08	7.44E-08	7.25E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.96E-09
2398	570033	4215595	4.84E-08	2.74E-08	7.58E-08	7.39E-09	4.17E-09	1.16E-08	3.33E-09	1.72E-09	5.05E-09
2399	570042.3	4215593	4.93E-08	2.79E-08	7.73E-08	7.53E-09	4.25E-09	1.18E-08	3.40E-09	1.75E-09	5.15E-09
2400	570051.7	4215591	5.03E-08	2.85E-08	7.89E-08	7.69E-09	4.34E-09	1.20E-08	3.47E-09	1.79E-09	5.25E-09
2401	570061	4215590	5.15E-08	2.92E-08	8.06E-08	7.86E-09	4.43E-09	1.23E-08	3.55E-09	1.83E-09	5.37E-09
2402	570070.3	4215588	5.27E-08	2.99E-08	8.25E-08	8.05E-09	4.54E-09	1.26E-08	3.63E-09	1.87E-09	5.50E-09
2403	570079.6	4215586	5.40E-08	3.06E-08	8.46E-08	8.25E-09	4.65E-09	1.29E-08	3.72E-09	1.92E-09	5.64E-09
2404	570088.9	4215585	5.55E-08	3.14E-08	8.69E-08	8.47E-09	4.78E-09	1.33E-08	3.82E-09	1.97E-09	5.79E-09
2405	569923.4	4215621	4.00E-08	2.27E-08	6.27E-08	6.11E-09	3.45E-09	9.56E-09	2.76E-09	1.42E-09	4.18E-09
2406	569914.4	4215618	4.08E-08	2.31E-08	6.38E-08	6.22E-09	3.51E-09	9.73E-09	2.81E-09	1.45E-09	4.25E-09
2407	569905.5	4215616	4.15E-08	2.35E-08	6.50E-08	6.33E-09	3.57E-09	9.91E-09	2.86E-09	1.47E-09	4.33E-09
2408	569896.5	4215614	4.22E-08	2.39E-08	6.61E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
2409	569887.5	4215611	4.30E-08	2.43E-08	6.73E-08	6.56E-09	3.70E-09	1.03E-08	2.96E-09	1.52E-09	4.48E-09
2410	569878.6	4215609	4.37E-08	2.48E-08	6.85E-08	6.68E-09	3.77E-09	1.04E-08	3.01E-09	1.55E-09	4.56E-09
2411	569869.6	4215607	4.45E-08	2.52E-08	6.97E-08	6.80E-09	3.84E-09	1.06E-08	3.07E-09	1.58E-09	4.65E-09
2412	569860.6	4215605	4.53E-08	2.57E-08	7.09E-08	6.91E-09	3.90E-09	1.08E-08	3.12E-09	1.61E-09	4.73E-09
2413	569851.7	4215602	4.60E-08	2.61E-08	7.21E-08	7.03E-09	3.97E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
2414	569842.7	4215600	4.68E-08	2.65E-08	7.33E-08	7.14E-09	4.03E-09	1.12E-08	3.22E-09	1.66E-09	4.88E-09
2415	569833.8	4215598	4.75E-08	2.69E-08	7.44E-08	7.25E-09	4.09E-09	1.13E-08	3.27E-09	1.68E-09	4.96E-09
2416	569824.8	4215595	4.82E-08	2.73E-08	7.55E-08	7.36E-09	4.15E-09	1.15E-08	3.32E-09	1.71E-09	5.03E-09
2417	569815.8	4215593	4.68E-08	2.65E-08	7.33E-08	7.14E-09	4.03E-09	1.12E-08	3.22E-09	1.66E-09	4.88E-09
2418	569806.9	4215591	4.72E-08	2.68E-08	7.40E-08	7.21E-09	4.07E-09	1.13E-08	3.25E-09	1.68E-09	4.93E-09
2419	569797.9	4215588	4.77E-08	2.70E-08	7.47E-08	7.28E-09	4.11E-09	1.14E-08	3.29E-09	1.69E-09	4.98E-09
2420	569789	4215586	4.82E-08	2.73E-08	7.54E-08	7.35E-09	4.15E-09	1.15E-08	3.32E-09	1.71E-09	5.03E-09
2421	569932.3	4215623	3.94E-08	2.23E-08	6.17E-08	6.01E-09	3.39E-09	9.40E-09	2.71E-09	1.40E-09	4.11E-09
2422	569988.2	4215613	4.19E-08	2.37E-08	6.57E-08	6.40E-09	3.61E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
2423	569997.5	4215611	4.24E-08	2.40E-08	6.65E-08	6.48E-09	3.66E-09	1.01E-08	2.92E-09	1.51E-09	4.43E-09
2424	570006.9	4215610	4.30E-08	2.43E-08	6.73E-08	6.56E-09	3.70E-09	1.03E-08	2.96E-09	1.52E-09	4.48E-09
2425	570016.2	4215608	4.35E-08	2.47E-08	6.82E-08	6.65E-09	3.75E-09	1.04E-08	3.00E-09	1.54E-09	4.54E-09
2426	570025.5	4215606	4.42E-08	2.50E-08	6.92E-08	6.75E-09	3.81E-09	1.06E-08	3.05E-09	1.57E-09	4.61E-09
2427	570034.8	4215605	4.51E-08	2.55E-08	7.06E-08	6.88E-09	3.88E-09	1.08E-08	3.11E-09	1.60E-09	4.70E-09
2428	570044.1	4215603	4.60E-08	2.61E-08	7.20E-08	7.02E-09	3.96E-09	1.10E-08	3.17E-09	1.63E-09	4.80E-09
2429	570053.4	4215601	4.70E-08	2.66E-08	7.36E-08	7.17E-09	4.05E-09	1.12E-08	3.24E-09	1.67E-09	4.90E-09
2430	570062.7	4215600	4.80E-08	2.72E-08	7.52E-08	7.33E-09	4.14E-09	1.15E-08	3.31E-09	1.70E-09	5.01E-09
2431	570072.1	4215598	4.92E-08	2.79E-08	7.70E-08	7.51E-09	4.24E-09	1.17E-08	3.39E-09	1.74E-09	5.13E-09
2432	570081.4	4215596	5.04E-08	2.86E-08	7.90E-08	7.70E-09	4.34E-09	1.20E-08	3.47E-09	1.79E-09	5.26E-09
2433	570090.7	4215595	5.18E-08	2.93E-08	8.11E-08	7.90E-09	4.46E-09	1.24E-08	3.57E-09	1.84E-09	5.40E-09
2434	569925.2	4215631	3.76E-08	2.13E-08	5.90E-08	5.75E-09	3.24E-09	8.99E-09	2.59E-09	1.33E-09	3.93E-09
2435	569916.3	4215628	3.83E-08	2.17E-08	6.00E-08	5.84E-09	3.30E-09	9.14E-09	2.64E-09	1.36E-09	3.99E-09
2436	569907.4	4215626	3.89E-08	2.21E-08	6.10E-08	5.94E-09	3.35E-09	9.30E-09	2.68E-09	1.38E-09	4.06E-09

2437	569898.5	4215624	3.96E-08	2.24E-08	6.20E-08	6.05E-09	3.41E-09	9.46E-09	2.73E-09	1.40E-09	4.13E-09
2438	569889.5	4215621	4.03E-08	2.28E-08	6.31E-08	6.15E-09	3.47E-09	9.62E-09	2.77E-09	1.43E-09	4.20E-09
2439	569880.6	4215619	4.09E-08	2.32E-08	6.41E-08	6.25E-09	3.53E-09	9.78E-09	2.82E-09	1.45E-09	4.27E-09
2440	569871.7	4215617	4.16E-08	2.36E-08	6.52E-08	6.36E-09	3.59E-09	9.95E-09	2.87E-09	1.48E-09	4.35E-09
2441	569862.8	4215615	4.24E-08	2.40E-08	6.64E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
2442	569853.9	4215612	4.31E-08	2.44E-08	6.75E-08	6.58E-09	3.71E-09	1.03E-08	2.97E-09	1.53E-09	4.50E-09
2443	569845	4215610	4.38E-08	2.48E-08	6.86E-08	6.69E-09	3.77E-09	1.05E-08	3.02E-09	1.55E-09	4.57E-09
2444	569836.1	4215608	4.45E-08	2.52E-08	6.97E-08	6.79E-09	3.83E-09	1.06E-08	3.07E-09	1.58E-09	4.64E-09
2445	569827.1	4215605	4.52E-08	2.56E-08	7.08E-08	6.90E-09	3.89E-09	1.08E-08	3.11E-09	1.60E-09	4.72E-09
2446	569818.2	4215603	4.41E-08	2.50E-08	6.91E-08	6.73E-09	3.80E-09	1.05E-08	3.04E-09	1.56E-09	4.60E-09
2447	569809.3	4215601	4.45E-08	2.52E-08	6.97E-08	6.79E-09	3.83E-09	1.06E-08	3.06E-09	1.58E-09	4.64E-09
2448	569800.4	4215598	4.49E-08	2.54E-08	7.03E-08	6.86E-09	3.87E-09	1.07E-08	3.09E-09	1.59E-09	4.69E-09
2449	569791.5	4215596	4.53E-08	2.57E-08	7.10E-08	6.92E-09	3.91E-09	1.08E-08	3.12E-09	1.61E-09	4.73E-09
2450	569971.4	4215626	3.84E-08	2.17E-08	6.01E-08	5.86E-09	3.31E-09	9.17E-09	2.64E-09	1.36E-09	4.01E-09
2451	569980.7	4215624	3.88E-08	2.20E-08	6.08E-08	5.93E-09	3.34E-09	9.27E-09	2.67E-09	1.38E-09	4.05E-09
2452	569990	4215623	3.93E-08	2.22E-08	6.15E-08	6.00E-09	3.38E-09	9.38E-09	2.71E-09	1.39E-09	4.10E-09
2453	569999.3	4215621	3.97E-08	2.25E-08	6.23E-08	6.07E-09	3.42E-09	9.49E-09	2.74E-09	1.41E-09	4.15E-09
2454	570008.6	4215619	4.02E-08	2.28E-08	6.30E-08	6.14E-09	3.47E-09	9.61E-09	2.77E-09	1.43E-09	4.20E-09
2455	570017.9	4215618	4.07E-08	2.31E-08	6.38E-08	6.22E-09	3.51E-09	9.73E-09	2.81E-09	1.44E-09	4.25E-09
2456	570027.3	4215616	4.13E-08	2.34E-08	6.47E-08	6.31E-09	3.56E-09	9.87E-09	2.85E-09	1.47E-09	4.31E-09
2457	570036.6	4215614	4.22E-08	2.39E-08	6.60E-08	6.44E-09	3.63E-09	1.01E-08	2.91E-09	1.50E-09	4.40E-09
2458	570045.9	4215613	4.31E-08	2.44E-08	6.74E-08	6.57E-09	3.71E-09	1.03E-08	2.97E-09	1.53E-09	4.49E-09
2459	570055.2	4215611	4.40E-08	2.49E-08	6.89E-08	6.72E-09	3.79E-09	1.05E-08	3.03E-09	1.56E-09	4.59E-09
2460	570064.5	4215609	4.50E-08	2.55E-08	7.05E-08	6.87E-09	3.88E-09	1.07E-08	3.10E-09	1.60E-09	4.70E-09
2461	570073.8	4215608	4.61E-08	2.61E-08	7.21E-08	7.03E-09	3.97E-09	1.10E-08	3.17E-09	1.63E-09	4.81E-09
2462	570083.2	4215606	4.72E-08	2.67E-08	7.39E-08	7.21E-09	4.07E-09	1.13E-08	3.25E-09	1.67E-09	4.93E-09
2463	570092.5	4215604	4.85E-08	2.75E-08	7.60E-08	7.41E-09	4.18E-09	1.16E-08	3.34E-09	1.72E-09	5.06E-09
2464	569909.3	4215636	3.66E-08	2.07E-08	5.74E-08	5.59E-09	3.16E-09	8.75E-09	2.52E-09	1.30E-09	3.82E-09
2465	569900.4	4215634	3.72E-08	2.11E-08	5.83E-08	5.68E-09	3.21E-09	8.89E-09	2.57E-09	1.32E-09	3.89E-09
2466	569891.5	4215631	3.78E-08	2.14E-08	5.93E-08	5.78E-09	3.26E-09	9.04E-09	2.61E-09	1.34E-09	3.95E-09
2467	569882.6	4215629	3.85E-08	2.18E-08	6.03E-08	5.88E-09	3.32E-09	9.19E-09	2.65E-09	1.36E-09	4.02E-09
2468	569873.8	4215627	3.91E-08	2.22E-08	6.13E-08	5.97E-09	3.37E-09	9.34E-09	2.70E-09	1.39E-09	4.08E-09
2469	569864.9	4215624	3.98E-08	2.25E-08	6.23E-08	6.07E-09	3.43E-09	9.50E-09	2.74E-09	1.41E-09	4.15E-09
2470	569856	4215622	4.04E-08	2.29E-08	6.33E-08	6.17E-09	3.48E-09	9.66E-09	2.79E-09	1.43E-09	4.22E-09
2471	569847.2	4215620	4.11E-08	2.33E-08	6.44E-08	6.27E-09	3.54E-09	9.82E-09	2.83E-09	1.46E-09	4.29E-09
2472	569838.3	4215618	4.17E-08	2.36E-08	6.54E-08	6.37E-09	3.60E-09	9.97E-09	2.88E-09	1.48E-09	4.36E-09
2473	569829.4	4215615	4.24E-08	2.40E-08	6.64E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
2474	569820.5	4215613	4.30E-08	2.44E-08	6.74E-08	6.57E-09	3.71E-09	1.03E-08	2.96E-09	1.53E-09	4.49E-09
2475	569811.7	4215611	4.20E-08	2.38E-08	6.58E-08	6.41E-09	3.62E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
2476	569802.8	4215608	4.23E-08	2.40E-08	6.63E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
2477	569945.2	4215641	3.51E-08	1.99E-08	5.51E-08	5.37E-09	3.03E-09	8.40E-09	2.42E-09	1.25E-09	3.67E-09
2478	569954.5	4215639	3.54E-08	2.01E-08	5.55E-08	5.41E-09	3.05E-09	8.46E-09	2.44E-09	1.26E-09	3.70E-09
2479	569963.8	4215638	3.57E-08	2.02E-08	5.60E-08	5.45E-09	3.08E-09	8.53E-09	2.46E-09	1.27E-09	3.73E-09
2480	569973.1	4215636	3.61E-08	2.04E-08	5.65E-08	5.51E-09	3.11E-09	8.62E-09	2.49E-09	1.28E-09	3.77E-09
2481	569982.5	4215634	3.65E-08	2.07E-08	5.71E-08	5.57E-09	3.14E-09	8.71E-09	2.51E-09	1.29E-09	3.81E-09
2482	569991.8	4215633	3.69E-08	2.09E-08	5.78E-08	5.63E-09	3.18E-09	8.81E-09	2.54E-09	1.31E-09	3.85E-09
2483	570001.1	4215631	3.73E-08	2.12E-08	5.85E-08	5.70E-09	3.22E-09	8.92E-09	2.57E-09	1.32E-09	3.90E-09
2484	570010.4	4215629	3.78E-08	2.14E-08	5.93E-08	5.78E-09	3.26E-09	9.04E-09	2.61E-09	1.34E-09	3.95E-09
2485	570019.7	4215628	3.83E-08	2.17E-08	6.01E-08	5.85E-09	3.30E-09	9.16E-09	2.64E-09	1.36E-09	4.00E-09
2486	570029	4215626	3.90E-08	2.21E-08	6.10E-08	5.95E-09	3.36E-09	9.31E-09	2.68E-09	1.38E-09	4.07E-09
2487	570038.3	4215624	3.97E-08	2.25E-08	6.22E-08	6.06E-09	3.42E-09	9.48E-09	2.73E-09	1.41E-09	4.14E-09
2488	570047.7	4215623	4.05E-08	2.29E-08	6.34E-08	6.18E-09	3.49E-09	9.67E-09	2.79E-09	1.44E-09	4.23E-09
2489	570057	4215621	4.14E-08	2.34E-08	6.48E-08	6.32E-09	3.56E-09	9.88E-09	2.85E-09	1.47E-09	4.32E-09
2490	570066.3	4215619	4.23E-08	2.39E-08	6.62E-08	6.45E-09	3.64E-09	1.01E-08	2.91E-09	1.50E-09	4.41E-09
2491	570075.6	4215618	4.32E-08	2.45E-08	6.77E-08	6.60E-09	3.73E-09	1.03E-08	2.98E-09	1.53E-09	4.51E-09
2492	570084.9	4215616	4.43E-08	2.51E-08	6.94E-08	6.77E-09	3.82E-09	1.06E-08	3.05E-09	1.57E-09	4.63E-09
2493	570094.2	4215614	4.56E-08	2.58E-08	7.14E-08	6.96E-09	3.93E-09	1.09E-08	3.14E-09	1.62E-09	4.76E-09
2494	569902.3	4215643	3.51E-08	1.99E-08	5.49E-08	5.36E-09	3.02E-09	8.38E-09	2.42E-09	1.24E-09	3.66E-09
2495	569893.5	4215641	3.56E-08	2.02E-08	5.58E-08	5.44E-09	3.07E-09	8.51E-09	2.46E-09	1.26E-09	3.72E-09
2496	569884.6	4215639	3.62E-08	2.05E-08	5.67E-08	5.53E-09	3.12E-09	8.65E-09	2.50E-09	1.28E-09	3.78E-09
2497	569875.8	4215637	3.68E-08	2.08E-08	5.76E-08	5.62E-09	3.17E-09	8.79E-09	2.54E-09	1.31E-09	3.84E-09

2498	569867	4215634	3.74E-08	2.12E-08	5.86E-08	5.71E-09	3.22E-09	8.93E-09	2.58E-09	1.33E-09	3.90E-09
2499	569858.1	4215632	3.80E-08	2.15E-08	5.95E-08	5.80E-09	3.27E-09	9.08E-09	2.62E-09	1.35E-09	3.97E-09
2500	569849.3	4215630	3.86E-08	2.19E-08	6.05E-08	5.90E-09	3.33E-09	9.22E-09	2.66E-09	1.37E-09	4.03E-09
2501	569840.5	4215628	3.92E-08	2.22E-08	6.14E-08	5.99E-09	3.38E-09	9.37E-09	2.70E-09	1.39E-09	4.09E-09
2502	569831.6	4215625	3.98E-08	2.26E-08	6.24E-08	6.08E-09	3.43E-09	9.51E-09	2.74E-09	1.41E-09	4.16E-09
2503	569822.8	4215623	4.04E-08	2.29E-08	6.33E-08	6.17E-09	3.48E-09	9.66E-09	2.79E-09	1.43E-09	4.22E-09
2504	569814	4215621	4.10E-08	2.32E-08	6.43E-08	6.26E-09	3.53E-09	9.80E-09	2.83E-09	1.46E-09	4.28E-09
2505	569937.6	4215653	3.30E-08	1.87E-08	5.16E-08	5.03E-09	2.84E-09	7.87E-09	2.27E-09	1.17E-09	3.44E-09
2506	569947	4215651	3.32E-08	1.88E-08	5.20E-08	5.07E-09	2.86E-09	7.93E-09	2.29E-09	1.18E-09	3.46E-09
2507	569956.3	4215649	3.34E-08	1.89E-08	5.23E-08	5.10E-09	2.88E-09	7.98E-09	2.30E-09	1.19E-09	3.49E-09
2508	569965.6	4215647	3.37E-08	1.91E-08	5.28E-08	5.14E-09	2.90E-09	8.05E-09	2.32E-09	1.19E-09	3.52E-09
2509	569974.9	4215646	3.40E-08	1.93E-08	5.33E-08	5.19E-09	2.93E-09	8.12E-09	2.34E-09	1.21E-09	3.55E-09
2510	569984.2	4215644	3.44E-08	1.95E-08	5.38E-08	5.25E-09	2.96E-09	8.21E-09	2.37E-09	1.22E-09	3.59E-09
2511	569993.5	4215642	3.47E-08	1.97E-08	5.44E-08	5.31E-09	2.99E-09	8.30E-09	2.39E-09	1.23E-09	3.63E-09
2512	570002.9	4215641	3.52E-08	1.99E-08	5.51E-08	5.38E-09	3.03E-09	8.41E-09	2.43E-09	1.25E-09	3.67E-09
2513	570012.2	4215639	3.57E-08	2.02E-08	5.59E-08	5.45E-09	3.08E-09	8.53E-09	2.46E-09	1.27E-09	3.73E-09
2514	570021.5	4215637	3.62E-08	2.05E-08	5.67E-08	5.53E-09	3.12E-09	8.65E-09	2.50E-09	1.28E-09	3.78E-09
2515	570030.8	4215636	3.68E-08	2.09E-08	5.77E-08	5.62E-09	3.17E-09	8.79E-09	2.54E-09	1.31E-09	3.84E-09
2516	570040.1	4215634	3.75E-08	2.12E-08	5.87E-08	5.72E-09	3.23E-09	8.95E-09	2.58E-09	1.33E-09	3.91E-09
2517	570049.4	4215632	3.82E-08	2.16E-08	5.98E-08	5.83E-09	3.29E-09	9.12E-09	2.63E-09	1.35E-09	3.99E-09
2518	570058.7	4215631	3.90E-08	2.21E-08	6.11E-08	5.95E-09	3.36E-09	9.31E-09	2.69E-09	1.38E-09	4.07E-09
2519	570068.1	4215629	3.98E-08	2.26E-08	6.24E-08	6.08E-09	3.43E-09	9.51E-09	2.74E-09	1.41E-09	4.16E-09
2520	570077.4	4215627	4.07E-08	2.31E-08	6.38E-08	6.22E-09	3.51E-09	9.73E-09	2.81E-09	1.44E-09	4.25E-09
2521	570086.7	4215626	4.18E-08	2.37E-08	6.54E-08	6.38E-09	3.60E-09	9.97E-09	2.88E-09	1.48E-09	4.36E-09
2522	570096	4215624	4.29E-08	2.43E-08	6.72E-08	6.55E-09	3.70E-09	1.02E-08	2.96E-09	1.52E-09	4.48E-09
2523	569930.6	4215660	3.16E-08	1.79E-08	4.96E-08	4.83E-09	2.73E-09	7.56E-09	2.18E-09	1.12E-09	3.30E-09
2524	569921.8	4215658	3.21E-08	1.82E-08	5.03E-08	4.90E-09	2.77E-09	7.67E-09	2.21E-09	1.14E-09	3.35E-09
2525	569895.4	4215651	3.36E-08	1.90E-08	5.27E-08	5.13E-09	2.90E-09	8.03E-09	2.32E-09	1.19E-09	3.51E-09
2526	569886.6	4215649	3.41E-08	1.93E-08	5.35E-08	5.21E-09	2.94E-09	8.15E-09	2.35E-09	1.21E-09	3.56E-09
2527	569877.8	4215647	3.47E-08	1.96E-08	5.43E-08	5.30E-09	2.99E-09	8.28E-09	2.39E-09	1.23E-09	3.62E-09
2528	569869	4215644	3.52E-08	2.00E-08	5.52E-08	5.38E-09	3.04E-09	8.41E-09	2.43E-09	1.25E-09	3.68E-09
2529	569860.2	4215642	3.58E-08	2.03E-08	5.61E-08	5.46E-09	3.08E-09	8.55E-09	2.47E-09	1.27E-09	3.74E-09
2530	569851.4	4215640	3.64E-08	2.06E-08	5.69E-08	5.55E-09	3.13E-09	8.68E-09	2.51E-09	1.29E-09	3.79E-09
2531	569842.6	4215637	3.69E-08	2.09E-08	5.78E-08	5.64E-09	3.18E-09	8.82E-09	2.54E-09	1.31E-09	3.85E-09
2532	569833.8	4215635	3.75E-08	2.12E-08	5.87E-08	5.72E-09	3.23E-09	8.96E-09	2.58E-09	1.33E-09	3.91E-09
2533	569816.2	4215631	3.86E-08	2.19E-08	6.05E-08	5.90E-09	3.33E-09	9.22E-09	2.66E-09	1.37E-09	4.03E-09
2534	569939.4	4215662	3.12E-08	1.77E-08	4.88E-08	4.76E-09	2.69E-09	7.45E-09	2.15E-09	1.11E-09	3.25E-09
2535	569948.7	4215661	3.14E-08	1.78E-08	4.92E-08	4.79E-09	2.70E-09	7.50E-09	2.16E-09	1.11E-09	3.28E-09
2536	569958	4215659	3.16E-08	1.79E-08	4.95E-08	4.83E-09	2.72E-09	7.55E-09	2.18E-09	1.12E-09	3.30E-09
2537	569967.4	4215657	3.19E-08	1.81E-08	4.99E-08	4.87E-09	2.75E-09	7.61E-09	2.20E-09	1.13E-09	3.33E-09
2538	569976.7	4215656	3.22E-08	1.82E-08	5.04E-08	4.91E-09	2.77E-09	7.68E-09	2.22E-09	1.14E-09	3.36E-09
2539	569986	4215654	3.25E-08	1.84E-08	5.09E-08	4.96E-09	2.80E-09	7.76E-09	2.24E-09	1.15E-09	3.39E-09
2540	569995.3	4215652	3.28E-08	1.86E-08	5.14E-08	5.02E-09	2.83E-09	7.85E-09	2.26E-09	1.16E-09	3.43E-09
2541	570004.6	4215651	3.33E-08	1.89E-08	5.21E-08	5.08E-09	2.87E-09	7.95E-09	2.29E-09	1.18E-09	3.47E-09
2542	570013.9	4215649	3.38E-08	1.91E-08	5.29E-08	5.16E-09	2.91E-09	8.06E-09	2.33E-09	1.20E-09	3.52E-09
2543	570023.3	4215647	3.43E-08	1.94E-08	5.37E-08	5.24E-09	2.96E-09	8.19E-09	2.36E-09	1.22E-09	3.58E-09
2544	570032.6	4215646	3.49E-08	1.97E-08	5.46E-08	5.32E-09	3.00E-09	8.33E-09	2.40E-09	1.24E-09	3.64E-09
2545	570041.9	4215644	3.55E-08	2.01E-08	5.55E-08	5.41E-09	3.05E-09	8.47E-09	2.44E-09	1.26E-09	3.70E-09
2546	570051.2	4215642	3.61E-08	2.05E-08	5.66E-08	5.51E-09	3.11E-09	8.62E-09	2.49E-09	1.28E-09	3.77E-09
2547	570060.5	4215641	3.68E-08	2.09E-08	5.77E-08	5.62E-09	3.17E-09	8.80E-09	2.54E-09	1.31E-09	3.84E-09
2548	570069.8	4215639	3.76E-08	2.13E-08	5.89E-08	5.74E-09	3.24E-09	8.98E-09	2.59E-09	1.33E-09	3.93E-09
2549	570079.1	4215637	3.85E-08	2.18E-08	6.03E-08	5.87E-09	3.31E-09	9.19E-09	2.65E-09	1.36E-09	4.02E-09
2550	570088.5	4215636	3.94E-08	2.23E-08	6.17E-08	6.02E-09	3.40E-09	9.41E-09	2.72E-09	1.40E-09	4.11E-09
2551	570097.8	4215634	4.04E-08	2.29E-08	6.34E-08	6.18E-09	3.49E-09	9.66E-09	2.79E-09	1.43E-09	4.22E-09
2552	569932	4215670	3.00E-08	1.70E-08	4.70E-08	4.58E-09	2.59E-09	7.17E-09	2.07E-09	1.06E-09	3.13E-09
2553	569922.9	4215667	3.05E-08	1.73E-08	4.77E-08	4.65E-09	2.62E-09	7.27E-09	2.10E-09	1.08E-09	3.18E-09
2554	569913.7	4215665	3.09E-08	1.75E-08	4.84E-08	4.72E-09	2.66E-09	7.38E-09	2.13E-09	1.10E-09	3.23E-09
2555	569877	4215656	3.29E-08	1.86E-08	5.16E-08	5.03E-09	2.84E-09	7.86E-09	2.27E-09	1.17E-09	3.44E-09
2556	569867.9	4215653	3.34E-08	1.89E-08	5.24E-08	5.11E-09	2.88E-09	7.99E-09	2.30E-09	1.19E-09	3.49E-09
2557	569858.7	4215651	3.40E-08	1.93E-08	5.32E-08	5.19E-09	2.93E-09	8.12E-09	2.34E-09	1.21E-09	3.55E-09
2558	569849.5	4215649	3.45E-08	1.96E-08	5.41E-08	5.27E-09	2.98E-09	8.25E-09	2.38E-09	1.22E-09	3.60E-09

2559	569840.4	4215646	3.51E-08	1.99E-08	5.49E-08	5.36E-09	3.02E-09	8.38E-09	2.42E-09	1.24E-09	3.66E-09
2560	569831.2	4215644	3.56E-08	2.02E-08	5.58E-08	5.44E-09	3.07E-09	8.51E-09	2.46E-09	1.26E-09	3.72E-09
2561	569941.2	4215672	2.96E-08	1.68E-08	4.63E-08	4.52E-09	2.55E-09	7.06E-09	2.04E-09	1.05E-09	3.09E-09
2562	569950.5	4215671	2.98E-08	1.69E-08	4.66E-08	4.54E-09	2.56E-09	7.11E-09	2.05E-09	1.06E-09	3.11E-09
2563	569959.8	4215669	3.00E-08	1.70E-08	4.69E-08	4.58E-09	2.58E-09	7.16E-09	2.07E-09	1.06E-09	3.13E-09
2564	569969.1	4215667	3.02E-08	1.71E-08	4.73E-08	4.61E-09	2.60E-09	7.22E-09	2.08E-09	1.07E-09	3.15E-09
2565	569978.4	4215665	3.05E-08	1.73E-08	4.78E-08	4.66E-09	2.63E-09	7.28E-09	2.10E-09	1.08E-09	3.18E-09
2566	569987.8	4215664	3.08E-08	1.74E-08	4.82E-08	4.70E-09	2.65E-09	7.35E-09	2.12E-09	1.09E-09	3.21E-09
2567	569997.1	4215662	3.11E-08	1.76E-08	4.88E-08	4.75E-09	2.68E-09	7.44E-09	2.15E-09	1.10E-09	3.25E-09
2568	570006.4	4215660	3.15E-08	1.79E-08	4.94E-08	4.81E-09	2.72E-09	7.53E-09	2.17E-09	1.12E-09	3.29E-09
2569	570015.7	4215659	3.20E-08	1.81E-08	5.01E-08	4.88E-09	2.75E-09	7.63E-09	2.20E-09	1.13E-09	3.34E-09
2570	570025	4215657	3.24E-08	1.84E-08	5.08E-08	4.95E-09	2.80E-09	7.75E-09	2.24E-09	1.15E-09	3.39E-09
2571	570034.3	4215655	3.30E-08	1.87E-08	5.17E-08	5.03E-09	2.84E-09	7.88E-09	2.27E-09	1.17E-09	3.44E-09
2572	570043.7	4215654	3.36E-08	1.90E-08	5.26E-08	5.12E-09	2.89E-09	8.01E-09	2.31E-09	1.19E-09	3.50E-09
2573	570053	4215652	3.42E-08	1.94E-08	5.35E-08	5.22E-09	2.95E-09	8.16E-09	2.36E-09	1.21E-09	3.57E-09
2574	570062.3	4215650	3.49E-08	1.97E-08	5.46E-08	5.32E-09	3.00E-09	8.33E-09	2.40E-09	1.24E-09	3.64E-09
2575	570071.6	4215649	3.56E-08	2.02E-08	5.58E-08	5.44E-09	3.07E-09	8.50E-09	2.45E-09	1.26E-09	3.72E-09
2576	570080.9	4215647	3.64E-08	2.06E-08	5.70E-08	5.56E-09	3.14E-09	8.70E-09	2.51E-09	1.29E-09	3.80E-09
2577	570090.2	4215645	3.73E-08	2.11E-08	5.84E-08	5.69E-09	3.21E-09	8.90E-09	2.57E-09	1.32E-09	3.89E-09
2578	570099.5	4215644	3.82E-08	2.17E-08	5.99E-08	5.84E-09	3.29E-09	9.13E-09	2.63E-09	1.36E-09	3.99E-09
2579	569933.8	4215680	2.85E-08	1.61E-08	4.46E-08	4.35E-09	2.46E-09	6.81E-09	1.96E-09	1.01E-09	2.97E-09
2580	569924.7	4215677	2.89E-08	1.64E-08	4.53E-08	4.41E-09	2.49E-09	6.90E-09	1.99E-09	1.02E-09	3.02E-09
2581	569915.6	4215675	2.93E-08	1.66E-08	4.59E-08	4.47E-09	2.52E-09	7.00E-09	2.02E-09	1.04E-09	3.06E-09
2582	569906.5	4215673	2.97E-08	1.68E-08	4.66E-08	4.54E-09	2.56E-09	7.10E-09	2.05E-09	1.05E-09	3.10E-09
2583	569870	4215663	3.16E-08	1.79E-08	4.95E-08	4.83E-09	2.73E-09	7.56E-09	2.18E-09	1.12E-09	3.30E-09
2584	569860.9	4215661	3.21E-08	1.82E-08	5.03E-08	4.90E-09	2.77E-09	7.67E-09	2.21E-09	1.14E-09	3.35E-09
2585	569851.8	4215659	3.26E-08	1.85E-08	5.11E-08	4.98E-09	2.81E-09	7.79E-09	2.25E-09	1.16E-09	3.41E-09
2586	569842.7	4215656	3.31E-08	1.88E-08	5.19E-08	5.06E-09	2.85E-09	7.91E-09	2.28E-09	1.18E-09	3.46E-09
2587	569833.6	4215654	3.36E-08	1.91E-08	5.27E-08	5.14E-09	2.90E-09	8.04E-09	2.32E-09	1.19E-09	3.51E-09
2588	569943	4215682	2.81E-08	1.59E-08	4.40E-08	4.29E-09	2.42E-09	6.71E-09	1.94E-09	9.97E-10	2.93E-09
2589	569952.3	4215680	2.83E-08	1.60E-08	4.43E-08	4.32E-09	2.44E-09	6.76E-09	1.95E-09	1.00E-09	2.95E-09
2590	569961.6	4215679	2.85E-08	1.61E-08	4.46E-08	4.35E-09	2.45E-09	6.80E-09	1.96E-09	1.01E-09	2.97E-09
2591	569970.9	4215677	2.87E-08	1.63E-08	4.50E-08	4.38E-09	2.47E-09	6.86E-09	1.98E-09	1.02E-09	3.00E-09
2592	569980.2	4215675	2.90E-08	1.64E-08	4.54E-08	4.42E-09	2.50E-09	6.92E-09	2.00E-09	1.03E-09	3.02E-09
2593	569989.5	4215674	2.92E-08	1.66E-08	4.58E-08	4.47E-09	2.52E-09	6.99E-09	2.02E-09	1.04E-09	3.05E-09
2594	569998.8	4215672	2.96E-08	1.67E-08	4.63E-08	4.51E-09	2.55E-09	7.06E-09	2.04E-09	1.05E-09	3.09E-09
2595	570008.2	4215670	2.99E-08	1.69E-08	4.69E-08	4.57E-09	2.58E-09	7.15E-09	2.06E-09	1.06E-09	3.12E-09
2596	570017.5	4215669	3.03E-08	1.72E-08	4.75E-08	4.63E-09	2.61E-09	7.24E-09	2.09E-09	1.08E-09	3.16E-09
2597	570026.8	4215667	3.08E-08	1.74E-08	4.82E-08	4.70E-09	2.65E-09	7.35E-09	2.12E-09	1.09E-09	3.21E-09
2598	570036.1	4215665	3.13E-08	1.77E-08	4.90E-08	4.77E-09	2.69E-09	7.47E-09	2.15E-09	1.11E-09	3.26E-09
2599	570045.4	4215664	3.18E-08	1.80E-08	4.98E-08	4.86E-09	2.74E-09	7.60E-09	2.19E-09	1.13E-09	3.32E-09
2600	570054.7	4215662	3.24E-08	1.84E-08	5.08E-08	4.95E-09	2.79E-09	7.74E-09	2.23E-09	1.15E-09	3.38E-09
2601	570064.1	4215660	3.30E-08	1.87E-08	5.18E-08	5.04E-09	2.85E-09	7.89E-09	2.28E-09	1.17E-09	3.45E-09
2602	570073.4	4215659	3.37E-08	1.91E-08	5.28E-08	5.15E-09	2.91E-09	8.06E-09	2.32E-09	1.20E-09	3.52E-09
2603	570082.7	4215657	3.45E-08	1.95E-08	5.40E-08	5.26E-09	2.97E-09	8.23E-09	2.38E-09	1.22E-09	3.60E-09
2604	570092	4215655	3.53E-08	2.00E-08	5.53E-08	5.39E-09	3.04E-09	8.43E-09	2.43E-09	1.25E-09	3.68E-09
2605	570101.3	4215654	3.62E-08	2.05E-08	5.67E-08	5.52E-09	3.12E-09	8.64E-09	2.49E-09	1.28E-09	3.78E-09
2606	569935.7	4215690	2.71E-08	1.54E-08	4.25E-08	4.14E-09	2.34E-09	6.47E-09	1.87E-09	9.61E-10	2.83E-09
2607	569926.6	4215687	2.75E-08	1.56E-08	4.30E-08	4.19E-09	2.37E-09	6.56E-09	1.89E-09	9.74E-10	2.87E-09
2608	569917.5	4215685	2.78E-08	1.58E-08	4.36E-08	4.25E-09	2.40E-09	6.65E-09	1.92E-09	9.87E-10	2.91E-09
2609	569908.4	4215683	2.82E-08	1.60E-08	4.42E-08	4.31E-09	2.43E-09	6.74E-09	1.95E-09	1.00E-09	2.95E-09
2610	569899.4	4215680	2.86E-08	1.62E-08	4.49E-08	4.37E-09	2.47E-09	6.84E-09	1.97E-09	1.02E-09	2.99E-09
2611	569863.1	4215671	3.04E-08	1.72E-08	4.76E-08	4.64E-09	2.62E-09	7.26E-09	2.10E-09	1.08E-09	3.17E-09
2612	569854	4215669	3.09E-08	1.75E-08	4.84E-08	4.71E-09	2.66E-09	7.37E-09	2.13E-09	1.10E-09	3.22E-09
2613	569844.9	4215666	3.13E-08	1.78E-08	4.91E-08	4.79E-09	2.70E-09	7.49E-09	2.16E-09	1.11E-09	3.27E-09
2614	569944.7	4215692	2.68E-08	1.52E-08	4.19E-08	4.09E-09	2.31E-09	6.39E-09	1.84E-09	9.49E-10	2.79E-09
2615	569954	4215690	2.69E-08	1.53E-08	4.22E-08	4.11E-09	2.32E-09	6.43E-09	1.86E-09	9.56E-10	2.81E-09
2616	569963.4	4215689	2.71E-08	1.54E-08	4.25E-08	4.14E-09	2.34E-09	6.48E-09	1.87E-09	9.62E-10	2.83E-09
2617	569972.7	4215687	2.74E-08	1.55E-08	4.28E-08	4.18E-09	2.36E-09	6.53E-09	1.88E-09	9.70E-10	2.86E-09
2618	569982	4215685	2.76E-08	1.56E-08	4.32E-08	4.21E-09	2.38E-09	6.59E-09	1.90E-09	9.79E-10	2.88E-09
2619	569991.3	4215684	2.79E-08	1.58E-08	4.36E-08	4.25E-09	2.40E-09	6.65E-09	1.92E-09	9.88E-10	2.91E-09

2620	570000.6	4215682	2.81E-08	1.59E-08	4.41E-08	4.30E-09	2.42E-09	6.72E-09	1.94E-09	9.98E-10	2.94E-09
2621	570009.9	4215680	2.85E-08	1.61E-08	4.46E-08	4.35E-09	2.45E-09	6.80E-09	1.96E-09	1.01E-09	2.97E-09
2622	570019.2	4215678	2.88E-08	1.63E-08	4.51E-08	4.40E-09	2.48E-09	6.88E-09	1.99E-09	1.02E-09	3.01E-09
2623	570028.6	4215677	2.92E-08	1.66E-08	4.58E-08	4.46E-09	2.52E-09	6.98E-09	2.01E-09	1.04E-09	3.05E-09
2624	570037.9	4215675	2.97E-08	1.68E-08	4.65E-08	4.54E-09	2.56E-09	7.10E-09	2.05E-09	1.05E-09	3.10E-09
2625	570047.2	4215673	3.02E-08	1.71E-08	4.74E-08	4.62E-09	2.60E-09	7.22E-09	2.08E-09	1.07E-09	3.16E-09
2626	570056.5	4215672	3.08E-08	1.74E-08	4.82E-08	4.70E-09	2.65E-09	7.36E-09	2.12E-09	1.09E-09	3.21E-09
2627	570065.8	4215670	3.14E-08	1.78E-08	4.92E-08	4.79E-09	2.70E-09	7.50E-09	2.16E-09	1.11E-09	3.28E-09
2628	570075.1	4215668	3.20E-08	1.81E-08	5.02E-08	4.89E-09	2.76E-09	7.65E-09	2.21E-09	1.14E-09	3.34E-09
2629	570084.5	4215667	3.27E-08	1.85E-08	5.12E-08	5.00E-09	2.82E-09	7.81E-09	2.25E-09	1.16E-09	3.41E-09
2630	570093.8	4215665	3.35E-08	1.90E-08	5.24E-08	5.11E-09	2.88E-09	8.00E-09	2.31E-09	1.19E-09	3.49E-09
2631	570103.1	4215663	3.43E-08	1.94E-08	5.37E-08	5.24E-09	2.95E-09	8.19E-09	2.36E-09	1.22E-09	3.58E-09
2632	569937.5	4215699	2.58E-08	1.46E-08	4.05E-08	3.94E-09	2.23E-09	6.17E-09	1.78E-09	9.16E-10	2.70E-09
2633	569928.4	4215697	2.62E-08	1.48E-08	4.10E-08	3.99E-09	2.25E-09	6.25E-09	1.80E-09	9.28E-10	2.73E-09
2634	569919.4	4215695	2.65E-08	1.50E-08	4.15E-08	4.05E-09	2.28E-09	6.33E-09	1.83E-09	9.40E-10	2.77E-09
2635	569910.4	4215692	2.68E-08	1.52E-08	4.21E-08	4.10E-09	2.31E-09	6.41E-09	1.85E-09	9.52E-10	2.80E-09
2636	569901.3	4215690	2.72E-08	1.54E-08	4.26E-08	4.16E-09	2.34E-09	6.50E-09	1.88E-09	9.65E-10	2.84E-09
2637	569892.3	4215688	2.76E-08	1.56E-08	4.33E-08	4.22E-09	2.38E-09	6.60E-09	1.90E-09	9.79E-10	2.88E-09
2638	569946.5	4215702	2.55E-08	1.45E-08	4.00E-08	3.90E-09	2.20E-09	6.10E-09	1.76E-09	9.05E-10	2.66E-09
2639	569955.8	4215700	2.57E-08	1.46E-08	4.03E-08	3.92E-09	2.21E-09	6.14E-09	1.77E-09	9.12E-10	2.68E-09
2640	569965.1	4215698	2.59E-08	1.47E-08	4.06E-08	3.95E-09	2.23E-09	6.19E-09	1.78E-09	9.19E-10	2.70E-09
2641	569974.4	4215697	2.61E-08	1.48E-08	4.09E-08	3.99E-09	2.25E-09	6.24E-09	1.80E-09	9.26E-10	2.73E-09
2642	569983.8	4215695	2.63E-08	1.49E-08	4.13E-08	4.02E-09	2.27E-09	6.29E-09	1.81E-09	9.34E-10	2.75E-09
2643	569993.1	4215693	2.66E-08	1.51E-08	4.17E-08	4.06E-09	2.29E-09	6.35E-09	1.83E-09	9.43E-10	2.78E-09
2644	570002.4	4215692	2.68E-08	1.52E-08	4.21E-08	4.10E-09	2.31E-09	6.41E-09	1.85E-09	9.52E-10	2.80E-09
2645	570011.7	4215690	2.71E-08	1.54E-08	4.25E-08	4.14E-09	2.34E-09	6.48E-09	1.87E-09	9.63E-10	2.83E-09
2646	570021	4215688	2.75E-08	1.56E-08	4.30E-08	4.19E-09	2.37E-09	6.56E-09	1.89E-09	9.74E-10	2.87E-09
2647	570030.3	4215687	2.78E-08	1.58E-08	4.36E-08	4.25E-09	2.40E-09	6.65E-09	1.92E-09	9.88E-10	2.91E-09
2648	570039.6	4215685	2.83E-08	1.60E-08	4.43E-08	4.32E-09	2.44E-09	6.75E-09	1.95E-09	1.00E-09	2.95E-09
2649	570049	4215683	2.88E-08	1.63E-08	4.51E-08	4.39E-09	2.48E-09	6.87E-09	1.98E-09	1.02E-09	3.00E-09
2650	570058.3	4215682	2.93E-08	1.66E-08	4.59E-08	4.47E-09	2.52E-09	7.00E-09	2.02E-09	1.04E-09	3.06E-09
2651	570067.6	4215680	2.98E-08	1.69E-08	4.68E-08	4.56E-09	2.57E-09	7.13E-09	2.06E-09	1.06E-09	3.12E-09
2652	570076.9	4215678	3.05E-08	1.73E-08	4.77E-08	4.65E-09	2.62E-09	7.27E-09	2.10E-09	1.08E-09	3.18E-09
2653	570086.2	4215677	3.11E-08	1.76E-08	4.87E-08	4.75E-09	2.68E-09	7.43E-09	2.14E-09	1.10E-09	3.25E-09
2654	570095.5	4215675	3.18E-08	1.80E-08	4.98E-08	4.86E-09	2.74E-09	7.60E-09	2.19E-09	1.13E-09	3.32E-09
2655	570104.9	4215673	3.26E-08	1.85E-08	5.10E-08	4.97E-09	2.81E-09	7.78E-09	2.24E-09	1.16E-09	3.40E-09
2656	569939.3	4215709	2.47E-08	1.40E-08	3.86E-08	3.77E-09	2.13E-09	5.89E-09	1.70E-09	8.75E-10	2.57E-09
2657	569930.3	4215707	2.50E-08	1.41E-08	3.91E-08	3.81E-09	2.15E-09	5.96E-09	1.72E-09	8.85E-10	2.60E-09
2658	569921.3	4215705	2.53E-08	1.43E-08	3.96E-08	3.86E-09	2.18E-09	6.03E-09	1.74E-09	8.96E-10	2.64E-09
2659	569912.3	4215702	2.56E-08	1.45E-08	4.01E-08	3.91E-09	2.20E-09	6.11E-09	1.76E-09	9.07E-10	2.67E-09
2660	569903.3	4215700	2.59E-08	1.47E-08	4.06E-08	3.96E-09	2.23E-09	6.19E-09	1.79E-09	9.19E-10	2.70E-09
2661	569894.3	4215698	2.63E-08	1.49E-08	4.12E-08	4.01E-09	2.26E-09	6.27E-09	1.81E-09	9.32E-10	2.74E-09
2662	569885.3	4215695	2.66E-08	1.51E-08	4.17E-08	4.07E-09	2.30E-09	6.36E-09	1.84E-09	9.45E-10	2.78E-09
2663	569876.3	4215693	2.59E-08	1.47E-08	4.05E-08	3.95E-09	2.23E-09	6.18E-09	1.78E-09	9.18E-10	2.70E-09
2664	569948.3	4215712	2.44E-08	1.38E-08	3.82E-08	3.72E-09	2.10E-09	5.82E-09	1.68E-09	8.65E-10	2.55E-09
2665	569957.6	4215710	2.46E-08	1.39E-08	3.85E-08	3.75E-09	2.12E-09	5.87E-09	1.69E-09	8.71E-10	2.56E-09
2666	569966.9	4215708	2.48E-08	1.40E-08	3.88E-08	3.78E-09	2.13E-09	5.91E-09	1.71E-09	8.78E-10	2.58E-09
2667	569976.2	4215707	2.50E-08	1.41E-08	3.91E-08	3.81E-09	2.15E-09	5.96E-09	1.72E-09	8.85E-10	2.61E-09
2668	569985.5	4215705	2.52E-08	1.43E-08	3.94E-08	3.84E-09	2.17E-09	6.01E-09	1.74E-09	8.93E-10	2.63E-09
2669	569994.8	4215703	2.54E-08	1.44E-08	3.98E-08	3.88E-09	2.19E-09	6.07E-09	1.75E-09	9.02E-10	2.65E-09
2670	570004.2	4215702	2.57E-08	1.45E-08	4.02E-08	3.92E-09	2.21E-09	6.13E-09	1.77E-09	9.10E-10	2.68E-09
2671	570013.5	4215700	2.59E-08	1.47E-08	4.06E-08	3.96E-09	2.23E-09	6.19E-09	1.79E-09	9.19E-10	2.71E-09
2672	570022.8	4215698	2.62E-08	1.48E-08	4.11E-08	4.00E-09	2.26E-09	6.26E-09	1.81E-09	9.30E-10	2.74E-09
2673	570032.1	4215696	2.66E-08	1.51E-08	4.16E-08	4.06E-09	2.29E-09	6.35E-09	1.83E-09	9.42E-10	2.77E-09
2674	570041.4	4215695	2.70E-08	1.53E-08	4.22E-08	4.12E-09	2.32E-09	6.44E-09	1.86E-09	9.57E-10	2.81E-09
2675	570050.7	4215693	2.74E-08	1.55E-08	4.29E-08	4.19E-09	2.36E-09	6.55E-09	1.89E-09	9.72E-10	2.86E-09
2676	570060	4215691	2.79E-08	1.58E-08	4.37E-08	4.26E-09	2.40E-09	6.66E-09	1.92E-09	9.89E-10	2.91E-09
2677	570069.4	4215690	2.84E-08	1.61E-08	4.45E-08	4.34E-09	2.45E-09	6.79E-09	1.96E-09	1.01E-09	2.97E-09
2678	570078.7	4215688	2.90E-08	1.64E-08	4.54E-08	4.42E-09	2.50E-09	6.92E-09	2.00E-09	1.03E-09	3.02E-09
2679	570088	4215686	2.96E-08	1.68E-08	4.64E-08	4.52E-09	2.55E-09	7.07E-09	2.04E-09	1.05E-09	3.09E-09
2680	570097.3	4215685	3.03E-08	1.71E-08	4.74E-08	4.62E-09	2.61E-09	7.23E-09	2.09E-09	1.07E-09	3.16E-09

2681	569941.1	4215719	2.36E-08	1.34E-08	3.70E-08	3.60E-09	2.03E-09	5.64E-09	1.63E-09	8.37E-10	2.46E-09
2682	569932.1	4215717	2.39E-08	1.35E-08	3.74E-08	3.64E-09	2.06E-09	5.70E-09	1.64E-09	8.46E-10	2.49E-09
2683	569923.2	4215715	2.41E-08	1.37E-08	3.78E-08	3.69E-09	2.08E-09	5.77E-09	1.66E-09	8.56E-10	2.52E-09
2684	569914.2	4215712	2.44E-08	1.38E-08	3.83E-08	3.73E-09	2.10E-09	5.83E-09	1.68E-09	8.66E-10	2.55E-09
2685	569905.2	4215710	2.47E-08	1.40E-08	3.87E-08	3.77E-09	2.13E-09	5.90E-09	1.70E-09	8.77E-10	2.58E-09
2686	569896.3	4215708	2.50E-08	1.42E-08	3.92E-08	3.82E-09	2.16E-09	5.98E-09	1.73E-09	8.88E-10	2.61E-09
2687	569887.3	4215705	2.54E-08	1.44E-08	3.98E-08	3.87E-09	2.19E-09	6.06E-09	1.75E-09	9.00E-10	2.65E-09
2688	569878.3	4215703	2.57E-08	1.46E-08	4.03E-08	3.93E-09	2.22E-09	6.14E-09	1.77E-09	9.12E-10	2.69E-09
2689	569869.4	4215701	2.48E-08	1.41E-08	3.89E-08	3.79E-09	2.14E-09	5.93E-09	1.71E-09	8.81E-10	2.59E-09
2690	569950	4215721	2.33E-08	1.32E-08	3.66E-08	3.56E-09	2.01E-09	5.57E-09	1.61E-09	8.28E-10	2.44E-09
2691	569959.4	4215720	2.35E-08	1.33E-08	3.68E-08	3.59E-09	2.02E-09	5.61E-09	1.62E-09	8.33E-10	2.45E-09
2692	569968.7	4215718	2.37E-08	1.34E-08	3.71E-08	3.62E-09	2.04E-09	5.66E-09	1.63E-09	8.40E-10	2.47E-09
2693	569978	4215716	2.39E-08	1.35E-08	3.74E-08	3.65E-09	2.06E-09	5.70E-09	1.64E-09	8.47E-10	2.49E-09
2694	569987.3	4215715	2.41E-08	1.36E-08	3.77E-08	3.68E-09	2.08E-09	5.75E-09	1.66E-09	8.54E-10	2.51E-09
2695	569996.6	4215713	2.43E-08	1.38E-08	3.81E-08	3.71E-09	2.09E-09	5.81E-09	1.68E-09	8.62E-10	2.54E-09
2696	570005.9	4215711	2.45E-08	1.39E-08	3.84E-08	3.75E-09	2.11E-09	5.86E-09	1.69E-09	8.70E-10	2.56E-09
2697	570015.2	4215710	2.48E-08	1.40E-08	3.88E-08	3.78E-09	2.14E-09	5.92E-09	1.71E-09	8.79E-10	2.59E-09
2698	570024.6	4215708	2.51E-08	1.42E-08	3.92E-08	3.83E-09	2.16E-09	5.98E-09	1.73E-09	8.89E-10	2.62E-09
2699	570033.9	4215706	2.54E-08	1.44E-08	3.98E-08	3.88E-09	2.19E-09	6.06E-09	1.75E-09	9.00E-10	2.65E-09
2700	570043.2	4215705	2.58E-08	1.46E-08	4.03E-08	3.93E-09	2.22E-09	6.15E-09	1.77E-09	9.13E-10	2.69E-09
2701	570052.5	4215703	2.62E-08	1.48E-08	4.10E-08	3.99E-09	2.25E-09	6.25E-09	1.80E-09	9.28E-10	2.73E-09
2702	570061.8	4215701	2.66E-08	1.51E-08	4.17E-08	4.06E-09	2.29E-09	6.35E-09	1.83E-09	9.44E-10	2.78E-09
2703	570071.1	4215700	2.71E-08	1.53E-08	4.24E-08	4.14E-09	2.33E-09	6.47E-09	1.87E-09	9.61E-10	2.83E-09
2704	570080.5	4215698	2.76E-08	1.56E-08	4.33E-08	4.22E-09	2.38E-09	6.60E-09	1.90E-09	9.79E-10	2.88E-09
2705	570089.8	4215696	2.82E-08	1.60E-08	4.42E-08	4.31E-09	2.43E-09	6.74E-09	1.94E-09	1.00E-09	2.94E-09
2706	570099.1	4215695	2.88E-08	1.63E-08	4.52E-08	4.40E-09	2.49E-09	6.89E-09	1.99E-09	1.02E-09	3.01E-09
2707	570108.4	4215693	2.95E-08	1.67E-08	4.63E-08	4.51E-09	2.55E-09	7.06E-09	2.04E-09	1.05E-09	3.08E-09
2708	569942.9	4215729	2.26E-08	1.28E-08	3.54E-08	3.45E-09	1.95E-09	5.40E-09	1.56E-09	8.02E-10	2.36E-09
2709	569933.9	4215727	2.28E-08	1.29E-08	3.58E-08	3.49E-09	1.97E-09	5.46E-09	1.57E-09	8.10E-10	2.38E-09
2710	569925	4215724	2.31E-08	1.31E-08	3.62E-08	3.53E-09	1.99E-09	5.52E-09	1.59E-09	8.19E-10	2.41E-09
2711	569916.1	4215722	2.34E-08	1.32E-08	3.66E-08	3.57E-09	2.01E-09	5.58E-09	1.61E-09	8.28E-10	2.44E-09
2712	569907.2	4215720	2.36E-08	1.34E-08	3.70E-08	3.61E-09	2.04E-09	5.64E-09	1.63E-09	8.38E-10	2.47E-09
2713	569898.2	4215717	2.39E-08	1.35E-08	3.75E-08	3.65E-09	2.06E-09	5.71E-09	1.65E-09	8.48E-10	2.50E-09
2714	569889.3	4215715	2.42E-08	1.37E-08	3.79E-08	3.70E-09	2.09E-09	5.78E-09	1.67E-09	8.59E-10	2.53E-09
2715	569880.4	4215713	2.45E-08	1.39E-08	3.84E-08	3.75E-09	2.11E-09	5.86E-09	1.69E-09	8.70E-10	2.56E-09
2716	569871.4	4215711	2.37E-08	1.34E-08	3.72E-08	3.62E-09	2.04E-09	5.67E-09	1.64E-09	8.42E-10	2.48E-09
2717	569862.5	4215708	2.39E-08	1.35E-08	3.74E-08	3.65E-09	2.06E-09	5.71E-09	1.65E-09	8.48E-10	2.49E-09
2718	569591.2	4215444	4.20E-08	2.38E-08	6.58E-08	6.41E-09	3.62E-09	1.00E-08	2.89E-09	1.49E-09	4.38E-09
2719	569951.8	4215731	2.24E-08	1.27E-08	3.50E-08	3.41E-09	1.93E-09	5.34E-09	1.54E-09	7.93E-10	2.33E-09
2720	569961.1	4215730	2.25E-08	1.28E-08	3.53E-08	3.44E-09	1.94E-09	5.38E-09	1.55E-09	7.98E-10	2.35E-09
2721	569970.4	4215728	2.27E-08	1.28E-08	3.55E-08	3.46E-09	1.95E-09	5.42E-09	1.56E-09	8.04E-10	2.37E-09
2722	569979.8	4215726	2.29E-08	1.30E-08	3.58E-08	3.49E-09	1.97E-09	5.46E-09	1.58E-09	8.11E-10	2.39E-09
2723	569989.1	4215725	2.31E-08	1.31E-08	3.61E-08	3.52E-09	1.99E-09	5.51E-09	1.59E-09	8.18E-10	2.41E-09
2724	569998.4	4215723	2.33E-08	1.32E-08	3.65E-08	3.55E-09	2.01E-09	5.56E-09	1.60E-09	8.26E-10	2.43E-09
2725	570007.7	4215721	2.35E-08	1.33E-08	3.68E-08	3.59E-09	2.02E-09	5.61E-09	1.62E-09	8.33E-10	2.45E-09
2726	570017	4215720	2.37E-08	1.34E-08	3.72E-08	3.62E-09	2.04E-09	5.67E-09	1.63E-09	8.42E-10	2.48E-09
2727	570026.3	4215718	2.40E-08	1.36E-08	3.76E-08	3.66E-09	2.07E-09	5.73E-09	1.65E-09	8.51E-10	2.50E-09
2728	570035.6	4215716	2.43E-08	1.38E-08	3.81E-08	3.71E-09	2.09E-09	5.80E-09	1.67E-09	8.62E-10	2.54E-09
2729	570045	4215714	2.46E-08	1.40E-08	3.86E-08	3.76E-09	2.12E-09	5.88E-09	1.70E-09	8.74E-10	2.57E-09
2730	570054.3	4215713	2.50E-08	1.42E-08	3.92E-08	3.82E-09	2.15E-09	5.97E-09	1.72E-09	8.87E-10	2.61E-09
2731	570063.6	4215711	2.54E-08	1.44E-08	3.98E-08	3.88E-09	2.19E-09	6.07E-09	1.75E-09	9.01E-10	2.65E-09
2732	570072.9	4215709	2.59E-08	1.47E-08	4.05E-08	3.95E-09	2.23E-09	6.18E-09	1.78E-09	9.18E-10	2.70E-09
2733	570082.2	4215708	2.64E-08	1.49E-08	4.13E-08	4.02E-09	2.27E-09	6.30E-09	1.82E-09	9.35E-10	2.75E-09
2734	570091.5	4215706	2.69E-08	1.53E-08	4.22E-08	4.11E-09	2.32E-09	6.43E-09	1.86E-09	9.55E-10	2.81E-09
2735	570134.3	4215513	1.20E-07	6.81E-08	1.88E-07	1.84E-08	1.04E-08	2.87E-08	8.29E-09	4.27E-09	1.26E-08
2736	570122.9	4215521	1.05E-07	5.96E-08	1.65E-07	1.61E-08	9.06E-09	2.51E-08	7.25E-09	3.73E-09	1.10E-08
2737	570111.5	4215529	9.36E-08	5.30E-08	1.47E-07	1.43E-08	8.07E-09	2.24E-08	6.45E-09	3.32E-09	9.77E-09
2738	570121.1	4215531	9.43E-08	5.34E-08	1.48E-07	1.44E-08	8.12E-09	2.25E-08	6.50E-09	3.34E-09	9.84E-09
2739	570100.1	4215538	8.49E-08	4.81E-08	1.33E-07	1.30E-08	7.31E-09	2.03E-08	5.85E-09	3.01E-09	8.86E-09
2740	570109.8	4215539	8.48E-08	4.80E-08	1.33E-07	1.29E-08	7.30E-09	2.02E-08	5.84E-09	3.01E-09	8.85E-09
2741	570119.4	4215541	8.53E-08	4.83E-08	1.34E-07	1.30E-08	7.35E-09	2.04E-08	5.88E-09	3.02E-09	8.90E-09

2742	570129	4215543	8.63E-08	4.89E-08	1.35E-07	1.32E-08	7.44E-09	2.06E-08	5.95E-09	3.06E-09	9.01E-09
2743	570098.4	4215547	7.72E-08	4.38E-08	1.21E-07	1.18E-08	6.65E-09	1.84E-08	5.32E-09	2.74E-09	8.06E-09
2744	570108	4215549	7.72E-08	4.37E-08	1.21E-07	1.18E-08	6.65E-09	1.84E-08	5.32E-09	2.74E-09	8.05E-09
2745	570117.7	4215551	7.75E-08	4.39E-08	1.21E-07	1.18E-08	6.68E-09	1.85E-08	5.34E-09	2.75E-09	8.09E-09
2746	570096.7	4215557	7.06E-08	4.00E-08	1.11E-07	1.08E-08	6.08E-09	1.69E-08	4.86E-09	2.50E-09	7.37E-09
2747	570106.3	4215559	7.05E-08	4.00E-08	1.10E-07	1.08E-08	6.08E-09	1.68E-08	4.86E-09	2.50E-09	7.36E-09
2748	570115.9	4215561	7.08E-08	4.01E-08	1.11E-07	1.08E-08	6.10E-09	1.69E-08	4.88E-09	2.51E-09	7.39E-09
2749	570094.9	4215567	6.46E-08	3.66E-08	1.01E-07	9.87E-09	5.57E-09	1.54E-08	4.45E-09	2.29E-09	6.75E-09
2750	570104.6	4215569	6.47E-08	3.66E-08	1.01E-07	9.88E-09	5.57E-09	1.54E-08	4.46E-09	2.29E-09	6.75E-09
2751	570114.2	4215571	6.49E-08	3.68E-08	1.02E-07	9.92E-09	5.60E-09	1.55E-08	4.47E-09	2.30E-09	6.78E-09
2752	570123.8	4215572	6.56E-08	3.72E-08	1.03E-07	1.00E-08	5.66E-09	1.57E-08	4.52E-09	2.33E-09	6.85E-09
2753	570102.8	4215579	5.95E-08	3.37E-08	9.32E-08	9.09E-09	5.13E-09	1.42E-08	4.10E-09	2.11E-09	6.21E-09
2754	570112.5	4215580	5.98E-08	3.39E-08	9.37E-08	9.13E-09	5.15E-09	1.43E-08	4.12E-09	2.12E-09	6.24E-09
2755	570122.1	4215582	6.04E-08	3.42E-08	9.46E-08	9.22E-09	5.20E-09	1.44E-08	4.16E-09	2.14E-09	6.30E-09
2756	570101.1	4215589	5.50E-08	3.12E-08	8.61E-08	8.40E-09	4.74E-09	1.31E-08	3.79E-09	1.95E-09	5.74E-09
2757	570110.7	4215590	5.54E-08	3.14E-08	8.67E-08	8.45E-09	4.77E-09	1.32E-08	3.81E-09	1.96E-09	5.78E-09
2758	570099.3	4215598	5.12E-08	2.90E-08	8.01E-08	7.81E-09	4.41E-09	1.22E-08	3.53E-09	1.81E-09	5.34E-09
2759	570109	4215600	5.15E-08	2.92E-08	8.07E-08	7.87E-09	4.44E-09	1.23E-08	3.55E-09	1.83E-09	5.38E-09
2760	570118.6	4215602	5.20E-08	2.95E-08	8.15E-08	7.94E-09	4.48E-09	1.24E-08	3.58E-09	1.84E-09	5.43E-09
2761	570107.2	4215610	4.81E-08	2.72E-08	7.53E-08	7.34E-09	4.14E-09	1.15E-08	3.31E-09	1.71E-09	5.02E-09
2762	570105.5	4215620	4.49E-08	2.54E-08	7.04E-08	6.86E-09	3.87E-09	1.07E-08	3.10E-09	1.59E-09	4.69E-09
2763	570113.4	4215631	4.23E-08	2.40E-08	6.63E-08	6.47E-09	3.65E-09	1.01E-08	2.92E-09	1.50E-09	4.42E-09
2764	570111.7	4215641	3.97E-08	2.25E-08	6.21E-08	6.06E-09	3.42E-09	9.48E-09	2.73E-09	1.41E-09	4.14E-09
2765	570088.1	4215718	2.53E-08	1.43E-08	3.96E-08	3.86E-09	2.18E-09	6.04E-09	1.74E-09	8.96E-10	2.64E-09
2766	570097.7	4215720	2.54E-08	1.44E-08	3.98E-08	3.88E-09	2.19E-09	6.07E-09	1.75E-09	9.02E-10	2.65E-09

			T2		T2L3		T4f	
			314	570355.74				
			2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.02E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	570176.2	4215489	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
2	570192.2	4215484	1.75E-02	9.92E-03	2.67E-03	1.51E-03	1.21E-03	6.21E-04
3	570208.7	4215477	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
4	570225.2	4215470	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
5	570241.7	4215462	2.60E-02	1.47E-02	3.97E-03	2.24E-03	1.79E-03	9.22E-04
6	570258.2	4215455	2.76E-02	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.78E-04
7	570179.3	4215498	1.37E-02	7.75E-03	2.09E-03	1.18E-03	9.43E-04	4.85E-04
8	570162	4215500	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
9	570196.2	4215493	1.56E-02	8.81E-03	2.37E-03	1.34E-03	1.07E-03	5.52E-04
10	570212.7	4215486	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
11	570229.2	4215479	2.10E-02	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.47E-04
12	570237.5	4215475	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.91E-04
13	570254	4215468	2.44E-02	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
14	570183.7	4215507	1.24E-02	7.00E-03	1.89E-03	1.07E-03	8.52E-04	4.38E-04
15	570167.2	4215509	1.12E-02	6.34E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
16	570150.7	4215511	1.02E-02	5.77E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
17	570200.2	4215503	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
18	570216.7	4215495	1.64E-02	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
19	570225	4215492	1.78E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
20	570241.5	4215484	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.39E-03	7.14E-04
21	570249.8	4215481	2.12E-02	1.20E-02	3.23E-03	1.82E-03	1.46E-03	7.50E-04
22	570266.3	4215473	2.28E-02	1.29E-02	3.48E-03	1.97E-03	1.57E-03	8.09E-04
23	570188.1	4215516	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
24	570172.2	4215518	1.02E-02	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
25	570156.3	4215520	9.32E-03	5.28E-03	1.42E-03	8.03E-04	6.42E-04	3.31E-04
26	570140.5	4215522	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
27	570204.3	4215512	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
28	570220.8	4215504	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
29	570237.3	4215497	1.73E-02	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
30	570253.8	4215490	1.92E-02	1.09E-02	2.93E-03	1.66E-03	1.32E-03	6.82E-04
31	570262.1	4215486	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
32	570191.4	4215526	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.11E-04	3.66E-04
33	570174.1	4215528	9.18E-03	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
34	570156.8	4215530	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
35	570139.4	4215532	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
36	570208.3	4215521	1.18E-02	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
37	570216.6	4215517	1.28E-02	7.22E-03	1.95E-03	1.10E-03	8.79E-04	4.52E-04
38	570233.1	4215510	1.48E-02	8.36E-03	2.25E-03	1.27E-03	1.02E-03	5.24E-04
39	570249.6	4215503	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
40	570266.1	4215495	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
41	570274.4	4215492	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
42	570195.7	4215535	9.57E-03	5.42E-03	1.46E-03	8.24E-04	6.59E-04	3.39E-04
43	570179.1	4215537	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
44	570162.4	4215539	7.82E-03	4.43E-03	1.19E-03	6.74E-04	5.39E-04	2.77E-04
45	570145.7	4215541	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
46	570212.3	4215530	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
47	570228.8	4215523	1.26E-02	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
48	570245.4	4215515	1.45E-02	8.19E-03	2.21E-03	1.25E-03	9.96E-04	5.13E-04

49	570261.9	4215508	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
50	570278.4	4215501	1.75E-02	9.93E-03	2.68E-03	1.51E-03	1.21E-03	6.22E-04
51	570200	4215544	8.90E-03	5.04E-03	1.36E-03	7.67E-04	6.14E-04	3.16E-04
52	570183.9	4215546	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
53	570167.7	4215548	7.32E-03	4.15E-03	1.12E-03	6.31E-04	5.04E-04	2.60E-04
54	570151.5	4215550	6.76E-03	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
55	570135.4	4215552	6.29E-03	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
56	570216.4	4215539	1.01E-02	5.73E-03	1.55E-03	8.72E-04	6.97E-04	3.59E-04
57	570232.9	4215532	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
58	570241.1	4215528	1.25E-02	7.08E-03	1.91E-03	1.08E-03	8.61E-04	4.43E-04
59	570257.6	4215521	1.41E-02	8.01E-03	2.16E-03	1.22E-03	9.75E-04	5.02E-04
60	570274.2	4215514	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
61	570203.5	4215553	8.27E-03	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
62	570186.2	4215555	7.44E-03	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
63	570168.8	4215557	6.73E-03	3.82E-03	1.03E-03	5.80E-04	4.64E-04	2.39E-04
64	570151.5	4215559	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
65	570134.2	4215561	5.74E-03	3.25E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
66	570220.4	4215548	9.43E-03	5.34E-03	1.44E-03	8.13E-04	6.50E-04	3.35E-04
67	570228.6	4215545	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
68	570245.2	4215537	1.16E-02	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
69	570253.4	4215534	1.24E-02	7.02E-03	1.89E-03	1.07E-03	8.53E-04	4.39E-04
70	570269.9	4215526	1.38E-02	7.81E-03	2.11E-03	1.19E-03	9.50E-04	4.89E-04
71	570286.5	4215519	1.50E-02	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
72	570207.8	4215562	7.78E-03	4.41E-03	1.19E-03	6.70E-04	5.36E-04	2.76E-04
73	570191	4215564	7.03E-03	3.98E-03	1.07E-03	6.05E-04	4.84E-04	2.49E-04
74	570174.2	4215566	6.36E-03	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.25E-04
75	570157.4	4215568	5.86E-03	3.32E-03	8.94E-04	5.05E-04	4.03E-04	2.08E-04
76	570140.6	4215570	5.43E-03	3.08E-03	8.29E-04	4.68E-04	3.74E-04	1.93E-04
77	570224.4	4215557	8.82E-03	5.00E-03	1.35E-03	7.60E-04	6.08E-04	3.13E-04
78	570240.9	4215550	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
79	570257.5	4215543	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
80	570274	4215536	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
81	570282.2	4215532	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.25E-04	4.76E-04
82	570211.3	4215571	7.30E-03	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
83	570193.4	4215573	6.56E-03	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
84	570175.6	4215576	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
85	570157.8	4215578	5.41E-03	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
86	570139.9	4215580	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
87	570220.2	4215570	7.70E-03	4.36E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
88	570236.7	4215563	8.86E-03	5.02E-03	1.35E-03	7.64E-04	6.11E-04	3.14E-04
89	570253.2	4215556	1.01E-02	5.72E-03	1.54E-03	8.70E-04	6.96E-04	3.58E-04
90	570269.7	4215548	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
91	570286.3	4215541	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
92	570215.6	4215580	6.89E-03	3.91E-03	1.05E-03	5.94E-04	4.75E-04	2.45E-04
93	570198.3	4215583	6.23E-03	3.53E-03	9.52E-04	5.37E-04	4.29E-04	2.21E-04
94	570180.9	4215585	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
95	570163.6	4215587	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
96	570146.3	4215589	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
97	570129	4215591	4.46E-03	2.52E-03	6.81E-04	3.84E-04	3.07E-04	1.58E-04
98	570232.5	4215576	7.75E-03	4.39E-03	1.18E-03	6.68E-04	5.34E-04	2.75E-04
99	570249	4215568	8.83E-03	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
100	570265.5	4215561	9.96E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04

101	570282	4215554	1.11E-02	6.29E-03	1.70E-03	9.57E-04	7.65E-04	3.94E-04
102	570290.3	4215550	1.16E-02	6.60E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
103	570298.5	4215547	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
104	570219.8	4215590	6.49E-03	3.68E-03	9.92E-04	5.60E-04	4.48E-04	2.30E-04
105	570203	4215592	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
106	570186.1	4215594	5.37E-03	3.04E-03	8.20E-04	4.63E-04	3.70E-04	1.90E-04
107	570169.2	4215596	4.90E-03	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
108	570152.4	4215598	4.55E-03	2.58E-03	6.94E-04	3.92E-04	3.13E-04	1.61E-04
109	570135.5	4215600	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
110	570236.5	4215585	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
111	570253	4215578	8.14E-03	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
112	570261.3	4215574	8.65E-03	4.90E-03	1.32E-03	7.45E-04	5.96E-04	3.07E-04
113	570277.8	4215567	9.72E-03	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
114	570294.3	4215559	1.08E-02	6.12E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
115	570223.4	4215599	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
116	570205.7	4215601	5.54E-03	3.14E-03	8.46E-04	4.77E-04	3.82E-04	1.97E-04
117	570187.9	4215603	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
118	570170.1	4215605	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
119	570161.3	4215606	4.40E-03	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
120	570143.5	4215608	4.09E-03	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
121	570125.8	4215611	3.86E-03	2.19E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04
122	570232.3	4215598	6.32E-03	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
123	570248.8	4215590	7.12E-03	4.03E-03	1.09E-03	6.13E-04	4.90E-04	2.52E-04
124	570265.3	4215583	7.49E-03	4.24E-03	1.14E-03	6.45E-04	5.16E-04	2.66E-04
125	570281.8	4215576	8.99E-03	5.09E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
126	570290.1	4215572	9.49E-03	5.38E-03	1.45E-03	8.18E-04	6.54E-04	3.37E-04
127	570298.4	4215569	9.99E-03	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.54E-04
128	570227.7	4215608	5.69E-03	3.23E-03	8.70E-04	4.91E-04	3.92E-04	2.02E-04
129	570210.4	4215610	5.26E-03	2.98E-03	8.03E-04	4.53E-04	3.62E-04	1.87E-04
130	570193	4215612	4.80E-03	2.72E-03	7.33E-04	4.14E-04	3.31E-04	1.70E-04
131	570175.7	4215614	4.38E-03	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
132	570158.4	4215616	4.06E-03	2.30E-03	6.20E-04	3.50E-04	2.80E-04	1.44E-04
133	570141.1	4215618	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
134	570123.8	4215620	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
135	570244.6	4215603	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
136	570261.1	4215596	6.52E-03	3.69E-03	9.95E-04	5.62E-04	4.49E-04	2.31E-04
137	570277.6	4215589	7.31E-03	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
138	570294.1	4215581	8.29E-03	4.70E-03	1.27E-03	7.14E-04	5.71E-04	2.94E-04
139	570302.4	4215578	8.89E-03	5.03E-03	1.36E-03	7.66E-04	6.12E-04	3.15E-04
140	570231.9	4215617	5.35E-03	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
141	570215	4215619	4.99E-03	2.83E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
142	570198	4215621	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
143	570181.1	4215623	4.19E-03	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
144	570164.2	4215625	3.88E-03	2.20E-03	5.93E-04	3.34E-04	2.67E-04	1.38E-04
145	570147.3	4215627	3.63E-03	2.06E-03	5.55E-04	3.13E-04	2.50E-04	1.29E-04
146	570130.3	4215629	3.44E-03	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
147	570248.6	4215612	5.50E-03	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
148	570256.9	4215609	5.76E-03	3.26E-03	8.80E-04	4.96E-04	3.97E-04	2.04E-04
149	570273.4	4215601	6.42E-03	3.64E-03	9.81E-04	5.53E-04	4.43E-04	2.28E-04
150	570289.9	4215594	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
151	570298.2	4215591	7.65E-03	4.34E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
152	570314.7	4215583	8.67E-03	4.91E-03	1.32E-03	7.47E-04	5.97E-04	3.08E-04

153	570235.5	4215626	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
154	570226.7	4215627	4.86E-03	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
155	570209	4215629	4.49E-03	2.54E-03	6.85E-04	3.87E-04	3.09E-04	1.59E-04
156	570191.3	4215632	4.11E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
157	570173.6	4215634	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
158	570164.8	4215635	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
159	570147.1	4215637	3.41E-03	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
160	570129.4	4215639	3.23E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
161	570252.6	4215622	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
162	570269.2	4215614	5.66E-03	3.21E-03	8.65E-04	4.88E-04	3.90E-04	2.01E-04
163	570285.7	4215607	6.36E-03	3.61E-03	9.72E-04	5.48E-04	4.39E-04	2.26E-04
164	570302.2	4215600	7.18E-03	4.07E-03	1.10E-03	6.19E-04	4.95E-04	2.55E-04
165	570318.7	4215592	8.08E-03	4.58E-03	1.23E-03	6.96E-04	5.57E-04	2.86E-04
166	570239.8	4215635	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
167	570222.5	4215637	4.45E-03	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
168	570205.1	4215640	4.09E-03	2.32E-03	6.25E-04	3.52E-04	2.82E-04	1.45E-04
169	570187.8	4215642	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
170	570170.5	4215644	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
171	570153.2	4215646	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
172	570135.9	4215648	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
173	570118.6	4215650	2.95E-03	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
174	570256.7	4215631	5.22E-03	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
175	570273.2	4215623	5.39E-03	3.05E-03	8.22E-04	4.64E-04	3.71E-04	1.91E-04
176	570281.5	4215620	5.67E-03	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
177	570298	4215612	6.34E-03	3.59E-03	9.68E-04	5.46E-04	4.37E-04	2.25E-04
178	570306.2	4215609	6.76E-03	3.83E-03	1.03E-03	5.82E-04	4.66E-04	2.40E-04
179	570314.5	4215605	7.18E-03	4.06E-03	1.10E-03	6.18E-04	4.94E-04	2.55E-04
180	570244	4215644	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
181	570227	4215647	4.23E-03	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
182	570210	4215649	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
183	570193	4215651	3.60E-03	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
184	570176.1	4215653	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
185	570159.1	4215655	3.14E-03	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
186	570142.1	4215657	2.97E-03	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
187	570125.2	4215659	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
188	570260.7	4215640	4.93E-03	2.79E-03	7.53E-04	4.25E-04	3.40E-04	1.75E-04
189	570269	4215636	5.20E-03	2.95E-03	7.94E-04	4.48E-04	3.59E-04	1.85E-04
190	570277.2	4215633	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
191	570293.7	4215625	5.69E-03	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
192	570310.3	4215618	6.39E-03	3.62E-03	9.75E-04	5.50E-04	4.40E-04	2.27E-04
193	570326.8	4215611	7.42E-03	4.21E-03	1.13E-03	6.40E-04	5.12E-04	2.63E-04
194	570247.7	4215654	4.29E-03	2.43E-03	6.55E-04	3.70E-04	2.96E-04	1.52E-04
195	570230	4215656	3.98E-03	2.26E-03	6.08E-04	3.43E-04	2.74E-04	1.41E-04
196	570212.4	4215658	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
197	570194.7	4215660	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
198	570177.1	4215662	3.15E-03	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
199	570159.4	4215664	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
200	570141.7	4215666	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.93E-04	9.96E-05
201	570124.1	4215669	2.68E-03	1.52E-03	4.09E-04	2.31E-04	1.84E-04	9.50E-05
202	570264.7	4215649	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
203	570281.3	4215642	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
204	570297.8	4215634	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04

205	570314.3	4215627	6.36E-03	3.60E-03	9.70E-04	5.48E-04	4.38E-04	2.25E-04
206	570330.8	4215620	6.98E-03	3.95E-03	1.07E-03	6.01E-04	4.81E-04	2.48E-04
207	570251.9	4215663	4.07E-03	2.31E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
208	570234.6	4215665	3.78E-03	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04
209	570217.2	4215667	3.50E-03	1.98E-03	5.35E-04	3.02E-04	2.41E-04	1.24E-04
210	570199.9	4215669	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
211	570182.6	4215671	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
212	570165.3	4215673	2.85E-03	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
213	570148	4215675	2.71E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.60E-05
214	570130.7	4215677	2.58E-03	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
215	570113.4	4215680	2.47E-03	1.40E-03	3.78E-04	2.13E-04	1.70E-04	8.77E-05
216	570268.8	4215658	4.44E-03	2.51E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
217	570277	4215654	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
218	570293.6	4215647	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
219	570310.1	4215640	5.71E-03	3.23E-03	8.72E-04	4.92E-04	3.93E-04	2.03E-04
220	570326.6	4215633	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
221	570256	4215672	3.85E-03	2.18E-03	5.88E-04	3.32E-04	2.65E-04	1.37E-04
222	570239	4215674	3.58E-03	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
223	570222	4215676	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
224	570205	4215678	3.11E-03	1.76E-03	4.74E-04	2.68E-04	2.14E-04	1.10E-04
225	570188	4215680	2.91E-03	1.65E-03	4.44E-04	2.50E-04	2.00E-04	1.03E-04
226	570171	4215682	2.74E-03	1.55E-03	4.18E-04	2.36E-04	1.89E-04	9.71E-05
227	570154	4215684	2.60E-03	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
228	570137	4215686	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
229	570120	4215688	2.39E-03	1.35E-03	3.64E-04	2.06E-04	1.64E-04	8.47E-05
230	570272.8	4215667	4.21E-03	2.38E-03	6.43E-04	3.63E-04	2.90E-04	1.49E-04
231	570281.1	4215664	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
232	570297.6	4215656	4.90E-03	2.77E-03	7.48E-04	4.22E-04	3.38E-04	1.74E-04
233	570305.8	4215653	5.14E-03	2.91E-03	7.86E-04	4.43E-04	3.55E-04	1.82E-04
234	570314.1	4215649	5.40E-03	3.06E-03	8.24E-04	4.65E-04	3.72E-04	1.92E-04
235	570330.6	4215642	5.93E-03	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.10E-04
236	570338.9	4215638	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
237	570259.8	4215681	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
238	570242.2	4215683	3.37E-03	1.91E-03	5.15E-04	2.91E-04	2.32E-04	1.20E-04
239	570224.5	4215685	3.14E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
240	570206.9	4215687	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
241	570189.3	4215690	2.75E-03	1.56E-03	4.19E-04	2.37E-04	1.89E-04	9.74E-05
242	570171.7	4215692	2.59E-03	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.20E-05
243	570154.1	4215694	2.47E-03	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
244	570136.5	4215696	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
245	570118.8	4215698	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
246	570276.8	4215676	3.98E-03	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
247	570285.1	4215673	4.19E-03	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
248	570293.4	4215669	4.41E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
249	570309.9	4215662	4.87E-03	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
250	570318.1	4215658	5.11E-03	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
251	570334.6	4215651	5.60E-03	3.17E-03	8.55E-04	4.83E-04	3.86E-04	1.99E-04
252	570264	4215690	3.43E-03	1.94E-03	5.24E-04	2.95E-04	2.36E-04	1.22E-04
253	570246.6	4215692	3.19E-03	1.81E-03	4.87E-04	2.75E-04	2.20E-04	1.13E-04
254	570229.3	4215694	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
255	570212	4215697	2.79E-03	1.58E-03	4.26E-04	2.40E-04	1.92E-04	9.90E-05
256	570194.7	4215699	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05

257	570177.4	4215701	2.50E-03	1.42E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
258	570160.1	4215703	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.44E-05
259	570142.8	4215705	2.28E-03	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.07E-05
260	570125.5	4215707	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
261	570108.1	4215709	2.11E-03	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.48E-05
262	570280.9	4215686	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
263	570297.4	4215678	4.16E-03	2.36E-03	6.35E-04	3.59E-04	2.87E-04	1.48E-04
264	570305.6	4215675	4.38E-03	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
265	570322.2	4215667	4.83E-03	2.73E-03	7.37E-04	4.16E-04	3.33E-04	1.71E-04
266	570330.4	4215664	5.05E-03	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
267	570346.9	4215656	5.51E-03	3.12E-03	8.41E-04	4.74E-04	3.79E-04	1.95E-04
268	570267.7	4215699	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
269	570249.8	4215702	3.00E-03	1.70E-03	4.58E-04	2.59E-04	2.07E-04	1.06E-04
270	570231.9	4215704	2.80E-03	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
271	570223	4215705	2.71E-03	1.54E-03	4.14E-04	2.33E-04	1.87E-04	9.61E-05
272	570214	4215706	2.63E-03	1.49E-03	4.01E-04	2.27E-04	1.81E-04	9.33E-05
273	570196.1	4215708	2.49E-03	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.84E-05
274	570178.3	4215710	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.43E-05
275	570169.3	4215711	2.32E-03	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
276	570151.4	4215713	2.22E-03	1.26E-03	3.38E-04	1.91E-04	1.53E-04	7.86E-05
277	570133.5	4215716	2.12E-03	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
278	570115.6	4215718	2.05E-03	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.26E-05
279	570284.9	4215695	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
280	570293.2	4215691	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
281	570309.7	4215684	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
282	570317.9	4215680	4.34E-03	2.46E-03	6.63E-04	3.74E-04	2.99E-04	1.54E-04
283	570334.5	4215673	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
284	570342.7	4215669	4.98E-03	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
285	570282.2	4215444	2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.94E-03	9.97E-04
286	570275.6	4215451	2.73E-02	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04
287	570268.9	4215458	2.63E-02	1.49E-02	4.02E-03	2.27E-03	1.81E-03	9.34E-04
288	570298.6	4215441	2.68E-02	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
289	570292.2	4215447	2.64E-02	1.50E-02	4.03E-03	2.28E-03	1.82E-03	9.37E-04
290	570285.7	4215454	2.58E-02	1.46E-02	3.95E-03	2.23E-03	1.78E-03	9.16E-04
291	570279.2	4215460	2.51E-02	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.89E-04
292	570272.8	4215467	2.41E-02	1.36E-02	3.68E-03	2.07E-03	1.66E-03	8.54E-04
293	570308.3	4215444	2.53E-02	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.98E-04
294	570302	4215450	2.50E-02	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
295	570295.6	4215457	2.44E-02	1.39E-02	3.73E-03	2.11E-03	1.68E-03	8.67E-04
296	570289.3	4215463	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.45E-04
297	570276.6	4215476	2.20E-02	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.79E-04
298	570322.7	4215443	2.40E-02	1.36E-02	3.67E-03	2.07E-03	1.66E-03	8.53E-04
299	570315.8	4215450	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
300	570308.9	4215457	2.35E-02	1.33E-02	3.59E-03	2.02E-03	1.62E-03	8.33E-04
301	570302	4215464	2.29E-02	1.30E-02	3.50E-03	1.98E-03	1.58E-03	8.14E-04
302	570295.1	4215471	2.22E-02	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.88E-04
303	570288.2	4215478	2.13E-02	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.55E-04
304	570281.3	4215485	2.02E-02	1.15E-02	3.09E-03	1.74E-03	1.39E-03	7.18E-04
305	570339	4215439	2.25E-02	1.28E-02	3.44E-03	1.94E-03	1.55E-03	7.98E-04
306	570332.2	4215446	2.26E-02	1.28E-02	3.46E-03	1.95E-03	1.56E-03	8.03E-04
307	570325.5	4215453	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
308	570318.8	4215460	2.23E-02	1.26E-02	3.41E-03	1.92E-03	1.54E-03	7.91E-04

309	570312	4215467	2.19E-02	1.24E-02	3.34E-03	1.88E-03	1.51E-03	7.76E-04
310	570305.3	4215474	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
311	570298.6	4215480	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
312	570291.8	4215487	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
313	570285.1	4215494	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
314	570355.7	4215399	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.02E-04
315	570355.5	4215408	2.22E-02	1.26E-02	3.38E-03	1.91E-03	1.53E-03	7.86E-04
316	570355.3	4215418	2.18E-02	1.24E-02	3.33E-03	1.88E-03	1.50E-03	7.74E-04
317	570348.3	4215443	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.46E-03	7.54E-04
318	570341.7	4215450	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
319	570335.1	4215457	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
320	570328.5	4215463	2.12E-02	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.53E-04
321	570322	4215470	2.09E-02	1.18E-02	3.19E-03	1.80E-03	1.44E-03	7.40E-04
322	570315.4	4215477	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
323	570308.8	4215483	1.98E-02	1.12E-02	3.02E-03	1.70E-03	1.36E-03	7.01E-04
324	570302.2	4215490	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
325	570295.6	4215497	1.81E-02	1.03E-02	2.76E-03	1.56E-03	1.25E-03	6.42E-04
326	570289	4215503	1.72E-02	9.73E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
327	570365.1	4215394	2.16E-02	1.23E-02	3.30E-03	1.86E-03	1.49E-03	7.67E-04
328	570364.9	4215404	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
329	570364.7	4215413	2.10E-02	1.19E-02	3.20E-03	1.81E-03	1.44E-03	7.43E-04
330	570357.6	4215447	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.15E-04
331	570351.2	4215454	2.04E-02	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
332	570344.7	4215460	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
333	570338.2	4215467	2.03E-02	1.15E-02	3.09E-03	1.75E-03	1.40E-03	7.19E-04
334	570331.8	4215473	2.00E-02	1.13E-02	3.05E-03	1.72E-03	1.38E-03	7.08E-04
335	570325.3	4215480	1.96E-02	1.11E-02	2.99E-03	1.68E-03	1.35E-03	6.94E-04
336	570318.8	4215486	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
337	570312.3	4215493	1.84E-02	1.04E-02	2.81E-03	1.58E-03	1.27E-03	6.52E-04
338	570305.9	4215499	1.76E-02	9.98E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
339	570299.4	4215506	1.68E-02	9.52E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
340	570292.9	4215513	1.59E-02	9.02E-03	2.43E-03	1.37E-03	1.10E-03	5.65E-04
341	570374.4	4215395	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
342	570374.2	4215405	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.16E-04
343	570374	4215415	1.99E-02	1.13E-02	3.04E-03	1.72E-03	1.37E-03	7.07E-04
344	570366.4	4215451	1.92E-02	1.09E-02	2.93E-03	1.65E-03	1.32E-03	6.81E-04
345	570359.5	4215458	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
346	570352.6	4215465	1.95E-02	1.10E-02	2.97E-03	1.68E-03	1.34E-03	6.91E-04
347	570345.7	4215472	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
348	570338.8	4215479	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
349	570331.9	4215486	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
350	570325	4215493	1.80E-02	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
351	570318.1	4215500	1.73E-02	9.82E-03	2.65E-03	1.49E-03	1.19E-03	6.15E-04
352	570311.2	4215507	1.66E-02	9.38E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
353	570304.3	4215514	1.57E-02	8.91E-03	2.40E-03	1.36E-03	1.08E-03	5.58E-04
354	570297.4	4215521	1.48E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
355	570383.8	4215390	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
356	570383.6	4215400	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.87E-04
357	570383.4	4215410	1.91E-02	1.08E-02	2.92E-03	1.65E-03	1.32E-03	6.79E-04
358	570382.7	4215439	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
359	570375.8	4215455	1.83E-02	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.48E-04
360	570369	4215462	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04

361	570362.2	4215469	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
362	570355.4	4215476	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04
363	570348.7	4215483	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
364	570341.9	4215489	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
365	570335.1	4215496	1.74E-02	9.86E-03	2.66E-03	1.50E-03	1.20E-03	6.18E-04
366	570328.4	4215503	1.68E-02	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
367	570321.6	4215510	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
368	570314.8	4215517	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
369	570308.1	4215524	1.46E-02	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
370	570301.3	4215531	1.38E-02	7.83E-03	2.11E-03	1.19E-03	9.53E-04	4.90E-04
371	570393	4215395	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
372	570392.8	4215405	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
373	570392.6	4215414	1.82E-02	1.03E-02	2.77E-03	1.57E-03	1.25E-03	6.44E-04
374	570392	4215443	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
375	570385.1	4215459	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
376	570378.4	4215466	1.76E-02	9.99E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
377	570371.8	4215472	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
378	570365.1	4215479	1.76E-02	1.00E-02	2.69E-03	1.52E-03	1.22E-03	6.26E-04
379	570358.5	4215486	1.75E-02	9.91E-03	2.67E-03	1.51E-03	1.21E-03	6.20E-04
380	570351.8	4215493	1.72E-02	9.75E-03	2.63E-03	1.48E-03	1.19E-03	6.11E-04
381	570345.1	4215499	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
382	570338.5	4215506	1.63E-02	9.23E-03	2.49E-03	1.40E-03	1.12E-03	5.78E-04
383	570331.8	4215513	1.57E-02	8.89E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
384	570325.2	4215520	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
385	570318.5	4215526	1.43E-02	8.10E-03	2.18E-03	1.23E-03	9.86E-04	5.07E-04
386	570311.9	4215533	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
387	570305.2	4215540	1.29E-02	7.31E-03	1.97E-03	1.11E-03	8.89E-04	4.58E-04
388	570402.4	4215391	1.77E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
389	570402.2	4215400	1.76E-02	9.97E-03	2.69E-03	1.52E-03	1.21E-03	6.24E-04
390	570402	4215409	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
391	570401.2	4215447	1.66E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
392	570394.4	4215463	1.66E-02	9.42E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
393	570387.8	4215469	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
394	570381.3	4215476	1.69E-02	9.57E-03	2.58E-03	1.46E-03	1.16E-03	5.99E-04
395	570374.7	4215483	1.69E-02	9.56E-03	2.58E-03	1.45E-03	1.16E-03	5.99E-04
396	570368.2	4215489	1.68E-02	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
397	570361.6	4215496	1.65E-02	9.37E-03	2.53E-03	1.42E-03	1.14E-03	5.87E-04
398	570355	4215503	1.62E-02	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
399	570348.5	4215509	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
400	570341.9	4215516	1.53E-02	8.64E-03	2.33E-03	1.31E-03	1.05E-03	5.41E-04
401	570335.4	4215523	1.47E-02	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
402	570328.8	4215529	1.40E-02	7.94E-03	2.14E-03	1.21E-03	9.66E-04	4.97E-04
403	570322.3	4215536	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
404	570315.7	4215542	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.51E-04
405	570309.1	4215549	1.20E-02	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.27E-04
406	570411.7	4215391	1.69E-02	9.59E-03	2.58E-03	1.46E-03	1.17E-03	6.00E-04
407	570411.5	4215401	1.68E-02	9.51E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
408	570411.3	4215411	1.67E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.91E-04
409	570410.6	4215440	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
410	570410.4	4215450	1.59E-02	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
411	570403.3	4215467	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.09E-03	5.63E-04
412	570396.3	4215474	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04

413	570389.4	4215481	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
414	570382.5	4215488	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
415	570375.6	4215495	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.68E-04
416	570368.7	4215502	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.59E-04
417	570361.8	4215509	1.54E-02	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
418	570354.9	4215516	1.50E-02	8.52E-03	2.30E-03	1.30E-03	1.04E-03	5.33E-04
419	570348	4215523	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
420	570341.1	4215530	1.39E-02	7.88E-03	2.12E-03	1.20E-03	9.59E-04	4.94E-04
421	570334.2	4215537	1.33E-02	7.53E-03	2.03E-03	1.15E-03	9.16E-04	4.71E-04
422	570327.3	4215544	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
423	570320.4	4215551	1.20E-02	6.77E-03	1.82E-03	1.03E-03	8.23E-04	4.24E-04
424	570313.5	4215558	1.12E-02	6.37E-03	1.72E-03	9.69E-04	7.75E-04	3.99E-04
425	570421.1	4215386	1.62E-02	9.18E-03	2.47E-03	1.40E-03	1.12E-03	5.75E-04
426	570420.9	4215396	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
427	570420.7	4215406	1.60E-02	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
428	570420.5	4215415	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
429	570419.8	4215444	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
430	570419.6	4215454	1.52E-02	8.60E-03	2.32E-03	1.31E-03	1.05E-03	5.39E-04
431	570412.6	4215471	1.52E-02	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
432	570405.8	4215478	1.53E-02	8.66E-03	2.33E-03	1.32E-03	1.05E-03	5.42E-04
433	570399	4215484	1.54E-02	8.71E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
434	570392.2	4215491	1.54E-02	8.73E-03	2.35E-03	1.33E-03	1.06E-03	5.47E-04
435	570385.4	4215498	1.54E-02	8.71E-03	2.35E-03	1.32E-03	1.06E-03	5.45E-04
436	570378.6	4215505	1.52E-02	8.59E-03	2.31E-03	1.31E-03	1.04E-03	5.38E-04
437	570371.8	4215512	1.49E-02	8.42E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
438	570365	4215519	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
439	570358.2	4215526	1.41E-02	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
440	570351.4	4215533	1.36E-02	7.70E-03	2.08E-03	1.17E-03	9.37E-04	4.82E-04
441	570344.6	4215540	1.30E-02	7.38E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
442	570337.8	4215547	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
443	570331	4215553	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.12E-04	4.18E-04
444	570324.2	4215560	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
445	570317.4	4215567	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
446	570430.5	4215382	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
447	570430.3	4215391	1.55E-02	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
448	570430.1	4215401	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
449	570429.9	4215410	1.53E-02	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
450	570429.2	4215439	1.49E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
451	570429	4215449	1.47E-02	8.32E-03	2.24E-03	1.27E-03	1.01E-03	5.21E-04
452	570428.8	4215458	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
453	570421.9	4215474	1.44E-02	8.17E-03	2.20E-03	1.24E-03	9.94E-04	5.12E-04
454	570415.2	4215481	1.46E-02	8.26E-03	2.23E-03	1.26E-03	1.01E-03	5.17E-04
455	570408.5	4215488	1.47E-02	8.32E-03	2.24E-03	1.26E-03	1.01E-03	5.21E-04
456	570401.8	4215495	1.47E-02	8.34E-03	2.25E-03	1.27E-03	1.01E-03	5.22E-04
457	570395.1	4215502	1.47E-02	8.31E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
458	570388.4	4215508	1.45E-02	8.23E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
459	570381.7	4215515	1.43E-02	8.11E-03	2.19E-03	1.23E-03	9.86E-04	5.08E-04
460	570375	4215522	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
461	570368.3	4215529	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
462	570361.6	4215536	1.32E-02	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
463	570354.9	4215542	1.27E-02	7.20E-03	1.94E-03	1.10E-03	8.76E-04	4.51E-04
464	570348.2	4215549	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04

465	570341.5	4215556	1.16E-02	6.57E-03	1.77E-03	9.99E-04	7.99E-04	4.11E-04
466	570334.8	4215563	1.10E-02	6.23E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
467	570328.1	4215570	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
468	570321.4	4215576	9.70E-03	5.50E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
469	570439.7	4215387	1.48E-02	8.38E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
470	570439.5	4215396	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.24E-04
471	570439.3	4215406	1.47E-02	8.35E-03	2.25E-03	1.27E-03	1.02E-03	5.23E-04
472	570439.1	4215415	1.46E-02	8.29E-03	2.24E-03	1.26E-03	1.01E-03	5.19E-04
473	570438.4	4215443	1.42E-02	8.04E-03	2.17E-03	1.22E-03	9.78E-04	5.03E-04
474	570438.2	4215453	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
475	570438	4215462	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
476	570431.2	4215478	1.37E-02	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
477	570424.6	4215485	1.39E-02	7.86E-03	2.12E-03	1.20E-03	9.56E-04	4.92E-04
478	570417.9	4215492	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.64E-04	4.96E-04
479	570411.3	4215498	1.40E-02	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
480	570404.7	4215505	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
481	570398.1	4215512	1.39E-02	7.87E-03	2.12E-03	1.20E-03	9.58E-04	4.93E-04
482	570391.5	4215519	1.37E-02	7.78E-03	2.10E-03	1.18E-03	9.46E-04	4.87E-04
483	570384.9	4215525	1.35E-02	7.64E-03	2.06E-03	1.16E-03	9.30E-04	4.79E-04
484	570378.2	4215532	1.32E-02	7.45E-03	2.01E-03	1.13E-03	9.07E-04	4.67E-04
485	570371.6	4215539	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
486	570365	4215545	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
487	570358.4	4215552	1.19E-02	6.73E-03	1.81E-03	1.02E-03	8.19E-04	4.22E-04
488	570351.8	4215559	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.03E-04
489	570345.2	4215566	1.08E-02	6.13E-03	1.65E-03	9.32E-04	7.45E-04	3.84E-04
490	570338.6	4215572	1.02E-02	5.80E-03	1.56E-03	8.82E-04	7.05E-04	3.63E-04
491	570331.9	4215579	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
492	570325.3	4215586	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
493	570449.2	4215377	1.42E-02	8.03E-03	2.16E-03	1.22E-03	9.77E-04	5.03E-04
494	570449	4215387	1.42E-02	8.03E-03	2.17E-03	1.22E-03	9.77E-04	5.03E-04
495	570448.8	4215397	1.42E-02	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
496	570448.5	4215407	1.41E-02	7.99E-03	2.15E-03	1.22E-03	9.72E-04	5.00E-04
497	570448.3	4215416	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
498	570447.7	4215446	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
499	570447.4	4215456	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.24E-04	4.76E-04
500	570447.2	4215466	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
501	570440.1	4215482	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
502	570433.2	4215489	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
503	570426.3	4215496	1.33E-02	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.73E-04
504	570419.4	4215503	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
505	570412.5	4215510	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
506	570405.6	4215517	1.33E-02	7.52E-03	2.03E-03	1.14E-03	9.14E-04	4.71E-04
507	570398.7	4215524	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
508	570391.8	4215531	1.28E-02	7.28E-03	1.96E-03	1.11E-03	8.85E-04	4.56E-04
509	570384.9	4215538	1.25E-02	7.10E-03	1.91E-03	1.08E-03	8.63E-04	4.44E-04
510	570378	4215546	1.21E-02	6.88E-03	1.86E-03	1.05E-03	8.37E-04	4.31E-04
511	570371.1	4215553	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
512	570364.2	4215560	1.13E-02	6.38E-03	1.72E-03	9.70E-04	7.76E-04	3.99E-04
513	570357.3	4215567	1.08E-02	6.09E-03	1.64E-03	9.26E-04	7.41E-04	3.81E-04
514	570350.4	4215574	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
515	570343.5	4215581	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
516	570336.5	4215588	9.05E-03	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04

517	570329.6	4215595	8.48E-03	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
518	570458.6	4215373	1.36E-02	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
519	570458.4	4215382	1.36E-02	7.71E-03	2.08E-03	1.17E-03	9.38E-04	4.83E-04
520	570458.2	4215392	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
521	570458	4215402	1.35E-02	7.66E-03	2.06E-03	1.16E-03	9.31E-04	4.79E-04
522	570457.7	4215411	1.34E-02	7.61E-03	2.05E-03	1.16E-03	9.26E-04	4.77E-04
523	570457.1	4215441	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
524	570456.9	4215450	1.29E-02	7.34E-03	1.98E-03	1.12E-03	8.92E-04	4.59E-04
525	570456.6	4215460	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
526	570456.4	4215470	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
527	570449.4	4215486	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
528	570442.6	4215493	1.26E-02	7.13E-03	1.92E-03	1.09E-03	8.68E-04	4.47E-04
529	570435.8	4215500	1.27E-02	7.18E-03	1.94E-03	1.09E-03	8.74E-04	4.50E-04
530	570429	4215507	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.52E-04
531	570422.1	4215514	1.27E-02	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04
532	570415.3	4215521	1.27E-02	7.20E-03	1.94E-03	1.09E-03	8.76E-04	4.51E-04
533	570408.5	4215528	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
534	570401.7	4215535	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
535	570394.9	4215542	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
536	570388.1	4215548	1.18E-02	6.66E-03	1.80E-03	1.01E-03	8.11E-04	4.17E-04
537	570381.3	4215555	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
538	570374.5	4215562	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
539	570367.6	4215569	1.05E-02	5.96E-03	1.61E-03	9.06E-04	7.25E-04	3.73E-04
540	570360.8	4215576	1.00E-02	5.69E-03	1.53E-03	8.65E-04	6.92E-04	3.56E-04
541	570354	4215583	9.53E-03	5.40E-03	1.45E-03	8.21E-04	6.57E-04	3.38E-04
542	570347.2	4215590	9.00E-03	5.10E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
543	570340.4	4215597	8.46E-03	4.80E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
544	570333.6	4215604	7.94E-03	4.50E-03	1.21E-03	6.84E-04	5.47E-04	2.82E-04
545	570468	4215368	1.31E-02	7.44E-03	2.01E-03	1.13E-03	9.05E-04	4.66E-04
546	570467.8	4215378	1.31E-02	7.43E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
547	570467.6	4215387	1.31E-02	7.40E-03	1.99E-03	1.12E-03	9.00E-04	4.63E-04
548	570467.4	4215397	1.30E-02	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
549	570467.1	4215407	1.29E-02	7.30E-03	1.97E-03	1.11E-03	8.88E-04	4.57E-04
550	570466.9	4215416	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
551	570466.3	4215445	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
552	570466.1	4215454	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
553	570465.8	4215464	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
554	570465.6	4215474	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
555	570458.7	4215490	1.19E-02	6.71E-03	1.81E-03	1.02E-03	8.17E-04	4.20E-04
556	570452	4215497	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
557	570445.2	4215504	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
558	570438.5	4215511	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
559	570431.8	4215517	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
560	570425	4215524	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
561	570418.3	4215531	1.20E-02	6.82E-03	1.84E-03	1.04E-03	8.30E-04	4.27E-04
562	570411.6	4215538	1.19E-02	6.74E-03	1.82E-03	1.02E-03	8.19E-04	4.22E-04
563	570404.8	4215545	1.17E-02	6.60E-03	1.78E-03	1.00E-03	8.03E-04	4.13E-04
564	570398.1	4215552	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.04E-04
565	570391.4	4215558	1.10E-02	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
566	570384.7	4215565	1.07E-02	6.05E-03	1.63E-03	9.19E-04	7.35E-04	3.79E-04
567	570377.9	4215572	1.03E-02	5.82E-03	1.57E-03	8.85E-04	7.08E-04	3.64E-04
568	570371.2	4215579	9.84E-03	5.57E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04

569	570364.5	4215586	9.39E-03	5.32E-03	1.43E-03	8.09E-04	6.47E-04	3.33E-04
570	570357.7	4215593	8.91E-03	5.05E-03	1.36E-03	7.68E-04	6.14E-04	3.16E-04
571	570351	4215599	8.42E-03	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
572	570344.3	4215606	7.93E-03	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
573	570337.5	4215613	7.45E-03	4.22E-03	1.14E-03	6.42E-04	5.13E-04	2.64E-04
574	570477.4	4215364	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.72E-04	4.49E-04
575	570477.2	4215373	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.71E-04	4.48E-04
576	570477	4215383	1.26E-02	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
577	570476.8	4215392	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
578	570476.5	4215402	1.24E-02	7.03E-03	1.90E-03	1.07E-03	8.56E-04	4.40E-04
579	570476.3	4215411	1.23E-02	6.99E-03	1.88E-03	1.06E-03	8.50E-04	4.38E-04
580	570475.7	4215440	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
581	570475.5	4215449	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
582	570475.3	4215459	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.13E-04	4.18E-04
583	570475	4215468	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
584	570474.8	4215478	1.14E-02	6.46E-03	1.74E-03	9.82E-04	7.85E-04	4.04E-04
585	570468	4215494	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
586	570461.3	4215501	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.84E-04	4.04E-04
587	570454.7	4215507	1.15E-02	6.50E-03	1.75E-03	9.88E-04	7.90E-04	4.07E-04
588	570448	4215514	1.15E-02	6.54E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
589	570441.3	4215521	1.16E-02	6.56E-03	1.77E-03	9.97E-04	7.98E-04	4.11E-04
590	570434.7	4215528	1.16E-02	6.55E-03	1.76E-03	9.96E-04	7.96E-04	4.10E-04
591	570428	4215534	1.15E-02	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
592	570421.4	4215541	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
593	570414.7	4215548	1.12E-02	6.37E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
594	570408.1	4215555	1.10E-02	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
595	570401.4	4215561	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.80E-04
596	570394.7	4215568	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.14E-04	3.68E-04
597	570388.1	4215575	1.00E-02	5.67E-03	1.53E-03	8.62E-04	6.89E-04	3.55E-04
598	570381.4	4215582	9.62E-03	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
599	570374.8	4215588	9.21E-03	5.22E-03	1.41E-03	7.94E-04	6.35E-04	3.27E-04
600	570368.1	4215595	8.78E-03	4.97E-03	1.34E-03	7.57E-04	6.05E-04	3.11E-04
601	570361.5	4215602	8.34E-03	4.72E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
602	570354.8	4215609	7.89E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
603	570348.2	4215615	7.44E-03	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
604	570341.5	4215622	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
605	570486.7	4215363	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
606	570486.5	4215373	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
607	570486.3	4215383	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
608	570486	4215393	1.21E-02	6.83E-03	1.84E-03	1.04E-03	8.31E-04	4.28E-04
609	570485.8	4215403	1.20E-02	6.79E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
610	570485.6	4215412	1.19E-02	6.74E-03	1.82E-03	1.03E-03	8.20E-04	4.22E-04
611	570484.9	4215442	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
612	570484.7	4215452	1.15E-02	6.50E-03	1.75E-03	9.89E-04	7.91E-04	4.07E-04
613	570484.5	4215462	1.13E-02	6.42E-03	1.73E-03	9.76E-04	7.80E-04	4.02E-04
614	570484.3	4215471	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
615	570484.1	4215481	1.09E-02	6.19E-03	1.67E-03	9.41E-04	7.52E-04	3.87E-04
616	570476.9	4215498	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
617	570470	4215505	1.08E-02	6.14E-03	1.65E-03	9.34E-04	7.47E-04	3.84E-04
618	570463.1	4215512	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
619	570456.2	4215519	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
620	570449.3	4215526	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04

621	570442.4	4215533	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
622	570435.5	4215540	1.09E-02	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
623	570428.6	4215547	1.08E-02	6.14E-03	1.66E-03	9.34E-04	7.47E-04	3.85E-04
624	570421.7	4215554	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.79E-04
625	570414.8	4215561	1.05E-02	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
626	570407.9	4215568	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
627	570401	4215575	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
628	570394.1	4215582	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
629	570387.2	4215589	9.14E-03	5.18E-03	1.40E-03	7.88E-04	6.30E-04	3.24E-04
630	570380.3	4215596	8.74E-03	4.95E-03	1.33E-03	7.53E-04	6.02E-04	3.10E-04
631	570373.4	4215603	8.32E-03	4.72E-03	1.27E-03	7.17E-04	5.74E-04	2.95E-04
632	570366.5	4215610	7.90E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
633	570359.6	4215617	7.46E-03	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
634	570352.7	4215624	7.03E-03	3.98E-03	1.07E-03	6.06E-04	4.85E-04	2.49E-04
635	570345.8	4215631	6.61E-03	3.75E-03	1.01E-03	5.70E-04	4.56E-04	2.35E-04
636	570496.1	4215359	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.15E-04
637	570495.9	4215369	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.16E-04
638	570495.7	4215378	1.17E-02	6.63E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
639	570495.5	4215388	1.17E-02	6.61E-03	1.78E-03	1.00E-03	8.04E-04	4.14E-04
640	570495.2	4215398	1.16E-02	6.57E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
641	570495	4215407	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
642	570494.8	4215417	1.15E-02	6.49E-03	1.75E-03	9.87E-04	7.90E-04	4.06E-04
643	570494.1	4215446	1.11E-02	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
644	570493.9	4215456	1.10E-02	6.24E-03	1.68E-03	9.48E-04	7.59E-04	3.90E-04
645	570493.7	4215466	1.09E-02	6.15E-03	1.66E-03	9.35E-04	7.48E-04	3.85E-04
646	570493.5	4215475	1.07E-02	6.04E-03	1.63E-03	9.19E-04	7.35E-04	3.78E-04
647	570493.3	4215485	1.05E-02	5.92E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
648	570486.2	4215502	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.66E-04
649	570479.4	4215509	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
650	570472.6	4215516	1.04E-02	5.88E-03	1.58E-03	8.94E-04	7.15E-04	3.68E-04
651	570465.7	4215523	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
652	570458.9	4215530	1.05E-02	5.93E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
653	570452.1	4215536	1.05E-02	5.93E-03	1.60E-03	9.02E-04	7.21E-04	3.71E-04
654	570445.3	4215543	1.04E-02	5.92E-03	1.59E-03	9.00E-04	7.20E-04	3.71E-04
655	570438.4	4215550	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.15E-04	3.68E-04
656	570431.6	4215557	1.02E-02	5.81E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
657	570424.8	4215564	1.01E-02	5.71E-03	1.54E-03	8.68E-04	6.94E-04	3.57E-04
658	570418	4215571	9.86E-03	5.58E-03	1.51E-03	8.49E-04	6.79E-04	3.50E-04
659	570411.1	4215578	9.59E-03	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
660	570404.3	4215585	9.27E-03	5.25E-03	1.42E-03	7.99E-04	6.39E-04	3.29E-04
661	570397.5	4215592	8.93E-03	5.06E-03	1.36E-03	7.70E-04	6.15E-04	3.17E-04
662	570390.7	4215599	8.57E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
663	570383.9	4215606	8.20E-03	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
664	570377	4215613	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
665	570370.2	4215620	7.41E-03	4.20E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
666	570363.4	4215627	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.83E-04	2.48E-04
667	570356.6	4215633	6.61E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
668	570349.7	4215640	6.22E-03	3.52E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
669	570505.5	4215355	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
670	570505.3	4215364	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.01E-04
671	570505.1	4215374	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.00E-04
672	570504.9	4215383	1.13E-02	6.39E-03	1.72E-03	9.71E-04	7.77E-04	4.00E-04

673	570504.6	4215393	1.12E-02	6.36E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
674	570504.4	4215403	1.12E-02	6.33E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
675	570504.2	4215412	1.11E-02	6.30E-03	1.70E-03	9.57E-04	7.66E-04	3.94E-04
676	570503.6	4215441	1.08E-02	6.12E-03	1.65E-03	9.31E-04	7.45E-04	3.83E-04
677	570503.3	4215451	1.07E-02	6.06E-03	1.63E-03	9.21E-04	7.37E-04	3.79E-04
678	570503.1	4215460	1.06E-02	5.98E-03	1.61E-03	9.10E-04	7.28E-04	3.75E-04
679	570502.9	4215470	1.04E-02	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
680	570502.7	4215480	1.02E-02	5.79E-03	1.56E-03	8.80E-04	7.04E-04	3.62E-04
681	570502.5	4215489	1.00E-02	5.68E-03	1.53E-03	8.63E-04	6.91E-04	3.55E-04
682	570495.5	4215506	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
683	570488.7	4215513	9.92E-03	5.62E-03	1.51E-03	8.55E-04	6.83E-04	3.52E-04
684	570482	4215519	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.53E-04
685	570475.2	4215526	9.93E-03	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
686	570468.5	4215533	9.95E-03	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
687	570461.7	4215540	9.95E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
688	570455	4215547	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.52E-04
689	570448.2	4215554	9.90E-03	5.61E-03	1.51E-03	8.53E-04	6.82E-04	3.51E-04
690	570441.5	4215561	9.81E-03	5.56E-03	1.50E-03	8.45E-04	6.76E-04	3.48E-04
691	570434.7	4215567	9.66E-03	5.47E-03	1.48E-03	8.32E-04	6.66E-04	3.43E-04
692	570428	4215574	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
693	570421.2	4215581	9.27E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
694	570414.5	4215588	9.01E-03	5.11E-03	1.38E-03	7.77E-04	6.21E-04	3.20E-04
695	570407.7	4215595	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
696	570401	4215602	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.78E-04	2.97E-04
697	570394.2	4215608	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
698	570387.5	4215615	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
699	570380.7	4215622	7.33E-03	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
700	570373.9	4215629	6.95E-03	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
701	570367.2	4215636	6.58E-03	3.73E-03	1.00E-03	5.67E-04	4.53E-04	2.33E-04
702	570360.4	4215643	6.21E-03	3.52E-03	9.49E-04	5.35E-04	4.28E-04	2.20E-04
703	570353.7	4215650	5.85E-03	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
704	570514.9	4215350	1.09E-02	6.16E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
705	570514.7	4215360	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
706	570514.5	4215369	1.09E-02	6.17E-03	1.66E-03	9.39E-04	7.51E-04	3.86E-04
707	570514.3	4215379	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
708	570514	4215388	1.09E-02	6.15E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
709	570513.8	4215398	1.08E-02	6.13E-03	1.65E-03	9.33E-04	7.46E-04	3.84E-04
710	570513.6	4215407	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
711	570513.4	4215417	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.38E-04	3.80E-04
712	570512.7	4215446	1.04E-02	5.90E-03	1.59E-03	8.98E-04	7.18E-04	3.69E-04
713	570512.5	4215455	1.03E-02	5.83E-03	1.57E-03	8.87E-04	7.10E-04	3.65E-04
714	570512.3	4215465	1.02E-02	5.76E-03	1.55E-03	8.76E-04	7.01E-04	3.61E-04
715	570512.1	4215474	1.00E-02	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
716	570511.9	4215484	9.85E-03	5.58E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04
717	570511.7	4215493	9.66E-03	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
718	570504.8	4215510	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
719	570498.1	4215516	9.51E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.37E-04
720	570491.4	4215523	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
721	570484.7	4215530	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
722	570478	4215537	9.51E-03	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
723	570471.3	4215543	9.47E-03	5.37E-03	1.45E-03	8.16E-04	6.53E-04	3.36E-04
724	570464.7	4215550	9.46E-03	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.36E-04

725	570458	4215557	9.43E-03	5.34E-03	1.44E-03	8.12E-04	6.50E-04	3.34E-04
726	570451.3	4215564	9.36E-03	5.30E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
727	570444.6	4215571	9.26E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
728	570437.9	4215577	9.11E-03	5.16E-03	1.39E-03	7.85E-04	6.28E-04	3.23E-04
729	570431.2	4215584	8.93E-03	5.06E-03	1.36E-03	7.69E-04	6.15E-04	3.17E-04
730	570424.5	4215591	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
731	570417.8	4215598	8.46E-03	4.79E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
732	570411.2	4215605	8.18E-03	4.63E-03	1.25E-03	7.05E-04	5.64E-04	2.90E-04
733	570404.5	4215611	7.87E-03	4.46E-03	1.20E-03	6.78E-04	5.42E-04	2.79E-04
734	570397.8	4215618	7.55E-03	4.28E-03	1.15E-03	6.51E-04	5.20E-04	2.68E-04
735	570391.1	4215625	7.22E-03	4.09E-03	1.10E-03	6.22E-04	4.97E-04	2.56E-04
736	570384.4	4215632	6.88E-03	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
737	570377.7	4215638	6.53E-03	3.70E-03	9.97E-04	5.63E-04	4.50E-04	2.32E-04
738	570371	4215645	6.19E-03	3.50E-03	9.45E-04	5.33E-04	4.26E-04	2.19E-04
739	570364.3	4215652	5.84E-03	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04
740	570357.7	4215659	5.51E-03	3.12E-03	8.42E-04	4.75E-04	3.80E-04	1.96E-04
741	569937.1	4214980	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
742	569941.8	4214988	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
743	569895.6	4214925	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
744	569900.3	4214934	2.91E-03	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
745	569905	4214942	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.08E-04	1.07E-04
746	569909.6	4214951	3.16E-03	1.79E-03	4.83E-04	2.72E-04	2.18E-04	1.12E-04
747	569914.3	4214959	3.33E-03	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
748	569919	4214968	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
749	569923.7	4214976	3.76E-03	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
750	569928.3	4214985	4.01E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
751	569933	4214993	4.31E-03	2.44E-03	6.58E-04	3.72E-04	2.97E-04	1.53E-04
752	569877.5	4214913	2.70E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.59E-05
753	569882.2	4214922	2.78E-03	1.57E-03	4.24E-04	2.39E-04	1.92E-04	9.86E-05
754	569886.9	4214930	2.87E-03	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
755	569891.5	4214939	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
756	569896.2	4214947	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
757	569900.9	4214956	3.24E-03	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
758	569905.5	4214964	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
759	569910.2	4214973	3.65E-03	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
760	569914.9	4214981	3.88E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
761	569919.6	4214990	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.86E-04	1.47E-04
762	569924.2	4214998	4.48E-03	2.54E-03	6.83E-04	3.86E-04	3.08E-04	1.59E-04
763	569928.9	4215007	4.84E-03	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.72E-04
764	569868.7	4214918	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.78E-05
765	569873.4	4214926	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.96E-04	1.01E-04
766	569878.1	4214935	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
767	569882.8	4214943	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
768	569887.4	4214952	3.17E-03	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04
769	569892.1	4214960	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
770	569896.8	4214969	3.54E-03	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
771	569901.5	4214977	3.77E-03	2.13E-03	5.75E-04	3.25E-04	2.60E-04	1.34E-04
772	569906.1	4214986	4.02E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
773	569910.8	4214994	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
774	569915.5	4215003	4.65E-03	2.64E-03	7.10E-04	4.01E-04	3.21E-04	1.65E-04
775	569920.2	4215011	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
776	569860	4214923	2.82E-03	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04

777	569864.7	4214931	2.90E-03	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
778	569869.3	4214940	2.99E-03	1.70E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
779	569874	4214948	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.15E-04	1.10E-04
780	569878.7	4214957	3.26E-03	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
781	569883.3	4214965	3.45E-03	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
782	569888	4214974	3.66E-03	2.07E-03	5.59E-04	3.16E-04	2.52E-04	1.30E-04
783	569892.7	4214982	3.90E-03	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
784	569897.4	4214991	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
785	569902	4214999	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
786	569906.7	4215008	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
787	569911.4	4215016	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
788	569851.2	4214927	2.88E-03	1.63E-03	4.40E-04	2.48E-04	1.98E-04	1.02E-04
789	569855.9	4214936	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
790	569860.6	4214944	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
791	569865.2	4214953	3.20E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
792	569869.9	4214961	3.36E-03	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
793	569874.6	4214970	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
794	569879.3	4214978	3.79E-03	2.14E-03	5.78E-04	3.26E-04	2.61E-04	1.34E-04
795	569883.9	4214987	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
796	569888.6	4214996	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
797	569893.3	4215004	4.66E-03	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
798	569898	4215013	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
799	569902.6	4215021	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
800	569842.5	4214932	2.94E-03	1.66E-03	4.49E-04	2.53E-04	2.02E-04	1.04E-04
801	569847.1	4214941	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
802	569851.8	4214949	3.14E-03	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
803	569856.5	4214958	3.29E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
804	569861.1	4214966	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
805	569865.8	4214975	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
806	569870.5	4214983	3.91E-03	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
807	569875.2	4214992	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
808	569879.8	4215000	4.49E-03	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
809	569884.5	4215009	4.85E-03	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
810	569889.2	4215017	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
811	569893.9	4215026	5.70E-03	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
812	569833.7	4214937	3.00E-03	1.70E-03	4.58E-04	2.58E-04	2.07E-04	1.06E-04
813	569838.4	4214946	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
814	569843	4214954	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
815	569847.7	4214963	3.39E-03	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
816	569852.4	4214971	3.58E-03	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
817	569857.1	4214980	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
818	569861.7	4214988	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
819	569866.4	4214997	4.34E-03	2.46E-03	6.62E-04	3.74E-04	2.99E-04	1.54E-04
820	569871.1	4215005	4.67E-03	2.64E-03	7.12E-04	4.02E-04	3.22E-04	1.66E-04
821	569875.8	4215014	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
822	569880.4	4215022	5.46E-03	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
823	569885.1	4215031	5.94E-03	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.11E-04
824	569941.2	4215133	3.57E-02	2.02E-02	5.45E-03	3.08E-03	2.46E-03	1.27E-03
825	569945.9	4215141	3.98E-02	2.26E-02	6.08E-03	3.43E-03	2.74E-03	1.41E-03
826	569950.6	4215150	4.38E-02	2.48E-02	6.69E-03	3.78E-03	3.02E-03	1.55E-03
827	569824.9	4214942	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
828	569829.6	4214950	3.17E-03	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04

829	569834.3	4214959	3.32E-03	1.88E-03	5.06E-04	2.86E-04	2.28E-04	1.18E-04
830	569838.9	4214967	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.41E-04	1.24E-04
831	569843.6	4214976	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
832	569848.3	4214984	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
833	569853	4214993	4.18E-03	2.37E-03	6.39E-04	3.61E-04	2.88E-04	1.48E-04
834	569857.6	4215001	4.49E-03	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
835	569862.3	4215010	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
836	569867	4215018	5.23E-03	2.96E-03	7.99E-04	4.51E-04	3.61E-04	1.86E-04
837	569871.7	4215027	5.67E-03	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
838	569876.3	4215035	6.17E-03	3.49E-03	9.42E-04	5.31E-04	4.25E-04	2.19E-04
839	569927.8	4215129	3.08E-02	1.75E-02	4.71E-03	2.66E-03	2.13E-03	1.09E-03
840	569932.4	4215137	3.44E-02	1.95E-02	5.25E-03	2.96E-03	2.37E-03	1.22E-03
841	569937.1	4215146	3.79E-02	2.15E-02	5.79E-03	3.26E-03	2.61E-03	1.34E-03
842	569941.8	4215154	4.13E-02	2.34E-02	6.31E-03	3.56E-03	2.85E-03	1.47E-03
843	569816.2	4214947	3.13E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
844	569820.8	4214955	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
845	569825.5	4214964	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
846	569830.2	4214972	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
847	569834.9	4214981	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
848	569839.5	4214989	4.04E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.43E-04
849	569844.2	4214998	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
850	569848.9	4215006	4.65E-03	2.64E-03	7.11E-04	4.01E-04	3.21E-04	1.65E-04
851	569853.6	4215015	5.02E-03	2.84E-03	7.66E-04	4.33E-04	3.46E-04	1.78E-04
852	569858.2	4215023	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
853	569862.9	4215032	5.88E-03	3.33E-03	8.97E-04	5.06E-04	4.05E-04	2.08E-04
854	569914.3	4215125	2.57E-02	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.10E-04
855	569919	4215134	3.02E-02	1.71E-02	4.61E-03	2.60E-03	2.08E-03	1.07E-03
856	569923.7	4215142	3.30E-02	1.87E-02	5.03E-03	2.84E-03	2.27E-03	1.17E-03
857	569928.4	4215151	3.60E-02	2.04E-02	5.50E-03	3.10E-03	2.48E-03	1.28E-03
858	569933	4215159	3.89E-02	2.21E-02	5.94E-03	3.35E-03	2.68E-03	1.38E-03
859	569802.7	4214943	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
860	569807.4	4214952	3.21E-03	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
861	569812.1	4214960	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
862	569816.7	4214969	3.51E-03	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
863	569821.4	4214977	3.70E-03	2.10E-03	5.65E-04	3.19E-04	2.55E-04	1.31E-04
864	569826.1	4214986	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
865	569830.8	4214994	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
866	569835.4	4215003	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
867	569840.1	4215011	4.81E-03	2.73E-03	7.35E-04	4.15E-04	3.32E-04	1.71E-04
868	569844.8	4215020	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
869	569849.5	4215028	5.61E-03	3.18E-03	8.56E-04	4.83E-04	3.86E-04	1.99E-04
870	569854.1	4215037	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
871	569905.6	4215130	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
872	569910.2	4215139	2.93E-02	1.66E-02	4.48E-03	2.53E-03	2.02E-03	1.04E-03
873	569914.9	4215147	3.16E-02	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
874	569919.6	4215156	3.43E-02	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.22E-03
875	569924.3	4215164	3.67E-02	2.08E-02	5.61E-03	3.16E-03	2.53E-03	1.30E-03
876	569792.9	4214939	3.09E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.10E-04
877	569794	4214948	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
878	569798.6	4214956	3.29E-03	1.86E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
879	569803.3	4214965	3.44E-03	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
880	569808	4214973	3.61E-03	2.05E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04

881	569812.7	4214982	3.80E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
882	569817.3	4214990	4.04E-03	2.29E-03	6.16E-04	3.48E-04	2.78E-04	1.43E-04
883	569822	4214999	4.31E-03	2.44E-03	6.58E-04	3.71E-04	2.97E-04	1.53E-04
884	569826.7	4215007	4.62E-03	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
885	569831.4	4215016	4.97E-03	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
886	569836	4215024	5.35E-03	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
887	569840.7	4215033	5.78E-03	3.28E-03	8.83E-04	4.98E-04	3.99E-04	2.05E-04
888	569896.8	4215135	2.51E-02	1.42E-02	3.84E-03	2.17E-03	1.73E-03	8.92E-04
889	569901.5	4215143	2.84E-02	1.61E-02	4.33E-03	2.44E-03	1.96E-03	1.01E-03
890	569906.2	4215152	3.02E-02	1.71E-02	4.62E-03	2.61E-03	2.08E-03	1.07E-03
891	569910.8	4215160	3.26E-02	1.85E-02	4.98E-03	2.81E-03	2.25E-03	1.16E-03
892	569915.5	4215169	3.47E-02	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
893	569784.2	4214944	3.15E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
894	569783.1	4214935	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
895	569789.9	4214961	3.38E-03	1.92E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
896	569794.5	4214970	3.54E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
897	569799.2	4214978	3.71E-03	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
898	569803.9	4214987	3.91E-03	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
899	569808.6	4214995	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
900	569813.2	4215004	4.44E-03	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.58E-04
901	569817.9	4215012	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
902	569822.6	4215021	5.11E-03	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
903	569827.3	4215029	5.50E-03	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
904	569831.9	4215038	5.94E-03	3.36E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
905	569888	4215140	2.45E-02	1.39E-02	3.75E-03	2.11E-03	1.69E-03	8.70E-04
906	569892.7	4215148	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.69E-04
907	569897.4	4215157	2.89E-02	1.64E-02	4.41E-03	2.49E-03	1.99E-03	1.02E-03
908	569902.1	4215165	3.11E-02	1.76E-02	4.75E-03	2.68E-03	2.14E-03	1.10E-03
909	569906.7	4215174	3.25E-02	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
910	569775.3	4214948	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
911	569774.2	4214939	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
912	569773.1	4214929	3.06E-03	1.73E-03	4.67E-04	2.64E-04	2.11E-04	1.09E-04
913	569776.4	4214958	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
914	569781.1	4214966	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
915	569785.8	4214975	3.63E-03	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
916	569790.5	4214983	3.81E-03	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
917	569795.1	4214992	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
918	569799.8	4215000	4.27E-03	2.42E-03	6.53E-04	3.68E-04	2.95E-04	1.52E-04
919	569804.5	4215009	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
920	569809.2	4215017	4.88E-03	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
921	569813.8	4215026	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.61E-04	1.86E-04
922	569818.5	4215034	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
923	569823.2	4215043	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
924	569879.3	4215145	2.37E-02	1.34E-02	3.62E-03	2.04E-03	1.63E-03	8.40E-04
925	569884	4215153	2.62E-02	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.28E-04
926	569888.6	4215162	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.76E-04
927	569893.3	4215170	2.92E-02	1.66E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
928	569898	4215179	3.05E-02	1.73E-02	4.65E-03	2.63E-03	2.10E-03	1.08E-03
929	569766.6	4214953	3.30E-03	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
930	569765.5	4214944	3.20E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
931	569764.4	4214934	3.12E-03	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
932	569763.3	4214925	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04

933	569777.2	4214821	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.26E-04	6.46E-05
934	569782.9	4214813	1.74E-03	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
935	569767.7	4214962	3.43E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
936	569772.3	4214971	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
937	569777	4214979	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
938	569781.7	4214988	3.91E-03	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
939	569786.4	4214996	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
940	569791	4215005	4.38E-03	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
941	569795.7	4215013	4.66E-03	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
942	569800.4	4215022	4.98E-03	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
943	569805.1	4215030	5.35E-03	3.03E-03	8.16E-04	4.61E-04	3.68E-04	1.90E-04
944	569809.7	4215039	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
945	569814.4	4215047	6.20E-03	3.51E-03	9.46E-04	5.34E-04	4.27E-04	2.20E-04
946	569819.1	4215056	6.67E-03	3.78E-03	1.02E-03	5.75E-04	4.60E-04	2.37E-04
947	569870.5	4215149	2.24E-02	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.95E-04
948	569875.2	4215158	2.49E-02	1.41E-02	3.80E-03	2.15E-03	1.72E-03	8.83E-04
949	569879.9	4215166	2.68E-02	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
950	569884.5	4215175	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.89E-03	9.75E-04
951	569889.2	4215183	2.86E-02	1.62E-02	4.37E-03	2.47E-03	1.97E-03	1.02E-03
952	569757.8	4214958	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
953	569756.7	4214949	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
954	569755.7	4214940	3.19E-03	1.80E-03	4.86E-04	2.75E-04	2.20E-04	1.13E-04
955	569754.6	4214930	3.12E-03	1.77E-03	4.77E-04	2.69E-04	2.15E-04	1.11E-04
956	569753.5	4214921	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
957	569750.4	4214841	2.00E-03	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
958	569756	4214833	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
959	569767.2	4214818	1.78E-03	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
960	569772.8	4214811	1.71E-03	9.67E-04	2.61E-04	1.47E-04	1.18E-04	6.06E-05
961	569784	4214796	1.60E-03	9.05E-04	2.44E-04	1.38E-04	1.10E-04	5.66E-05
962	569758.9	4214967	3.51E-03	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
963	569763.6	4214976	3.65E-03	2.07E-03	5.57E-04	3.15E-04	2.52E-04	1.29E-04
964	569768.3	4214984	3.81E-03	2.16E-03	5.82E-04	3.29E-04	2.63E-04	1.35E-04
965	569772.9	4214993	4.01E-03	2.27E-03	6.12E-04	3.46E-04	2.76E-04	1.42E-04
966	569777.6	4215001	4.23E-03	2.40E-03	6.46E-04	3.65E-04	2.92E-04	1.50E-04
967	569782.3	4215010	4.47E-03	2.53E-03	6.83E-04	3.85E-04	3.08E-04	1.59E-04
968	569787	4215018	4.75E-03	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
969	569791.6	4215027	5.07E-03	2.87E-03	7.75E-04	4.37E-04	3.50E-04	1.80E-04
970	569796.3	4215035	5.43E-03	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
971	569801	4215044	5.83E-03	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
972	569805.7	4215052	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
973	569810.3	4215061	6.75E-03	3.82E-03	1.03E-03	5.81E-04	4.65E-04	2.39E-04
974	569861.8	4215154	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
975	569866.4	4215163	2.32E-02	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
976	569871.1	4215171	2.52E-02	1.43E-02	3.85E-03	2.18E-03	1.74E-03	8.95E-04
977	569875.8	4215180	2.66E-02	1.51E-02	4.07E-03	2.30E-03	1.84E-03	9.45E-04
978	569880.5	4215188	2.71E-02	1.53E-02	4.14E-03	2.33E-03	1.87E-03	9.61E-04
979	569749.1	4214963	3.46E-03	1.96E-03	5.28E-04	2.98E-04	2.39E-04	1.23E-04
980	569748	4214954	3.35E-03	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
981	569746.9	4214945	3.26E-03	1.84E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
982	569745.9	4214936	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
983	569744.8	4214927	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
984	569743.7	4214918	3.09E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04

985	569736.2	4214854	2.18E-03	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
986	569740.7	4214838	1.97E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
987	569746.2	4214831	1.88E-03	1.07E-03	2.88E-04	1.62E-04	1.30E-04	6.68E-05
988	569757.3	4214816	1.74E-03	9.86E-04	2.66E-04	1.50E-04	1.20E-04	6.17E-05
989	569768.3	4214802	1.63E-03	9.22E-04	2.48E-04	1.40E-04	1.12E-04	5.77E-05
990	569779.4	4214787	1.54E-03	8.70E-04	2.34E-04	1.32E-04	1.06E-04	5.45E-05
991	569750.1	4214972	3.59E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.27E-04
992	569754.8	4214980	3.73E-03	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
993	569759.5	4214989	3.91E-03	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
994	569764.2	4214997	4.11E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
995	569768.8	4215006	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
996	569773.5	4215014	4.57E-03	2.59E-03	6.98E-04	3.94E-04	3.15E-04	1.62E-04
997	569778.2	4215023	4.85E-03	2.75E-03	7.41E-04	4.18E-04	3.34E-04	1.72E-04
998	569782.9	4215031	5.16E-03	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
999	569787.5	4215040	5.51E-03	3.12E-03	8.41E-04	4.75E-04	3.80E-04	1.95E-04
1000	569792.2	4215048	5.90E-03	3.34E-03	9.01E-04	5.08E-04	4.06E-04	2.09E-04
1001	569796.9	4215057	6.33E-03	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
1002	569801.6	4215066	6.79E-03	3.85E-03	1.04E-03	5.85E-04	4.68E-04	2.41E-04
1003	569806.2	4215074	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.03E-04	2.59E-04
1004	569853	4215159	1.89E-02	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1005	569857.7	4215168	2.14E-02	1.21E-02	3.26E-03	1.84E-03	1.47E-03	7.57E-04
1006	569862.3	4215176	2.36E-02	1.34E-02	3.60E-03	2.03E-03	1.63E-03	8.37E-04
1007	569867	4215185	2.52E-02	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.94E-04
1008	569871.7	4215193	2.58E-02	1.46E-02	3.94E-03	2.22E-03	1.78E-03	9.15E-04
1009	569740.2	4214967	3.53E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1010	569739.1	4214958	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1011	569738	4214948	3.31E-03	1.88E-03	5.06E-04	2.85E-04	2.28E-04	1.17E-04
1012	569736.8	4214938	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1013	569735.7	4214929	3.17E-03	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1014	569734.6	4214919	3.10E-03	1.76E-03	4.74E-04	2.67E-04	2.14E-04	1.10E-04
1015	569727.8	4214862	2.28E-03	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1016	569726.6	4214852	2.15E-03	1.22E-03	3.28E-04	1.85E-04	1.48E-04	7.61E-05
1017	569731.4	4214835	1.93E-03	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
1018	569737.2	4214827	1.85E-03	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
1019	569743.1	4214820	1.77E-03	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
1020	569748.9	4214812	1.70E-03	9.63E-04	2.60E-04	1.47E-04	1.17E-04	6.03E-05
1021	569754.8	4214804	1.64E-03	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1022	569760.6	4214797	1.59E-03	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1023	569766.5	4214789	1.55E-03	8.77E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1024	569772.3	4214781	1.50E-03	8.51E-04	2.29E-04	1.29E-04	1.03E-04	5.33E-05
1025	569741.4	4214977	3.68E-03	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
1026	569746.1	4214985	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1027	569750.7	4214994	4.00E-03	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1028	569755.4	4215002	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1029	569760.1	4215011	4.42E-03	2.51E-03	6.75E-04	3.81E-04	3.05E-04	1.57E-04
1030	569764.8	4215019	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1031	569769.4	4215028	4.95E-03	2.80E-03	7.56E-04	4.26E-04	3.41E-04	1.76E-04
1032	569774.1	4215036	5.25E-03	2.98E-03	8.02E-04	4.53E-04	3.62E-04	1.86E-04
1033	569778.8	4215045	5.58E-03	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
1034	569783.5	4215053	5.96E-03	3.38E-03	9.10E-04	5.13E-04	4.11E-04	2.11E-04
1035	569788.1	4215062	6.37E-03	3.61E-03	9.73E-04	5.49E-04	4.39E-04	2.26E-04
1036	569792.8	4215070	6.82E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04

1037	569797.5	4215079	7.31E-03	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
1038	569844.2	4215164	1.72E-02	9.74E-03	2.62E-03	1.48E-03	1.18E-03	6.10E-04
1039	569848.9	4215172	1.99E-02	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.05E-04
1040	569853.6	4215181	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.53E-03	7.89E-04
1041	569858.3	4215189	2.39E-02	1.36E-02	3.66E-03	2.06E-03	1.65E-03	8.49E-04
1042	569862.9	4215198	2.49E-02	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
1043	569731.5	4214972	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1044	569730.4	4214963	3.49E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
1045	569729.3	4214953	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
1046	569728.1	4214944	3.30E-03	1.87E-03	5.04E-04	2.85E-04	2.28E-04	1.17E-04
1047	569727	4214934	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1048	569725.9	4214925	3.17E-03	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1049	569724.8	4214916	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
1050	569719.2	4214868	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.44E-05
1051	569718.1	4214859	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.95E-05
1052	569717	4214849	2.12E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
1053	569721.6	4214832	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.78E-05
1054	569727.4	4214825	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.51E-05
1055	569733.2	4214817	1.76E-03	9.98E-04	2.69E-04	1.52E-04	1.21E-04	6.25E-05
1056	569738.9	4214810	1.69E-03	9.58E-04	2.58E-04	1.46E-04	1.17E-04	6.00E-05
1057	569744.7	4214802	1.63E-03	9.26E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1058	569750.5	4214795	1.59E-03	8.99E-04	2.42E-04	1.37E-04	1.09E-04	5.63E-05
1059	569756.2	4214787	1.54E-03	8.73E-04	2.35E-04	1.33E-04	1.06E-04	5.47E-05
1060	569762	4214779	1.50E-03	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.31E-05
1061	569767.8	4214772	1.47E-03	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1062	569732.6	4214982	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1063	569737.3	4214990	3.91E-03	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1064	569742	4214999	4.09E-03	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
1065	569746.6	4215007	4.29E-03	2.43E-03	6.55E-04	3.69E-04	2.95E-04	1.52E-04
1066	569751.3	4215016	4.51E-03	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
1067	569756	4215024	4.75E-03	2.69E-03	7.26E-04	4.10E-04	3.28E-04	1.69E-04
1068	569760.7	4215033	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
1069	569765.3	4215041	5.32E-03	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
1070	569770	4215050	5.65E-03	3.20E-03	8.63E-04	4.87E-04	3.90E-04	2.01E-04
1071	569774.7	4215058	6.02E-03	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.14E-04
1072	569779.4	4215067	6.42E-03	3.63E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
1073	569784	4215075	6.84E-03	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1074	569788.7	4215084	7.30E-03	4.14E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
1075	569793.4	4215092	7.79E-03	4.41E-03	1.19E-03	6.71E-04	5.37E-04	2.76E-04
1076	569835.5	4215169	1.65E-02	9.37E-03	2.52E-03	1.42E-03	1.14E-03	5.86E-04
1077	569840.1	4215177	1.90E-02	1.07E-02	2.90E-03	1.63E-03	1.31E-03	6.73E-04
1078	569844.8	4215186	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1079	569849.5	4215194	2.30E-02	1.30E-02	3.51E-03	1.98E-03	1.58E-03	8.14E-04
1080	569854.2	4215203	2.34E-02	1.33E-02	3.58E-03	2.02E-03	1.61E-03	8.31E-04
1081	569722.8	4214977	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
1082	569721.7	4214968	3.57E-03	2.02E-03	5.45E-04	3.08E-04	2.46E-04	1.27E-04
1083	569720.5	4214958	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
1084	569719.4	4214949	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1085	569718.3	4214940	3.29E-03	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
1086	569717.2	4214931	3.22E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
1087	569716.1	4214921	3.14E-03	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
1088	569715	4214912	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04

1089	569711.7	4214884	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
1090	569710.6	4214875	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1091	569709.5	4214865	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
1092	569708.4	4214856	2.21E-03	1.25E-03	3.38E-04	1.91E-04	1.52E-04	7.85E-05
1093	569707.3	4214847	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.44E-04	7.44E-05
1094	569711.9	4214830	1.91E-03	1.08E-03	2.92E-04	1.64E-04	1.32E-04	6.77E-05
1095	569717.6	4214822	1.83E-03	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
1096	569723.3	4214815	1.75E-03	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
1097	569729	4214807	1.68E-03	9.53E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1098	569734.7	4214800	1.64E-03	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1099	569740.4	4214793	1.59E-03	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1100	569746.1	4214785	1.55E-03	8.76E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1101	569751.8	4214778	1.50E-03	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1102	569757.4	4214770	1.47E-03	8.34E-04	2.25E-04	1.27E-04	1.01E-04	5.22E-05
1103	569763.1	4214763	1.45E-03	8.22E-04	2.21E-04	1.25E-04	9.99E-05	5.14E-05
1104	569723.9	4214986	3.83E-03	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1105	569728.5	4214995	3.99E-03	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.42E-04
1106	569733.2	4215003	4.17E-03	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1107	569737.9	4215012	4.37E-03	2.48E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
1108	569742.6	4215020	4.59E-03	2.60E-03	7.01E-04	3.96E-04	3.16E-04	1.63E-04
1109	569747.2	4215029	4.83E-03	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.71E-04
1110	569751.9	4215037	5.09E-03	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
1111	569756.6	4215046	5.38E-03	3.05E-03	8.21E-04	4.64E-04	3.71E-04	1.91E-04
1112	569761.3	4215054	5.71E-03	3.24E-03	8.72E-04	4.92E-04	3.94E-04	2.03E-04
1113	569765.9	4215063	6.07E-03	3.44E-03	9.26E-04	5.23E-04	4.18E-04	2.15E-04
1114	569770.6	4215071	6.45E-03	3.65E-03	9.85E-04	5.56E-04	4.44E-04	2.29E-04
1115	569775.3	4215080	6.85E-03	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1116	569780	4215088	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.58E-04
1117	569784.6	4215097	7.74E-03	4.38E-03	1.18E-03	6.67E-04	5.33E-04	2.74E-04
1118	569789.3	4215105	8.23E-03	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
1119	569826.7	4215173	1.61E-02	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.70E-04
1120	569831.4	4215182	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
1121	569836.1	4215190	2.04E-02	1.16E-02	3.12E-03	1.76E-03	1.41E-03	7.25E-04
1122	569840.7	4215199	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1123	569845.4	4215207	2.21E-02	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1124	569714	4214982	3.76E-03	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
1125	569712.9	4214973	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1126	569711.8	4214964	3.54E-03	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1127	569710.7	4214954	3.45E-03	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1128	569709.6	4214945	3.36E-03	1.90E-03	5.13E-04	2.89E-04	2.32E-04	1.19E-04
1129	569708.6	4214936	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1130	569707.5	4214927	3.21E-03	1.82E-03	4.91E-04	2.77E-04	2.21E-04	1.14E-04
1131	569706.4	4214918	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1132	569705.3	4214908	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
1133	569704.2	4214899	2.86E-03	1.62E-03	4.37E-04	2.47E-04	1.97E-04	1.02E-04
1134	569703.1	4214890	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1135	569702	4214881	2.57E-03	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
1136	569700.9	4214872	2.43E-03	1.38E-03	3.71E-04	2.10E-04	1.68E-04	8.63E-05
1137	569699.8	4214862	2.31E-03	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.18E-05
1138	569698.7	4214853	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.76E-05
1139	569697.6	4214844	2.08E-03	1.18E-03	3.18E-04	1.79E-04	1.43E-04	7.38E-05
1140	569702.2	4214827	1.91E-03	1.08E-03	2.91E-04	1.64E-04	1.32E-04	6.77E-05

1141	569707.8	4214820	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
1142	569713.4	4214813	1.76E-03	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
1143	569719.1	4214805	1.69E-03	9.55E-04	2.57E-04	1.45E-04	1.16E-04	5.98E-05
1144	569730.3	4214790	1.60E-03	9.07E-04	2.45E-04	1.38E-04	1.10E-04	5.68E-05
1145	569735.9	4214783	1.56E-03	8.84E-04	2.38E-04	1.34E-04	1.07E-04	5.53E-05
1146	569741.6	4214776	1.52E-03	8.59E-04	2.32E-04	1.31E-04	1.05E-04	5.38E-05
1147	569752.8	4214761	1.46E-03	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1148	569715.1	4214991	3.91E-03	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1149	569719.8	4215000	4.07E-03	2.30E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
1150	569724.4	4215008	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1151	569729.1	4215017	4.45E-03	2.52E-03	6.79E-04	3.83E-04	3.07E-04	1.58E-04
1152	569733.8	4215025	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1153	569738.5	4215034	4.91E-03	2.78E-03	7.49E-04	4.23E-04	3.38E-04	1.74E-04
1154	569743.1	4215042	5.16E-03	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
1155	569747.8	4215051	5.44E-03	3.08E-03	8.31E-04	4.69E-04	3.75E-04	1.93E-04
1156	569752.5	4215059	5.75E-03	3.26E-03	8.79E-04	4.96E-04	3.97E-04	2.04E-04
1157	569757.2	4215068	6.10E-03	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
1158	569761.8	4215076	6.46E-03	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
1159	569766.5	4215085	6.86E-03	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1160	569771.2	4215093	7.27E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
1161	569775.9	4215102	7.70E-03	4.36E-03	1.18E-03	6.63E-04	5.30E-04	2.73E-04
1162	569780.5	4215110	8.15E-03	4.62E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
1163	569817.9	4215178	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
1164	569822.6	4215187	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.26E-04
1165	569827.3	4215195	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
1166	569832	4215204	2.03E-02	1.15E-02	3.09E-03	1.74E-03	1.40E-03	7.18E-04
1167	569836.6	4215212	2.06E-02	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.30E-04
1168	569705.3	4214987	3.82E-03	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
1169	569704.2	4214978	3.70E-03	2.10E-03	5.66E-04	3.19E-04	2.55E-04	1.31E-04
1170	569703.1	4214969	3.60E-03	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
1171	569702	4214960	3.52E-03	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
1172	569700.9	4214951	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1173	569699.9	4214941	3.35E-03	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
1174	569698.8	4214932	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
1175	569697.7	4214923	3.18E-03	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
1176	569696.6	4214914	3.04E-03	1.72E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1177	569695.5	4214905	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
1178	569694.5	4214896	2.79E-03	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.88E-05
1179	569693.4	4214887	2.64E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
1180	569692.3	4214878	2.51E-03	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
1181	569691.2	4214868	2.40E-03	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1182	569690.1	4214859	2.28E-03	1.29E-03	3.48E-04	1.96E-04	1.57E-04	8.09E-05
1183	569689.1	4214850	2.17E-03	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.71E-05
1184	569688	4214841	2.07E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.36E-05
1185	569692.5	4214825	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
1186	569703.6	4214810	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.26E-05
1187	569714.7	4214796	1.66E-03	9.43E-04	2.54E-04	1.43E-04	1.15E-04	5.90E-05
1188	569725.9	4214781	1.58E-03	8.94E-04	2.41E-04	1.36E-04	1.09E-04	5.60E-05
1189	569731.5	4214774	1.54E-03	8.75E-04	2.36E-04	1.33E-04	1.06E-04	5.48E-05
1190	569742.6	4214759	1.50E-03	8.50E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1191	569706.3	4214996	3.98E-03	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
1192	569711	4215005	4.14E-03	2.34E-03	6.32E-04	3.56E-04	2.85E-04	1.47E-04

1193	569715.7	4215013	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
1194	569720.4	4215022	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
1195	569725	4215030	4.74E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1196	569729.7	4215039	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1197	569734.4	4215047	5.22E-03	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
1198	569739.1	4215056	5.50E-03	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
1199	569743.7	4215064	5.81E-03	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
1200	569748.4	4215073	6.13E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
1201	569753.1	4215081	6.47E-03	3.66E-03	9.87E-04	5.57E-04	4.46E-04	2.29E-04
1202	569757.8	4215090	6.84E-03	3.88E-03	1.04E-03	5.90E-04	4.72E-04	2.43E-04
1203	569762.4	4215098	7.24E-03	4.10E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
1204	569767.1	4215107	7.65E-03	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
1205	569771.8	4215115	8.09E-03	4.58E-03	1.24E-03	6.97E-04	5.57E-04	2.87E-04
1206	569809.2	4215183	1.52E-02	8.62E-03	2.32E-03	1.31E-03	1.05E-03	5.40E-04
1207	569813.8	4215192	1.70E-02	9.62E-03	2.59E-03	1.46E-03	1.17E-03	6.02E-04
1208	569818.5	4215200	1.83E-02	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.49E-04
1209	569823.2	4215209	1.89E-02	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1210	569827.9	4215217	1.93E-02	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1211	569696.4	4214991	3.89E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1212	569695.3	4214982	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1213	569694.2	4214972	3.65E-03	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
1214	569693.1	4214963	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
1215	569691.9	4214953	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1216	569690.8	4214944	3.38E-03	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1217	569689.7	4214934	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1218	569688.5	4214925	3.19E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
1219	569687.4	4214915	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
1220	569686.3	4214906	2.90E-03	1.65E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
1221	569685.2	4214896	2.78E-03	1.57E-03	4.24E-04	2.39E-04	1.91E-04	9.85E-05
1222	569684	4214887	2.64E-03	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.36E-05
1223	569682.9	4214877	2.51E-03	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
1224	569681.8	4214868	2.40E-03	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1225	569680.6	4214858	2.28E-03	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1226	569679.5	4214848	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1227	569678.4	4214839	2.08E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
1228	569683.1	4214822	1.93E-03	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.84E-05
1229	569688.9	4214814	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
1230	569694.7	4214807	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
1231	569700.5	4214799	1.73E-03	9.78E-04	2.64E-04	1.49E-04	1.19E-04	6.12E-05
1232	569706.4	4214791	1.68E-03	9.54E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1233	569712.2	4214784	1.64E-03	9.29E-04	2.50E-04	1.41E-04	1.13E-04	5.82E-05
1234	569718	4214776	1.60E-03	9.04E-04	2.44E-04	1.37E-04	1.10E-04	5.66E-05
1235	569723.8	4214768	1.57E-03	8.90E-04	2.40E-04	1.35E-04	1.08E-04	5.57E-05
1236	569697.6	4215001	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
1237	569702.2	4215009	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1238	569706.9	4215018	4.38E-03	2.48E-03	6.68E-04	3.77E-04	3.02E-04	1.55E-04
1239	569711.6	4215026	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
1240	569716.3	4215035	4.79E-03	2.71E-03	7.32E-04	4.13E-04	3.30E-04	1.70E-04
1241	569720.9	4215043	5.02E-03	2.84E-03	7.66E-04	4.32E-04	3.46E-04	1.78E-04
1242	569725.6	4215052	5.27E-03	2.99E-03	8.05E-04	4.54E-04	3.63E-04	1.87E-04
1243	569730.3	4215060	5.55E-03	3.14E-03	8.48E-04	4.78E-04	3.83E-04	1.97E-04
1244	569735	4215069	5.84E-03	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04

1245	569739.6	4215077	6.15E-03	3.49E-03	9.40E-04	5.30E-04	4.24E-04	2.18E-04
1246	569744.3	4215086	6.49E-03	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
1247	569749	4215094	6.84E-03	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1248	569753.7	4215103	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1249	569758.3	4215111	7.60E-03	4.31E-03	1.16E-03	6.55E-04	5.24E-04	2.70E-04
1250	569763	4215120	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
1251	569800.4	4215188	1.49E-02	8.45E-03	2.28E-03	1.28E-03	1.03E-03	5.29E-04
1252	569805.1	4215196	1.65E-02	9.34E-03	2.52E-03	1.42E-03	1.14E-03	5.85E-04
1253	569809.8	4215205	1.72E-02	9.72E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
1254	569814.4	4215213	1.77E-02	1.00E-02	2.71E-03	1.53E-03	1.22E-03	6.29E-04
1255	569819.1	4215222	1.82E-02	1.03E-02	2.78E-03	1.57E-03	1.25E-03	6.45E-04
1256	569687.7	4214996	3.95E-03	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
1257	569686.6	4214987	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1258	569685.5	4214977	3.71E-03	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1259	569684.3	4214968	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1260	569683.2	4214959	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1261	569682.1	4214949	3.43E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
1262	569681	4214940	3.32E-03	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
1263	569679.9	4214930	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
1264	569678.8	4214921	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1265	569677.7	4214912	2.96E-03	1.68E-03	4.53E-04	2.55E-04	2.04E-04	1.05E-04
1266	569676.5	4214902	2.84E-03	1.61E-03	4.34E-04	2.45E-04	1.96E-04	1.01E-04
1267	569675.4	4214893	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1268	569674.3	4214883	2.59E-03	1.47E-03	3.96E-04	2.24E-04	1.79E-04	9.20E-05
1269	569673.2	4214874	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1270	569672.1	4214864	2.37E-03	1.34E-03	3.62E-04	2.04E-04	1.64E-04	8.42E-05
1271	569671	4214855	2.27E-03	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.06E-05
1272	569669.8	4214846	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1273	569668.7	4214836	2.09E-03	1.19E-03	3.20E-04	1.80E-04	1.44E-04	7.42E-05
1274	569673.4	4214819	1.95E-03	1.11E-03	2.98E-04	1.68E-04	1.35E-04	6.92E-05
1275	569679.1	4214812	1.87E-03	1.06E-03	2.86E-04	1.61E-04	1.29E-04	6.64E-05
1276	569684.9	4214804	1.80E-03	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.40E-05
1277	569690.6	4214797	1.76E-03	9.99E-04	2.69E-04	1.52E-04	1.22E-04	6.26E-05
1278	569696.4	4214789	1.73E-03	9.77E-04	2.63E-04	1.49E-04	1.19E-04	6.12E-05
1279	569688.8	4215006	4.09E-03	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
1280	569693.5	4215014	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1281	569698.2	4215023	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1282	569702.8	4215031	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
1283	569707.5	4215040	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
1284	569712.2	4215048	5.06E-03	2.87E-03	7.73E-04	4.36E-04	3.49E-04	1.80E-04
1285	569716.9	4215057	5.32E-03	3.01E-03	8.12E-04	4.58E-04	3.67E-04	1.89E-04
1286	569721.5	4215065	5.59E-03	3.17E-03	8.53E-04	4.82E-04	3.85E-04	1.98E-04
1287	569726.2	4215074	5.87E-03	3.33E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
1288	569730.9	4215082	6.18E-03	3.50E-03	9.43E-04	5.32E-04	4.26E-04	2.19E-04
1289	569735.6	4215091	6.51E-03	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
1290	569740.2	4215099	6.85E-03	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
1291	569744.9	4215108	7.20E-03	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
1292	569749.6	4215116	7.58E-03	4.30E-03	1.16E-03	6.53E-04	5.22E-04	2.69E-04
1293	569754.3	4215125	7.98E-03	4.52E-03	1.22E-03	6.88E-04	5.50E-04	2.83E-04
1294	569787	4215184	1.31E-02	7.43E-03	2.00E-03	1.13E-03	9.04E-04	4.65E-04
1295	569791.6	4215193	1.46E-02	8.25E-03	2.22E-03	1.26E-03	1.00E-03	5.17E-04
1296	569796.3	4215201	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04

1297	569801	4215210	1.62E-02	9.20E-03	2.48E-03	1.40E-03	1.12E-03	5.76E-04
1298	569805.7	4215218	1.68E-02	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
1299	569810.3	4215227	1.72E-02	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
1300	569678.9	4215001	4.01E-03	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
1301	569677.8	4214992	3.89E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1302	569676.7	4214983	3.78E-03	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
1303	569675.6	4214973	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1304	569674.5	4214964	3.58E-03	2.03E-03	5.46E-04	3.08E-04	2.47E-04	1.27E-04
1305	569673.4	4214955	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
1306	569672.3	4214945	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
1307	569671.2	4214936	3.26E-03	1.85E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
1308	569670.1	4214927	3.15E-03	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
1309	569669	4214917	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
1310	569667.9	4214908	2.90E-03	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
1311	569666.8	4214899	2.78E-03	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.87E-05
1312	569665.7	4214889	2.67E-03	1.51E-03	4.07E-04	2.30E-04	1.84E-04	9.46E-05
1313	569664.6	4214880	2.56E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.07E-05
1314	569663.5	4214871	2.45E-03	1.39E-03	3.75E-04	2.11E-04	1.69E-04	8.70E-05
1315	569662.4	4214861	2.36E-03	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1316	569661.3	4214852	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
1317	569660.2	4214843	2.19E-03	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
1318	569659.1	4214833	2.11E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.50E-05
1319	569680	4215011	4.14E-03	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
1320	569684.7	4215019	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1321	569689.4	4215028	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
1322	569694.1	4215036	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
1323	569698.7	4215045	4.87E-03	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
1324	569703.4	4215053	5.11E-03	2.89E-03	7.80E-04	4.40E-04	3.52E-04	1.81E-04
1325	569708.1	4215062	5.36E-03	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
1326	569712.8	4215070	5.62E-03	3.18E-03	8.58E-04	4.84E-04	3.87E-04	1.99E-04
1327	569717.4	4215079	5.89E-03	3.34E-03	9.00E-04	5.08E-04	4.06E-04	2.09E-04
1328	569722.1	4215087	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
1329	569726.8	4215096	6.52E-03	3.69E-03	9.96E-04	5.62E-04	4.49E-04	2.31E-04
1330	569731.5	4215104	6.86E-03	3.88E-03	1.05E-03	5.91E-04	4.73E-04	2.43E-04
1331	569736.1	4215113	7.22E-03	4.09E-03	1.10E-03	6.22E-04	4.98E-04	2.56E-04
1332	569740.8	4215121	7.62E-03	4.31E-03	1.16E-03	6.56E-04	5.25E-04	2.70E-04
1333	569773.5	4215181	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1334	569778.2	4215189	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1335	569782.9	4215198	1.41E-02	8.00E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1336	569787.6	4215206	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1337	569792.2	4215215	1.55E-02	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
1338	569796.9	4215223	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04
1339	569801.6	4215232	1.59E-02	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
1340	569670.2	4215006	4.05E-03	2.30E-03	6.19E-04	3.49E-04	2.79E-04	1.44E-04
1341	569669.1	4214997	3.94E-03	2.23E-03	6.02E-04	3.40E-04	2.72E-04	1.40E-04
1342	569668	4214988	3.84E-03	2.18E-03	5.87E-04	3.31E-04	2.65E-04	1.36E-04
1343	569666.9	4214978	3.74E-03	2.12E-03	5.71E-04	3.22E-04	2.58E-04	1.33E-04
1344	569665.8	4214969	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
1345	569664.7	4214960	3.54E-03	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
1346	569663.6	4214951	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1347	569662.5	4214941	3.30E-03	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1348	569661.4	4214932	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04

1349	569660.4	4214923	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
1350	569659.3	4214914	2.95E-03	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.05E-04
1351	569658.2	4214905	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
1352	569657.1	4214895	2.73E-03	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.68E-05
1353	569656	4214886	2.62E-03	1.49E-03	4.01E-04	2.26E-04	1.81E-04	9.30E-05
1354	569654.9	4214877	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1355	569653.8	4214868	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.68E-04	8.62E-05
1356	569652.7	4214858	2.35E-03	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.33E-05
1357	569651.6	4214849	2.27E-03	1.29E-03	3.47E-04	1.96E-04	1.56E-04	8.05E-05
1358	569650.5	4214840	2.20E-03	1.25E-03	3.36E-04	1.89E-04	1.52E-04	7.80E-05
1359	569671.3	4215015	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
1360	569676	4215024	4.35E-03	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
1361	569680.6	4215032	4.52E-03	2.56E-03	6.91E-04	3.90E-04	3.12E-04	1.60E-04
1362	569685.3	4215041	4.71E-03	2.67E-03	7.19E-04	4.06E-04	3.24E-04	1.67E-04
1363	569690	4215049	4.91E-03	2.78E-03	7.50E-04	4.23E-04	3.39E-04	1.74E-04
1364	569694.7	4215058	5.15E-03	2.92E-03	7.86E-04	4.43E-04	3.55E-04	1.83E-04
1365	569699.3	4215066	5.39E-03	3.05E-03	8.23E-04	4.64E-04	3.71E-04	1.91E-04
1366	569704	4215075	5.64E-03	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
1367	569708.7	4215083	5.92E-03	3.36E-03	9.04E-04	5.10E-04	4.08E-04	2.10E-04
1368	569713.4	4215092	6.22E-03	3.53E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
1369	569718	4215100	6.54E-03	3.71E-03	9.99E-04	5.64E-04	4.51E-04	2.32E-04
1370	569722.7	4215109	6.88E-03	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
1371	569727.4	4215117	7.27E-03	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
1372	569764.8	4215185	1.22E-02	6.91E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04
1373	569769.4	4215194	1.32E-02	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1374	569774.1	4215202	1.38E-02	7.79E-03	2.10E-03	1.19E-03	9.48E-04	4.88E-04
1375	569778.8	4215211	1.42E-02	8.06E-03	2.17E-03	1.23E-03	9.81E-04	5.05E-04
1376	569783.5	4215219	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1377	569788.1	4215228	1.52E-02	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
1378	569792.8	4215236	1.46E-02	8.28E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1379	569661.4	4215011	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
1380	569660.2	4215001	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
1381	569659.1	4214991	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
1382	569658	4214982	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.33E-04
1383	569656.8	4214972	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1384	569655.7	4214963	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1385	569654.6	4214953	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1386	569653.4	4214943	3.28E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
1387	569652.3	4214934	3.17E-03	1.79E-03	4.83E-04	2.73E-04	2.18E-04	1.12E-04
1388	569651.2	4214924	3.05E-03	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
1389	569650	4214915	2.93E-03	1.66E-03	4.48E-04	2.53E-04	2.02E-04	1.04E-04
1390	569648.9	4214905	2.82E-03	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
1391	569647.8	4214896	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1392	569646.6	4214886	2.62E-03	1.48E-03	4.00E-04	2.26E-04	1.80E-04	9.28E-05
1393	569645.5	4214876	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1394	569644.4	4214867	2.43E-03	1.38E-03	3.72E-04	2.10E-04	1.68E-04	8.63E-05
1395	569643.2	4214857	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1396	569662.5	4215020	4.22E-03	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
1397	569667.2	4215029	4.39E-03	2.48E-03	6.70E-04	3.78E-04	3.02E-04	1.56E-04
1398	569671.9	4215037	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
1399	569676.5	4215046	4.73E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1400	569681.2	4215054	4.95E-03	2.80E-03	7.55E-04	4.26E-04	3.41E-04	1.75E-04

1401	569685.9	4215063	5.17E-03	2.93E-03	7.90E-04	4.46E-04	3.56E-04	1.83E-04
1402	569690.6	4215071	5.41E-03	3.06E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1403	569695.2	4215080	5.67E-03	3.21E-03	8.65E-04	4.88E-04	3.91E-04	2.01E-04
1404	569699.9	4215088	5.95E-03	3.37E-03	9.09E-04	5.13E-04	4.10E-04	2.11E-04
1405	569704.6	4215097	6.25E-03	3.54E-03	9.54E-04	5.39E-04	4.31E-04	2.22E-04
1406	569709.3	4215105	6.57E-03	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
1407	569713.9	4215114	6.92E-03	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
1408	569718.6	4215122	7.33E-03	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
1409	569751.3	4215182	1.14E-02	6.47E-03	1.74E-03	9.84E-04	7.87E-04	4.05E-04
1410	569756	4215190	1.23E-02	6.95E-03	1.87E-03	1.06E-03	8.46E-04	4.35E-04
1411	569760.7	4215199	1.30E-02	7.37E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
1412	569765.4	4215207	1.33E-02	7.54E-03	2.03E-03	1.15E-03	9.17E-04	4.72E-04
1413	569770	4215216	1.37E-02	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1414	569774.7	4215224	1.42E-02	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
1415	569779.4	4215233	1.39E-02	7.89E-03	2.13E-03	1.20E-03	9.59E-04	4.94E-04
1416	569784.1	4215241	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1417	569652.6	4215015	4.11E-03	2.33E-03	6.28E-04	3.54E-04	2.83E-04	1.46E-04
1418	569651.5	4215006	4.00E-03	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1419	569650.4	4214997	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
1420	569649.3	4214987	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
1421	569648.1	4214978	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1422	569647	4214968	3.55E-03	2.01E-03	5.42E-04	3.06E-04	2.45E-04	1.26E-04
1423	569645.9	4214959	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1424	569644.8	4214949	3.31E-03	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1425	569643.6	4214940	3.19E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
1426	569642.5	4214930	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
1427	569641.4	4214921	2.98E-03	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
1428	569640.3	4214911	2.87E-03	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
1429	569639.1	4214902	2.77E-03	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
1430	569638	4214892	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
1431	569636.9	4214883	2.58E-03	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
1432	569635.8	4214873	2.50E-03	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
1433	569634.7	4214864	2.42E-03	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.59E-05
1434	569653.8	4215025	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
1435	569658.4	4215033	4.42E-03	2.50E-03	6.74E-04	3.80E-04	3.04E-04	1.57E-04
1436	569663.1	4215042	4.58E-03	2.59E-03	6.99E-04	3.95E-04	3.16E-04	1.62E-04
1437	569667.8	4215050	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.28E-04	1.69E-04
1438	569672.5	4215059	4.97E-03	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1439	569677.1	4215067	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1440	569681.8	4215076	5.41E-03	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1441	569686.5	4215084	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1442	569691.2	4215093	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
1443	569695.8	4215101	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
1444	569700.5	4215110	6.59E-03	3.74E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
1445	569737.9	4215178	1.07E-02	6.09E-03	1.64E-03	9.26E-04	7.40E-04	3.81E-04
1446	569742.6	4215187	1.15E-02	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
1447	569747.2	4215195	1.23E-02	6.98E-03	1.88E-03	1.06E-03	8.49E-04	4.37E-04
1448	569751.9	4215204	1.26E-02	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
1449	569756.6	4215212	1.28E-02	7.25E-03	1.95E-03	1.10E-03	8.82E-04	4.54E-04
1450	569761.3	4215221	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1451	569765.9	4215229	1.32E-02	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1452	569770.6	4215238	1.27E-02	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04

1453	569775.3	4215246	1.23E-02	6.96E-03	1.87E-03	1.06E-03	8.46E-04	4.36E-04
1454	569643.9	4215020	4.14E-03	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
1455	569642.8	4215011	4.02E-03	2.28E-03	6.14E-04	3.47E-04	2.77E-04	1.43E-04
1456	569641.7	4215002	3.92E-03	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
1457	569640.5	4214992	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1458	569639.4	4214983	3.71E-03	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
1459	569638.3	4214973	3.58E-03	2.03E-03	5.47E-04	3.08E-04	2.47E-04	1.27E-04
1460	569637.2	4214964	3.45E-03	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1461	569636.1	4214955	3.33E-03	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
1462	569635	4214945	3.22E-03	1.82E-03	4.91E-04	2.77E-04	2.22E-04	1.14E-04
1463	569633.9	4214936	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
1464	569632.7	4214926	3.01E-03	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
1465	569631.6	4214917	2.91E-03	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
1466	569630.5	4214908	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
1467	569629.4	4214898	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1468	569628.3	4214889	2.64E-03	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.35E-05
1469	569627.2	4214879	2.56E-03	1.45E-03	3.91E-04	2.21E-04	1.76E-04	9.08E-05
1470	569626.1	4214870	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
1471	569645	4215030	4.28E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
1472	569649.7	4215038	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1473	569654.3	4215047	4.59E-03	2.60E-03	7.01E-04	3.96E-04	3.17E-04	1.63E-04
1474	569659	4215055	4.79E-03	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
1475	569663.7	4215064	4.98E-03	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
1476	569668.4	4215072	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1477	569673	4215081	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1478	569677.7	4215089	5.69E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1479	569682.4	4215098	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.11E-04	2.12E-04
1480	569687.1	4215106	6.28E-03	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
1481	569691.7	4215115	6.60E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
1482	569724.5	4215174	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
1483	569729.1	4215183	1.08E-02	6.12E-03	1.65E-03	9.32E-04	7.45E-04	3.83E-04
1484	569733.8	4215191	1.15E-02	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1485	569738.5	4215200	1.20E-02	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.26E-04
1486	569743.2	4215208	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1487	569747.8	4215217	1.23E-02	6.97E-03	1.88E-03	1.06E-03	8.48E-04	4.36E-04
1488	569752.5	4215225	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1489	569757.2	4215234	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
1490	569761.9	4215242	1.17E-02	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1491	569766.5	4215251	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.02E-04
1492	569635.1	4215025	4.17E-03	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1493	569634	4215016	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1494	569632.9	4215007	3.94E-03	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.40E-04
1495	569631.8	4214997	3.83E-03	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1496	569630.7	4214988	3.73E-03	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
1497	569629.6	4214979	3.61E-03	2.04E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04
1498	569628.5	4214969	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1499	569627.4	4214960	3.35E-03	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
1500	569626.3	4214951	3.24E-03	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
1501	569625.2	4214941	3.14E-03	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
1502	569624.1	4214932	3.05E-03	1.73E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1503	569623	4214923	2.95E-03	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
1504	569621.9	4214913	2.86E-03	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04

1505	569620.8	4214904	2.77E-03	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.82E-05
1506	569619.7	4214895	2.69E-03	1.52E-03	4.10E-04	2.32E-04	1.85E-04	9.53E-05
1507	569618.6	4214885	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
1508	569636.2	4215035	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1509	569640.9	4215043	4.44E-03	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
1510	569645.6	4215052	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.64E-04
1511	569650.3	4215060	4.80E-03	2.72E-03	7.32E-04	4.13E-04	3.31E-04	1.70E-04
1512	569654.9	4215069	4.99E-03	2.82E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
1513	569659.6	4215077	5.18E-03	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
1514	569664.3	4215086	5.42E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1515	569669	4215094	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1516	569673.6	4215103	5.96E-03	3.38E-03	9.10E-04	5.14E-04	4.11E-04	2.11E-04
1517	569678.3	4215111	6.25E-03	3.54E-03	9.55E-04	5.39E-04	4.31E-04	2.22E-04
1518	569683	4215120	6.56E-03	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
1519	569711	4215171	9.20E-03	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1520	569715.7	4215179	9.94E-03	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
1521	569720.4	4215188	1.07E-02	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1522	569725	4215196	1.15E-02	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1523	569729.7	4215205	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
1524	569734.4	4215213	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
1525	569739.1	4215222	1.18E-02	6.71E-03	1.81E-03	1.02E-03	8.16E-04	4.20E-04
1526	569743.7	4215230	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1527	569748.4	4215239	1.13E-02	6.37E-03	1.72E-03	9.70E-04	7.75E-04	3.99E-04
1528	569753.1	4215247	1.09E-02	6.16E-03	1.66E-03	9.37E-04	7.49E-04	3.86E-04
1529	569757.8	4215256	1.06E-02	5.98E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1530	569626.3	4215030	4.17E-03	2.36E-03	6.37E-04	3.60E-04	2.88E-04	1.48E-04
1531	569625.2	4215020	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1532	569624	4215011	3.93E-03	2.22E-03	6.00E-04	3.38E-04	2.71E-04	1.39E-04
1533	569622.9	4215001	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1534	569621.8	4214991	3.71E-03	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1535	569620.6	4214982	3.59E-03	2.03E-03	5.48E-04	3.09E-04	2.47E-04	1.27E-04
1536	569619.5	4214972	3.46E-03	1.96E-03	5.29E-04	2.98E-04	2.39E-04	1.23E-04
1537	569618.3	4214962	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
1538	569617.2	4214953	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
1539	569616.1	4214943	3.13E-03	1.77E-03	4.78E-04	2.69E-04	2.15E-04	1.11E-04
1540	569614.9	4214933	3.03E-03	1.72E-03	4.63E-04	2.61E-04	2.09E-04	1.08E-04
1541	569613.8	4214924	2.94E-03	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.04E-04
1542	569612.6	4214914	2.85E-03	1.62E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
1543	569611.5	4214905	2.76E-03	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.81E-05
1544	569610.4	4214895	2.68E-03	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
1545	569627.5	4215039	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1546	569632.1	4215048	4.45E-03	2.52E-03	6.80E-04	3.83E-04	3.07E-04	1.58E-04
1547	569636.8	4215056	4.62E-03	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
1548	569641.5	4215065	4.80E-03	2.72E-03	7.33E-04	4.13E-04	3.31E-04	1.70E-04
1549	569646.2	4215073	4.98E-03	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
1550	569650.8	4215082	5.18E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1551	569655.5	4215090	5.42E-03	3.07E-03	8.27E-04	4.67E-04	3.73E-04	1.92E-04
1552	569660.2	4215099	5.67E-03	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
1553	569664.9	4215107	5.94E-03	3.37E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
1554	569669.5	4215116	6.21E-03	3.52E-03	9.48E-04	5.35E-04	4.28E-04	2.20E-04
1555	569674.2	4215124	6.50E-03	3.68E-03	9.93E-04	5.60E-04	4.48E-04	2.31E-04
1556	569688.2	4215150	7.51E-03	4.25E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04

1557	569692.9	4215158	7.88E-03	4.47E-03	1.20E-03	6.79E-04	5.43E-04	2.80E-04
1558	569697.6	4215167	8.35E-03	4.73E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
1559	569702.3	4215175	9.00E-03	5.10E-03	1.37E-03	7.76E-04	6.20E-04	3.19E-04
1560	569706.9	4215184	9.73E-03	5.51E-03	1.49E-03	8.38E-04	6.70E-04	3.45E-04
1561	569711.6	4215192	1.05E-02	5.95E-03	1.60E-03	9.05E-04	7.24E-04	3.73E-04
1562	569716.3	4215201	1.10E-02	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
1563	569721	4215209	1.12E-02	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.97E-04
1564	569725.6	4215218	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
1565	569730.3	4215226	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1566	569735	4215235	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
1567	569739.7	4215243	1.05E-02	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1568	569744.3	4215252	1.01E-02	5.75E-03	1.55E-03	8.74E-04	6.99E-04	3.60E-04
1569	569749	4215260	9.86E-03	5.59E-03	1.51E-03	8.50E-04	6.79E-04	3.50E-04
1570	569984.8	4215238	5.42E-02	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1571	569985.1	4215248	4.98E-02	2.82E-02	7.61E-03	4.29E-03	3.43E-03	1.77E-03
1572	569985.4	4215257	4.53E-02	2.57E-02	6.92E-03	3.91E-03	3.12E-03	1.61E-03
1573	569985.7	4215267	4.08E-02	2.31E-02	6.22E-03	3.51E-03	2.81E-03	1.45E-03
1574	569986	4215277	3.67E-02	2.08E-02	5.60E-03	3.16E-03	2.53E-03	1.30E-03
1575	569986.3	4215287	3.33E-02	1.89E-02	5.09E-03	2.87E-03	2.30E-03	1.18E-03
1576	569986.7	4215296	3.25E-02	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
1577	569987	4215306	3.21E-02	1.82E-02	4.90E-03	2.77E-03	2.21E-03	1.14E-03
1578	569987.3	4215316	3.21E-02	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1579	569987.6	4215325	3.31E-02	1.88E-02	5.06E-03	2.86E-03	2.28E-03	1.18E-03
1580	569987.9	4215335	3.45E-02	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1581	569988.2	4215345	3.68E-02	2.09E-02	5.62E-03	3.17E-03	2.54E-03	1.31E-03
1582	569988.6	4215354	3.66E-02	2.07E-02	5.58E-03	3.15E-03	2.52E-03	1.30E-03
1583	569988.9	4215364	3.56E-02	2.02E-02	5.43E-03	3.07E-03	2.45E-03	1.26E-03
1584	569989.2	4215374	3.56E-02	2.02E-02	5.44E-03	3.07E-03	2.46E-03	1.26E-03
1585	569973.5	4215200	5.88E-02	3.33E-02	8.97E-03	5.06E-03	4.05E-03	2.08E-03
1586	569973.8	4215209	5.67E-02	3.21E-02	8.65E-03	4.88E-03	3.90E-03	2.01E-03
1587	569974.1	4215219	5.35E-02	3.03E-02	8.16E-03	4.61E-03	3.68E-03	1.90E-03
1588	569974.5	4215229	4.99E-02	2.83E-02	7.63E-03	4.30E-03	3.44E-03	1.77E-03
1589	569974.8	4215238	4.67E-02	2.65E-02	7.13E-03	4.02E-03	3.22E-03	1.66E-03
1590	569975.1	4215248	4.33E-02	2.45E-02	6.62E-03	3.73E-03	2.99E-03	1.54E-03
1591	569975.4	4215258	3.99E-02	2.26E-02	6.09E-03	3.44E-03	2.75E-03	1.41E-03
1592	569975.7	4215267	3.62E-02	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1593	569976	4215277	3.29E-02	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1594	569976.4	4215287	3.03E-02	1.72E-02	4.63E-03	2.61E-03	2.09E-03	1.08E-03
1595	569976.7	4215297	2.98E-02	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1596	569977	4215306	2.96E-02	1.68E-02	4.51E-03	2.55E-03	2.04E-03	1.05E-03
1597	569977.3	4215316	2.96E-02	1.68E-02	4.52E-03	2.55E-03	2.04E-03	1.05E-03
1598	569977.6	4215326	3.07E-02	1.74E-02	4.69E-03	2.65E-03	2.12E-03	1.09E-03
1599	569977.9	4215335	3.21E-02	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1600	569978.2	4215345	3.43E-02	1.95E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1601	569978.6	4215355	3.42E-02	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.21E-03
1602	569978.9	4215364	3.38E-02	1.91E-02	5.16E-03	2.91E-03	2.33E-03	1.20E-03
1603	569979.2	4215374	3.50E-02	1.98E-02	5.35E-03	3.02E-03	2.41E-03	1.24E-03
1604	569962.6	4215171	5.36E-02	3.04E-02	8.18E-03	4.62E-03	3.69E-03	1.90E-03
1605	569962.9	4215181	5.42E-02	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1606	569963.2	4215190	5.34E-02	3.02E-02	8.15E-03	4.60E-03	3.68E-03	1.89E-03
1607	569963.5	4215200	5.20E-02	2.94E-02	7.94E-03	4.48E-03	3.58E-03	1.84E-03
1608	569963.8	4215210	4.94E-02	2.80E-02	7.54E-03	4.25E-03	3.40E-03	1.75E-03

1609	569964.2	4215219	4.61E-02	2.61E-02	7.03E-03	3.97E-03	3.17E-03	1.63E-03
1610	569964.5	4215229	4.29E-02	2.43E-02	6.54E-03	3.69E-03	2.95E-03	1.52E-03
1611	569964.8	4215239	4.05E-02	2.29E-02	6.18E-03	3.49E-03	2.79E-03	1.44E-03
1612	569965.1	4215248	3.80E-02	2.15E-02	5.80E-03	3.28E-03	2.62E-03	1.35E-03
1613	569965.4	4215258	3.54E-02	2.01E-02	5.41E-03	3.05E-03	2.44E-03	1.26E-03
1614	569965.7	4215268	3.23E-02	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1615	569966	4215277	2.97E-02	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1616	569966.4	4215287	2.77E-02	1.57E-02	4.23E-03	2.39E-03	1.91E-03	9.82E-04
1617	569966.7	4215297	2.74E-02	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.72E-04
1618	569967	4215307	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1619	569967.3	4215316	2.74E-02	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.70E-04
1620	569967.6	4215326	2.85E-02	1.62E-02	4.35E-03	2.46E-03	1.97E-03	1.01E-03
1621	569967.9	4215336	2.98E-02	1.69E-02	4.56E-03	2.57E-03	2.06E-03	1.06E-03
1622	569968.2	4215345	3.14E-02	1.78E-02	4.79E-03	2.71E-03	2.16E-03	1.11E-03
1623	569968.6	4215355	3.15E-02	1.78E-02	4.80E-03	2.71E-03	2.17E-03	1.12E-03
1624	569968.9	4215365	3.22E-02	1.83E-02	4.92E-03	2.78E-03	2.22E-03	1.14E-03
1625	569969.2	4215374	3.48E-02	1.97E-02	5.32E-03	3.00E-03	2.40E-03	1.24E-03
1626	569952.3	4215162	4.68E-02	2.65E-02	7.14E-03	4.03E-03	3.22E-03	1.66E-03
1627	569952.6	4215171	4.82E-02	2.73E-02	7.37E-03	4.16E-03	3.32E-03	1.71E-03
1628	569952.9	4215181	4.86E-02	2.75E-02	7.42E-03	4.19E-03	3.35E-03	1.72E-03
1629	569953.2	4215191	4.79E-02	2.71E-02	7.31E-03	4.12E-03	3.30E-03	1.70E-03
1630	569953.5	4215200	4.65E-02	2.64E-02	7.11E-03	4.01E-03	3.21E-03	1.65E-03
1631	569953.8	4215210	4.39E-02	2.49E-02	6.71E-03	3.78E-03	3.03E-03	1.56E-03
1632	569954.2	4215220	4.07E-02	2.30E-02	6.21E-03	3.51E-03	2.80E-03	1.44E-03
1633	569954.5	4215229	3.77E-02	2.13E-02	5.75E-03	3.25E-03	2.60E-03	1.34E-03
1634	569954.8	4215239	3.56E-02	2.02E-02	5.44E-03	3.07E-03	2.45E-03	1.26E-03
1635	569955.1	4215249	3.35E-02	1.90E-02	5.12E-03	2.89E-03	2.31E-03	1.19E-03
1636	569955.4	4215258	3.14E-02	1.78E-02	4.80E-03	2.71E-03	2.16E-03	1.11E-03
1637	569955.7	4215268	2.92E-02	1.65E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
1638	569956	4215278	2.73E-02	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1639	569956.4	4215287	2.58E-02	1.46E-02	3.94E-03	2.23E-03	1.78E-03	9.16E-04
1640	569956.7	4215297	2.56E-02	1.45E-02	3.90E-03	2.20E-03	1.76E-03	9.07E-04
1641	569957	4215307	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.02E-04
1642	569957.3	4215317	2.55E-02	1.44E-02	3.89E-03	2.20E-03	1.76E-03	9.05E-04
1643	569957.6	4215326	2.65E-02	1.50E-02	4.04E-03	2.28E-03	1.82E-03	9.39E-04
1644	569957.9	4215336	2.75E-02	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.77E-04
1645	569958.3	4215346	2.88E-02	1.63E-02	4.40E-03	2.49E-03	1.99E-03	1.02E-03
1646	569958.6	4215355	2.92E-02	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1647	569958.9	4215365	3.05E-02	1.73E-02	4.66E-03	2.63E-03	2.10E-03	1.08E-03
1648	569959.2	4215375	3.45E-02	1.95E-02	5.27E-03	2.97E-03	2.38E-03	1.22E-03
1649	569942.6	4215172	4.38E-02	2.48E-02	6.69E-03	3.77E-03	3.02E-03	1.55E-03
1650	569942.9	4215181	4.40E-02	2.49E-02	6.72E-03	3.79E-03	3.03E-03	1.56E-03
1651	569943.2	4215191	4.39E-02	2.49E-02	6.70E-03	3.78E-03	3.02E-03	1.56E-03
1652	569943.5	4215201	4.19E-02	2.37E-02	6.40E-03	3.61E-03	2.89E-03	1.49E-03
1653	569943.8	4215210	3.93E-02	2.23E-02	6.00E-03	3.39E-03	2.71E-03	1.39E-03
1654	569944.2	4215220	3.62E-02	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1655	569944.5	4215230	3.34E-02	1.89E-02	5.10E-03	2.88E-03	2.30E-03	1.18E-03
1656	569944.8	4215239	3.16E-02	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
1657	569945.1	4215249	2.97E-02	1.68E-02	4.54E-03	2.56E-03	2.05E-03	1.05E-03
1658	569945.4	4215259	2.80E-02	1.59E-02	4.28E-03	2.42E-03	1.93E-03	9.94E-04
1659	569945.7	4215268	2.66E-02	1.51E-02	4.06E-03	2.29E-03	1.83E-03	9.42E-04
1660	569946.1	4215278	2.53E-02	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.96E-04

1661	569946.4	4215288	2.43E-02	1.38E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1662	569946.7	4215297	2.40E-02	1.36E-02	3.67E-03	2.07E-03	1.65E-03	8.51E-04
1663	569947	4215307	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
1664	569947.3	4215317	2.39E-02	1.35E-02	3.65E-03	2.06E-03	1.64E-03	8.47E-04
1665	569947.6	4215327	2.46E-02	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1666	569947.9	4215336	2.54E-02	1.44E-02	3.87E-03	2.19E-03	1.75E-03	8.99E-04
1667	569948.3	4215346	2.63E-02	1.49E-02	4.02E-03	2.27E-03	1.82E-03	9.35E-04
1668	569948.6	4215356	2.70E-02	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1669	569948.9	4215365	2.90E-02	1.64E-02	4.43E-03	2.50E-03	2.00E-03	1.03E-03
1670	569949.2	4215375	3.43E-02	1.94E-02	5.24E-03	2.96E-03	2.36E-03	1.22E-03
1671	569932.6	4215172	4.01E-02	2.27E-02	6.12E-03	3.45E-03	2.76E-03	1.42E-03
1672	569932.9	4215182	4.01E-02	2.27E-02	6.12E-03	3.46E-03	2.76E-03	1.42E-03
1673	569933.2	4215191	4.00E-02	2.27E-02	6.11E-03	3.45E-03	2.76E-03	1.42E-03
1674	569933.5	4215201	3.79E-02	2.15E-02	5.79E-03	3.27E-03	2.61E-03	1.35E-03
1675	569933.9	4215211	3.53E-02	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1676	569934.2	4215220	3.23E-02	1.83E-02	4.93E-03	2.78E-03	2.23E-03	1.15E-03
1677	569934.5	4215230	2.98E-02	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1678	569934.8	4215240	2.81E-02	1.59E-02	4.30E-03	2.42E-03	1.94E-03	9.98E-04
1679	569935.1	4215249	2.65E-02	1.50E-02	4.05E-03	2.29E-03	1.83E-03	9.42E-04
1680	569935.4	4215259	2.52E-02	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.95E-04
1681	569935.7	4215269	2.43E-02	1.38E-02	3.71E-03	2.10E-03	1.68E-03	8.63E-04
1682	569936.1	4215278	2.35E-02	1.33E-02	3.59E-03	2.03E-03	1.62E-03	8.34E-04
1683	569936.4	4215288	2.29E-02	1.30E-02	3.49E-03	1.97E-03	1.58E-03	8.11E-04
1684	569936.7	4215298	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
1685	569937	4215307	2.24E-02	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.94E-04
1686	569937.3	4215317	2.24E-02	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.93E-04
1687	569937.6	4215327	2.28E-02	1.29E-02	3.49E-03	1.97E-03	1.57E-03	8.10E-04
1688	569937.9	4215336	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
1689	569938.3	4215346	2.44E-02	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
1690	569938.6	4215356	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1691	569938.9	4215366	2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.93E-03	9.96E-04
1692	569939.2	4215375	3.47E-02	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
1693	569922.9	4215182	3.69E-02	2.09E-02	5.63E-03	3.18E-03	2.54E-03	1.31E-03
1694	569923.2	4215192	3.70E-02	2.09E-02	5.64E-03	3.18E-03	2.55E-03	1.31E-03
1695	569923.5	4215201	3.53E-02	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1696	569923.9	4215211	3.27E-02	1.85E-02	4.99E-03	2.82E-03	2.25E-03	1.16E-03
1697	569924.2	4215221	2.97E-02	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1698	569924.5	4215230	2.73E-02	1.54E-02	4.16E-03	2.35E-03	1.88E-03	9.67E-04
1699	569924.8	4215240	2.57E-02	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.11E-04
1700	569925.1	4215250	2.42E-02	1.37E-02	3.69E-03	2.08E-03	1.67E-03	8.57E-04
1701	569925.4	4215259	2.30E-02	1.30E-02	3.51E-03	1.98E-03	1.59E-03	8.16E-04
1702	569925.7	4215269	2.23E-02	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.92E-04
1703	569926.1	4215279	2.18E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.72E-04
1704	569926.4	4215288	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1705	569926.7	4215298	2.10E-02	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.45E-04
1706	569927	4215308	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1707	569927.3	4215317	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1708	569927.6	4215327	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
1709	569928	4215337	2.19E-02	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.78E-04
1710	569928.3	4215346	2.29E-02	1.30E-02	3.50E-03	1.97E-03	1.58E-03	8.12E-04
1711	569928.6	4215356	2.42E-02	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1712	569928.9	4215366	2.73E-02	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04

1713	569929.2	4215376	3.46E-02	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1714	569912.9	4215182	3.41E-02	1.93E-02	5.20E-03	2.93E-03	2.35E-03	1.21E-03
1715	569913.2	4215192	3.43E-02	1.94E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1716	569913.5	4215202	3.29E-02	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1717	569913.9	4215211	3.04E-02	1.72E-02	4.64E-03	2.62E-03	2.09E-03	1.08E-03
1718	569914.2	4215221	2.74E-02	1.55E-02	4.19E-03	2.36E-03	1.89E-03	9.73E-04
1719	569914.5	4215231	2.51E-02	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.90E-04
1720	569914.8	4215240	2.36E-02	1.34E-02	3.60E-03	2.03E-03	1.62E-03	8.36E-04
1721	569915.1	4215250	2.22E-02	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.86E-04
1722	569915.4	4215260	2.11E-02	1.20E-02	3.22E-03	1.82E-03	1.45E-03	7.49E-04
1723	569915.8	4215269	2.06E-02	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1724	569916.1	4215279	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1725	569916.4	4215289	1.97E-02	1.11E-02	3.00E-03	1.70E-03	1.36E-03	6.98E-04
1726	569916.7	4215298	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
1727	569917	4215308	1.93E-02	1.10E-02	2.95E-03	1.67E-03	1.33E-03	6.86E-04
1728	569917.3	4215318	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
1729	569917.6	4215327	1.99E-02	1.13E-02	3.03E-03	1.71E-03	1.37E-03	7.04E-04
1730	569918	4215337	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1731	569918.3	4215347	2.17E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1732	569918.6	4215356	2.31E-02	1.31E-02	3.53E-03	1.99E-03	1.59E-03	8.19E-04
1733	569918.9	4215366	2.61E-02	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.26E-04
1734	569919.2	4215376	3.24E-02	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1735	569903.2	4215192	3.20E-02	1.81E-02	4.89E-03	2.76E-03	2.21E-03	1.14E-03
1736	569903.6	4215202	3.08E-02	1.74E-02	4.70E-03	2.65E-03	2.12E-03	1.09E-03
1737	569903.9	4215212	2.83E-02	1.61E-02	4.33E-03	2.44E-03	1.95E-03	1.01E-03
1738	569904.2	4215221	2.54E-02	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1739	569904.5	4215231	2.32E-02	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
1740	569904.8	4215241	2.17E-02	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1741	569905.1	4215250	2.04E-02	1.15E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
1742	569905.4	4215260	1.95E-02	1.10E-02	2.98E-03	1.68E-03	1.34E-03	6.91E-04
1743	569905.8	4215270	1.91E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.76E-04
1744	569906.1	4215279	1.87E-02	1.06E-02	2.85E-03	1.61E-03	1.29E-03	6.62E-04
1745	569906.4	4215289	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
1746	569906.7	4215299	1.80E-02	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
1747	569907	4215308	1.78E-02	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1748	569907.3	4215318	1.78E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
1749	569907.6	4215328	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1750	569908	4215337	1.94E-02	1.10E-02	2.97E-03	1.67E-03	1.34E-03	6.89E-04
1751	569908.3	4215347	2.06E-02	1.16E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1752	569908.6	4215357	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1753	569908.9	4215366	2.42E-02	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1754	569909.2	4215376	2.85E-02	1.61E-02	4.35E-03	2.45E-03	1.96E-03	1.01E-03
1755	569893.2	4215193	3.00E-02	1.70E-02	4.58E-03	2.59E-03	2.07E-03	1.06E-03
1756	569893.6	4215202	2.91E-02	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1757	569893.9	4215212	2.70E-02	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1758	569894.2	4215222	2.43E-02	1.37E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1759	569894.5	4215231	2.21E-02	1.25E-02	3.38E-03	1.91E-03	1.53E-03	7.85E-04
1760	569894.8	4215241	2.06E-02	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1761	569895.1	4215251	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.84E-04
1762	569895.4	4215260	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.27E-03	6.51E-04
1763	569895.8	4215270	1.78E-02	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1764	569896.1	4215280	1.73E-02	9.80E-03	2.64E-03	1.49E-03	1.19E-03	6.14E-04

1765	569896.4	4215289	1.69E-02	9.60E-03	2.59E-03	1.46E-03	1.17E-03	6.01E-04
1766	569896.7	4215299	1.67E-02	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
1767	569897	4215309	1.66E-02	9.39E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1768	569897.3	4215318	1.66E-02	9.40E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1769	569897.7	4215328	1.71E-02	9.71E-03	2.62E-03	1.48E-03	1.18E-03	6.08E-04
1770	569898	4215338	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
1771	569898.3	4215347	1.93E-02	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1772	569898.6	4215357	2.03E-02	1.15E-02	3.10E-03	1.75E-03	1.40E-03	7.20E-04
1773	569898.9	4215367	2.21E-02	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1774	569883.6	4215203	2.76E-02	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.79E-04
1775	569883.9	4215212	2.57E-02	1.46E-02	3.93E-03	2.22E-03	1.77E-03	9.13E-04
1776	569884.2	4215222	2.32E-02	1.32E-02	3.55E-03	2.00E-03	1.60E-03	8.24E-04
1777	569884.5	4215232	2.12E-02	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.52E-04
1778	569884.8	4215241	1.97E-02	1.11E-02	3.01E-03	1.70E-03	1.36E-03	6.98E-04
1779	569885.1	4215251	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
1780	569885.5	4215261	1.74E-02	9.84E-03	2.65E-03	1.50E-03	1.20E-03	6.16E-04
1781	569885.8	4215270	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1782	569886.1	4215280	1.61E-02	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.71E-04
1783	569886.4	4215290	1.57E-02	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
1784	569886.7	4215299	1.56E-02	8.84E-03	2.38E-03	1.34E-03	1.08E-03	5.53E-04
1785	569887	4215309	1.55E-02	8.79E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1786	569887.3	4215319	1.56E-02	8.82E-03	2.38E-03	1.34E-03	1.07E-03	5.52E-04
1787	569887.7	4215328	1.60E-02	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
1788	569888	4215338	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1789	569888.3	4215348	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1790	569888.6	4215357	1.87E-02	1.06E-02	2.86E-03	1.61E-03	1.29E-03	6.63E-04
1791	569888.9	4215367	1.99E-02	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.06E-04
1792	569873.6	4215203	2.62E-02	1.48E-02	4.00E-03	2.25E-03	1.80E-03	9.28E-04
1793	569873.9	4215213	2.46E-02	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1794	569874.2	4215222	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.90E-04
1795	569874.5	4215232	2.03E-02	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
1796	569874.8	4215242	1.88E-02	1.07E-02	2.87E-03	1.62E-03	1.30E-03	6.67E-04
1797	569875.1	4215251	1.75E-02	9.90E-03	2.67E-03	1.51E-03	1.20E-03	6.20E-04
1798	569875.5	4215261	1.65E-02	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.84E-04
1799	569875.8	4215271	1.57E-02	8.88E-03	2.39E-03	1.35E-03	1.08E-03	5.56E-04
1800	569876.1	4215280	1.50E-02	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
1801	569876.4	4215290	1.47E-02	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
1802	569876.7	4215300	1.46E-02	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
1803	569877	4215309	1.46E-02	8.25E-03	2.22E-03	1.25E-03	1.00E-03	5.17E-04
1804	569877.3	4215319	1.46E-02	8.29E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1805	569877.7	4215329	1.50E-02	8.48E-03	2.29E-03	1.29E-03	1.03E-03	5.31E-04
1806	569878	4215338	1.55E-02	8.78E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1807	569878.3	4215348	1.62E-02	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
1808	569878.6	4215358	1.69E-02	9.59E-03	2.59E-03	1.46E-03	1.17E-03	6.00E-04
1809	569878.9	4215367	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1810	569863.9	4215213	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.32E-04
1811	569864.2	4215223	2.18E-02	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1812	569864.5	4215232	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1813	569864.8	4215242	1.85E-02	1.05E-02	2.83E-03	1.59E-03	1.28E-03	6.57E-04
1814	569865.1	4215252	1.71E-02	9.66E-03	2.60E-03	1.47E-03	1.18E-03	6.05E-04
1815	569865.5	4215261	1.60E-02	9.05E-03	2.44E-03	1.38E-03	1.10E-03	5.67E-04
1816	569865.8	4215271	1.52E-02	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04

1817	569866.1	4215281	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
1818	569866.4	4215290	1.41E-02	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
1819	569866.7	4215300	1.40E-02	7.90E-03	2.13E-03	1.20E-03	9.61E-04	4.95E-04
1820	569867	4215310	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
1821	569867.4	4215319	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.53E-04	4.91E-04
1822	569867.7	4215329	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.68E-04	4.98E-04
1823	569868	4215339	1.44E-02	8.15E-03	2.20E-03	1.24E-03	9.92E-04	5.11E-04
1824	569868.3	4215348	1.49E-02	8.44E-03	2.27E-03	1.28E-03	1.03E-03	5.28E-04
1825	569868.6	4215358	1.55E-02	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
1826	569868.9	4215368	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
1827	569853.9	4215213	2.24E-02	1.27E-02	3.43E-03	1.93E-03	1.55E-03	7.96E-04
1828	569854.2	4215223	2.13E-02	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.56E-04
1829	569854.5	4215233	1.98E-02	1.12E-02	3.03E-03	1.71E-03	1.37E-03	7.03E-04
1830	569854.8	4215242	1.82E-02	1.03E-02	2.78E-03	1.57E-03	1.26E-03	6.47E-04
1831	569855.2	4215252	1.67E-02	9.47E-03	2.55E-03	1.44E-03	1.15E-03	5.93E-04
1832	569855.5	4215262	1.56E-02	8.85E-03	2.39E-03	1.35E-03	1.08E-03	5.54E-04
1833	569855.8	4215271	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.26E-04
1834	569856.1	4215281	1.41E-02	8.01E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1835	569856.4	4215291	1.37E-02	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1836	569856.7	4215300	1.35E-02	7.62E-03	2.05E-03	1.16E-03	9.27E-04	4.77E-04
1837	569857	4215310	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
1838	569857.4	4215320	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
1839	569857.7	4215329	1.32E-02	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
1840	569858	4215339	1.34E-02	7.57E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1841	569858.3	4215349	1.36E-02	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
1842	569858.6	4215358	1.40E-02	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
1843	569858.9	4215368	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1844	569844.2	4215223	2.08E-02	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1845	569844.5	4215233	1.95E-02	1.11E-02	2.98E-03	1.68E-03	1.35E-03	6.93E-04
1846	569844.8	4215243	1.80E-02	1.02E-02	2.74E-03	1.55E-03	1.24E-03	6.37E-04
1847	569845.2	4215252	1.64E-02	9.29E-03	2.50E-03	1.41E-03	1.13E-03	5.82E-04
1848	569845.5	4215262	1.53E-02	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
1849	569845.8	4215272	1.45E-02	8.22E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1850	569846.1	4215281	1.38E-02	7.83E-03	2.11E-03	1.19E-03	9.52E-04	4.90E-04
1851	569846.4	4215291	1.33E-02	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.72E-04
1852	569846.7	4215301	1.30E-02	7.34E-03	1.98E-03	1.12E-03	8.93E-04	4.60E-04
1853	569847.1	4215310	1.26E-02	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
1854	569847.4	4215320	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1855	569847.7	4215330	1.24E-02	7.02E-03	1.89E-03	1.07E-03	8.54E-04	4.40E-04
1856	569848	4215339	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1857	569848.3	4215349	1.25E-02	7.11E-03	1.92E-03	1.08E-03	8.65E-04	4.45E-04
1858	569848.6	4215359	1.28E-02	7.26E-03	1.96E-03	1.10E-03	8.83E-04	4.54E-04
1859	569848.9	4215368	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
1860	569834.2	4215224	1.97E-02	1.12E-02	3.01E-03	1.70E-03	1.36E-03	6.99E-04
1861	569834.5	4215233	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1862	569834.9	4215243	1.72E-02	9.74E-03	2.63E-03	1.48E-03	1.19E-03	6.10E-04
1863	569835.2	4215253	1.58E-02	8.95E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
1864	569835.5	4215262	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1865	569835.8	4215272	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
1866	569836.1	4215282	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
1867	569836.4	4215291	1.29E-02	7.29E-03	1.97E-03	1.11E-03	8.87E-04	4.56E-04
1868	569836.7	4215301	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04

1869	569837.1	4215311	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1870	569837.4	4215320	1.18E-02	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1871	569837.7	4215330	1.17E-02	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1872	569838	4215340	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1873	569838.3	4215349	1.17E-02	6.62E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
1874	569838.6	4215359	1.18E-02	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1875	569838.9	4215369	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1876	569824.5	4215234	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
1877	569824.9	4215243	1.64E-02	9.31E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
1878	569825.2	4215253	1.52E-02	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04
1879	569825.5	4215263	1.43E-02	8.08E-03	2.18E-03	1.23E-03	9.82E-04	5.06E-04
1880	569825.8	4215272	1.35E-02	7.67E-03	2.07E-03	1.17E-03	9.33E-04	4.80E-04
1881	569826.1	4215282	1.29E-02	7.32E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1882	569826.4	4215292	1.24E-02	7.03E-03	1.89E-03	1.07E-03	8.55E-04	4.40E-04
1883	569826.7	4215301	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
1884	569827.1	4215311	1.16E-02	6.55E-03	1.77E-03	9.96E-04	7.97E-04	4.10E-04
1885	569827.4	4215321	1.13E-02	6.40E-03	1.73E-03	9.73E-04	7.78E-04	4.01E-04
1886	569827.7	4215330	1.12E-02	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.96E-04
1887	569828	4215340	1.11E-02	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1888	569828.3	4215350	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
1889	569828.6	4215359	1.10E-02	6.26E-03	1.69E-03	9.51E-04	7.61E-04	3.92E-04
1890	569829	4215369	1.10E-02	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
1891	569814.9	4215244	1.57E-02	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.58E-04
1892	569815.2	4215253	1.46E-02	8.26E-03	2.23E-03	1.26E-03	1.00E-03	5.17E-04
1893	569815.5	4215263	1.37E-02	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.88E-04
1894	569815.8	4215273	1.31E-02	7.40E-03	2.00E-03	1.13E-03	9.01E-04	4.64E-04
1895	569816.1	4215282	1.25E-02	7.07E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1896	569816.4	4215292	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1897	569816.8	4215302	1.15E-02	6.51E-03	1.76E-03	9.91E-04	7.92E-04	4.08E-04
1898	569817.1	4215311	1.11E-02	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1899	569817.4	4215321	1.08E-02	6.11E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
1900	569817.7	4215331	1.06E-02	6.03E-03	1.63E-03	9.17E-04	7.33E-04	3.78E-04
1901	569818	4215340	1.05E-02	5.95E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1902	569818.3	4215350	1.04E-02	5.88E-03	1.59E-03	8.95E-04	7.16E-04	3.68E-04
1903	569818.6	4215360	1.03E-02	5.85E-03	1.58E-03	8.90E-04	7.12E-04	3.67E-04
1904	569819	4215369	1.02E-02	5.80E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
1905	569804.9	4215244	1.48E-02	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1906	569805.2	4215254	1.37E-02	7.78E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
1907	569805.5	4215263	1.30E-02	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
1908	569805.8	4215273	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
1909	569806.1	4215283	1.18E-02	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
1910	569806.4	4215292	1.14E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1911	569806.8	4215302	1.09E-02	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
1912	569807.1	4215312	1.05E-02	5.97E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1913	569807.4	4215321	1.03E-02	5.83E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1914	569807.7	4215331	1.01E-02	5.74E-03	1.55E-03	8.73E-04	6.98E-04	3.59E-04
1915	569808	4215341	9.96E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
1916	569808.3	4215350	9.82E-03	5.56E-03	1.50E-03	8.46E-04	6.77E-04	3.48E-04
1917	569808.6	4215360	9.72E-03	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
1918	569809	4215370	9.59E-03	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
1919	569795.2	4215254	1.29E-02	7.31E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1920	569795.5	4215264	1.22E-02	6.92E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04

1921	569795.8	4215273	1.16E-02	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
1922	569796.1	4215283	1.11E-02	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
1923	569796.4	4215293	1.07E-02	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1924	569796.8	4215302	1.04E-02	5.88E-03	1.59E-03	8.94E-04	7.15E-04	3.68E-04
1925	569797.1	4215312	1.00E-02	5.68E-03	1.53E-03	8.65E-04	6.91E-04	3.56E-04
1926	569797.4	4215322	9.80E-03	5.55E-03	1.50E-03	8.44E-04	6.75E-04	3.48E-04
1927	569797.7	4215331	9.63E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1928	569798	4215341	9.46E-03	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.35E-04
1929	569798.3	4215351	9.31E-03	5.27E-03	1.42E-03	8.02E-04	6.41E-04	3.30E-04
1930	569798.7	4215360	9.20E-03	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1931	569785.2	4215254	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1932	569785.5	4215264	1.15E-02	6.52E-03	1.76E-03	9.92E-04	7.93E-04	4.08E-04
1933	569785.8	4215274	1.10E-02	6.22E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
1934	569786.1	4215283	1.05E-02	5.96E-03	1.61E-03	9.07E-04	7.25E-04	3.73E-04
1935	569786.5	4215293	1.02E-02	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
1936	569786.8	4215303	9.86E-03	5.59E-03	1.51E-03	8.50E-04	6.80E-04	3.50E-04
1937	569787.1	4215312	9.56E-03	5.41E-03	1.46E-03	8.23E-04	6.59E-04	3.39E-04
1938	569787.4	4215322	9.34E-03	5.29E-03	1.43E-03	8.05E-04	6.44E-04	3.31E-04
1939	569787.7	4215332	9.18E-03	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
1940	569788	4215341	8.99E-03	5.09E-03	1.37E-03	7.75E-04	6.19E-04	3.19E-04
1941	569788.3	4215351	8.84E-03	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.13E-04
1942	569788.7	4215361	8.72E-03	4.94E-03	1.33E-03	7.51E-04	6.01E-04	3.09E-04
1943	569775.5	4215264	1.09E-02	6.19E-03	1.67E-03	9.42E-04	7.53E-04	3.88E-04
1944	569775.8	4215274	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
1945	569776.1	4215284	1.00E-02	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.55E-04
1946	569776.5	4215293	9.66E-03	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
1947	569776.8	4215303	9.37E-03	5.31E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
1948	569777.1	4215313	9.07E-03	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1949	569777.4	4215322	8.87E-03	5.03E-03	1.35E-03	7.65E-04	6.11E-04	3.15E-04
1950	569777.7	4215332	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
1951	569778	4215342	8.52E-03	4.83E-03	1.30E-03	7.34E-04	5.87E-04	3.02E-04
1952	569778.3	4215351	8.37E-03	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1953	569778.7	4215361	8.25E-03	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1954	569765.5	4215265	1.04E-02	5.90E-03	1.59E-03	8.97E-04	7.17E-04	3.69E-04
1955	569765.8	4215274	9.93E-03	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
1956	569766.1	4215284	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
1957	569766.5	4215294	9.19E-03	5.21E-03	1.40E-03	7.92E-04	6.34E-04	3.26E-04
1958	569766.8	4215303	8.90E-03	5.04E-03	1.36E-03	7.67E-04	6.13E-04	3.16E-04
1959	569767.1	4215313	8.61E-03	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1960	569767.4	4215323	8.42E-03	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
1961	569767.7	4215332	8.25E-03	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1962	569768	4215342	8.06E-03	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
1963	569768.4	4215352	7.92E-03	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
1964	569768.7	4215361	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
1965	569755.8	4215275	9.46E-03	5.36E-03	1.45E-03	8.15E-04	6.52E-04	3.36E-04
1966	569756.2	4215284	9.07E-03	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1967	569756.5	4215294	8.76E-03	4.96E-03	1.34E-03	7.54E-04	6.03E-04	3.11E-04
1968	569756.8	4215304	8.47E-03	4.80E-03	1.29E-03	7.30E-04	5.83E-04	3.00E-04
1969	569757.1	4215313	8.20E-03	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
1970	569757.4	4215323	8.01E-03	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1971	569757.7	4215333	7.84E-03	4.44E-03	1.20E-03	6.76E-04	5.40E-04	2.78E-04
1972	569758	4215342	7.66E-03	4.34E-03	1.17E-03	6.60E-04	5.28E-04	2.72E-04

1973	569758.4	4215352	7.51E-03	4.26E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04
1974	569758.7	4215362	7.40E-03	4.19E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
1975	569745.8	4215275	9.03E-03	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1976	569746.2	4215285	8.66E-03	4.90E-03	1.32E-03	7.46E-04	5.97E-04	3.07E-04
1977	569746.5	4215294	8.37E-03	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1978	569746.8	4215304	8.10E-03	4.59E-03	1.24E-03	6.98E-04	5.58E-04	2.87E-04
1979	569747.1	4215314	7.85E-03	4.45E-03	1.20E-03	6.76E-04	5.41E-04	2.78E-04
1980	569747.4	4215323	7.67E-03	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
1981	569747.7	4215333	7.50E-03	4.25E-03	1.15E-03	6.46E-04	5.17E-04	2.66E-04
1982	569748	4215343	7.31E-03	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
1983	569748.4	4215352	7.17E-03	4.06E-03	1.09E-03	6.18E-04	4.94E-04	2.54E-04
1984	569735.2	4215256	9.51E-03	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
1985	569735.5	4215266	9.02E-03	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1986	569735.8	4215275	8.62E-03	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1987	569736.2	4215285	8.27E-03	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
1988	569736.5	4215295	8.01E-03	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1989	569736.8	4215304	7.77E-03	4.40E-03	1.19E-03	6.70E-04	5.35E-04	2.76E-04
1990	569737.1	4215314	7.54E-03	4.27E-03	1.15E-03	6.50E-04	5.20E-04	2.67E-04
1991	569737.4	4215324	7.37E-03	4.17E-03	1.13E-03	6.35E-04	5.08E-04	2.61E-04
1992	569737.7	4215333	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1993	569738.1	4215343	7.01E-03	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.49E-04
1994	569738.4	4215353	6.87E-03	3.89E-03	1.05E-03	5.92E-04	4.73E-04	2.44E-04
1995	569724.6	4215237	1.03E-02	5.82E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1996	569724.9	4215247	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1997	569725.2	4215256	9.08E-03	5.15E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
1998	569725.5	4215266	8.62E-03	4.88E-03	1.32E-03	7.43E-04	5.94E-04	3.06E-04
1999	569725.9	4215276	8.23E-03	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
2000	569726.2	4215285	7.90E-03	4.48E-03	1.21E-03	6.81E-04	5.45E-04	2.80E-04
2001	569726.5	4215295	7.68E-03	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
2002	569726.8	4215305	7.46E-03	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
2003	569727.1	4215314	7.25E-03	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2004	569727.4	4215324	7.08E-03	4.01E-03	1.08E-03	6.10E-04	4.88E-04	2.51E-04
2005	569727.7	4215334	6.91E-03	3.91E-03	1.06E-03	5.95E-04	4.76E-04	2.45E-04
2006	569728.1	4215343	6.72E-03	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2007	569728.4	4215353	6.59E-03	3.73E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
2008	569728.7	4215363	6.48E-03	3.67E-03	9.90E-04	5.59E-04	4.47E-04	2.30E-04
2009	569714	4215218	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
2010	569714.3	4215228	1.06E-02	6.02E-03	1.62E-03	9.16E-04	7.32E-04	3.77E-04
2011	569714.6	4215237	9.96E-03	5.64E-03	1.52E-03	8.59E-04	6.87E-04	3.53E-04
2012	569714.9	4215247	9.36E-03	5.30E-03	1.43E-03	8.06E-04	6.45E-04	3.32E-04
2013	569715.2	4215257	8.83E-03	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
2014	569715.5	4215266	8.36E-03	4.74E-03	1.28E-03	7.21E-04	5.76E-04	2.97E-04
2015	569715.9	4215276	7.98E-03	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2016	569716.2	4215286	7.64E-03	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
2017	569716.5	4215295	7.42E-03	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2018	569716.8	4215305	7.20E-03	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
2019	569717.1	4215315	6.99E-03	3.96E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
2020	569717.4	4215324	6.83E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2021	569717.7	4215334	6.65E-03	3.77E-03	1.02E-03	5.73E-04	4.58E-04	2.36E-04
2022	569718.1	4215344	6.46E-03	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
2023	569718.4	4215353	6.33E-03	3.59E-03	9.67E-04	5.45E-04	4.36E-04	2.25E-04
2024	569718.7	4215363	6.23E-03	3.53E-03	9.51E-04	5.36E-04	4.29E-04	2.21E-04

2025	569719	4215373	6.13E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2026	569719.3	4215382	6.09E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2027	569709.1	4215385	5.82E-03	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2028	569699.1	4215385	5.58E-03	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
2029	569702.4	4215377	5.68E-03	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
2030	569705.6	4215368	5.85E-03	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
2031	569708.9	4215360	6.03E-03	3.42E-03	9.21E-04	5.20E-04	4.16E-04	2.14E-04
2032	569689.3	4215385	5.38E-03	3.05E-03	8.21E-04	4.63E-04	3.70E-04	1.91E-04
2033	569692.7	4215376	5.48E-03	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2034	569696.1	4215367	5.66E-03	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2035	569699.6	4215358	5.84E-03	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2036	569703	4215349	6.02E-03	3.41E-03	9.20E-04	5.19E-04	4.15E-04	2.14E-04
2037	569706.5	4215340	6.26E-03	3.55E-03	9.56E-04	5.39E-04	4.31E-04	2.22E-04
2038	569679.2	4215386	5.18E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
2039	569682.6	4215377	5.30E-03	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2040	569686	4215368	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2041	569689.4	4215359	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
2042	569692.8	4215350	5.80E-03	3.29E-03	8.86E-04	5.00E-04	4.00E-04	2.06E-04
2043	569696.2	4215341	6.02E-03	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.13E-04
2044	569699.6	4215332	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
2045	569703	4215324	6.51E-03	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2046	569706.4	4215315	6.75E-03	3.83E-03	1.03E-03	5.82E-04	4.65E-04	2.40E-04
2047	569669.2	4215386	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2048	569672.6	4215377	5.13E-03	2.91E-03	7.84E-04	4.42E-04	3.54E-04	1.82E-04
2049	569675.9	4215368	5.30E-03	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2050	569679.3	4215360	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2051	569682.7	4215351	5.63E-03	3.19E-03	8.60E-04	4.85E-04	3.88E-04	2.00E-04
2052	569686.1	4215342	5.82E-03	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2053	569689.4	4215333	6.05E-03	3.43E-03	9.24E-04	5.21E-04	4.17E-04	2.15E-04
2054	569692.8	4215325	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2055	569696.2	4215316	6.51E-03	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
2056	569699.5	4215307	6.78E-03	3.84E-03	1.04E-03	5.84E-04	4.67E-04	2.40E-04
2057	569702.9	4215298	7.06E-03	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2058	569706.3	4215290	7.34E-03	4.16E-03	1.12E-03	6.32E-04	5.06E-04	2.60E-04
2059	569659.2	4215386	4.82E-03	2.73E-03	7.36E-04	4.15E-04	3.32E-04	1.71E-04
2060	569662.5	4215378	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2061	569665.9	4215369	5.14E-03	2.91E-03	7.85E-04	4.43E-04	3.54E-04	1.82E-04
2062	569669.2	4215360	5.31E-03	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2063	569672.5	4215352	5.48E-03	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2064	569675.9	4215343	5.66E-03	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2065	569679.2	4215334	5.87E-03	3.32E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
2066	569682.6	4215326	6.08E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2067	569685.9	4215317	6.29E-03	3.57E-03	9.61E-04	5.42E-04	4.34E-04	2.23E-04
2068	569689.2	4215308	6.56E-03	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
2069	569692.6	4215299	6.82E-03	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2070	569695.9	4215291	7.10E-03	4.02E-03	1.08E-03	6.12E-04	4.89E-04	2.52E-04
2071	569699.2	4215282	7.42E-03	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2072	569702.6	4215273	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2073	569705.9	4215265	8.24E-03	4.67E-03	1.26E-03	7.10E-04	5.68E-04	2.92E-04
2074	569649.2	4215387	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2075	569652.5	4215378	4.79E-03	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
2076	569655.8	4215369	4.97E-03	2.81E-03	7.58E-04	4.28E-04	3.42E-04	1.76E-04

2077	569659.1	4215361	5.15E-03	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2078	569662.4	4215352	5.32E-03	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
2079	569665.7	4215344	5.50E-03	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
2080	569669	4215335	5.70E-03	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
2081	569672.3	4215326	5.90E-03	3.34E-03	9.01E-04	5.08E-04	4.07E-04	2.09E-04
2082	569675.7	4215318	6.10E-03	3.46E-03	9.31E-04	5.26E-04	4.20E-04	2.16E-04
2083	569679	4215309	6.36E-03	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.26E-04
2084	569682.3	4215301	6.63E-03	3.76E-03	1.01E-03	5.72E-04	4.57E-04	2.35E-04
2085	569685.6	4215292	6.92E-03	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
2086	569688.9	4215283	7.21E-03	4.09E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
2087	569692.2	4215275	7.56E-03	4.29E-03	1.16E-03	6.52E-04	5.21E-04	2.68E-04
2088	569695.5	4215266	7.98E-03	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2089	569698.8	4215257	8.45E-03	4.79E-03	1.29E-03	7.28E-04	5.83E-04	3.00E-04
2090	569702.2	4215249	8.96E-03	5.08E-03	1.37E-03	7.72E-04	6.18E-04	3.18E-04
2091	569705.5	4215240	9.54E-03	5.40E-03	1.46E-03	8.22E-04	6.57E-04	3.38E-04
2092	569639.3	4215387	4.46E-03	2.53E-03	6.81E-04	3.85E-04	3.08E-04	1.58E-04
2093	569642.7	4215378	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2094	569646.2	4215369	4.82E-03	2.73E-03	7.36E-04	4.16E-04	3.32E-04	1.71E-04
2095	569649.6	4215360	5.02E-03	2.84E-03	7.67E-04	4.33E-04	3.46E-04	1.78E-04
2096	569653.1	4215351	5.21E-03	2.95E-03	7.95E-04	4.49E-04	3.59E-04	1.85E-04
2097	569656.5	4215342	5.40E-03	3.06E-03	8.25E-04	4.65E-04	3.72E-04	1.92E-04
2098	569660	4215333	5.61E-03	3.18E-03	8.57E-04	4.83E-04	3.87E-04	1.99E-04
2099	569663.4	4215324	5.81E-03	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
2100	569666.9	4215315	6.01E-03	3.41E-03	9.18E-04	5.18E-04	4.14E-04	2.13E-04
2101	569670.3	4215306	6.30E-03	3.57E-03	9.63E-04	5.43E-04	4.34E-04	2.24E-04
2102	569673.7	4215297	6.61E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2103	569677.2	4215288	6.92E-03	3.92E-03	1.06E-03	5.97E-04	4.77E-04	2.46E-04
2104	569680.6	4215279	7.25E-03	4.11E-03	1.11E-03	6.25E-04	5.00E-04	2.57E-04
2105	569684.1	4215270	7.63E-03	4.32E-03	1.17E-03	6.57E-04	5.26E-04	2.71E-04
2106	569687.5	4215261	8.07E-03	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
2107	569691	4215252	8.55E-03	4.85E-03	1.31E-03	7.37E-04	5.89E-04	3.03E-04
2108	569694.4	4215243	9.09E-03	5.15E-03	1.39E-03	7.83E-04	6.27E-04	3.23E-04
2109	569697.9	4215234	9.70E-03	5.49E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
2110	569701.3	4215225	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.65E-04
2111	569704.7	4215216	1.04E-02	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
2112	569629.3	4215387	4.31E-03	2.44E-03	6.57E-04	3.71E-04	2.97E-04	1.53E-04
2113	569632.7	4215378	4.47E-03	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2114	569636.1	4215369	4.66E-03	2.64E-03	7.12E-04	4.01E-04	3.21E-04	1.65E-04
2115	569639.5	4215360	4.86E-03	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
2116	569642.9	4215352	5.05E-03	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
2117	569646.3	4215343	5.25E-03	2.97E-03	8.02E-04	4.52E-04	3.62E-04	1.86E-04
2118	569649.8	4215334	5.46E-03	3.10E-03	8.34E-04	4.71E-04	3.77E-04	1.94E-04
2119	569653.2	4215325	5.67E-03	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
2120	569656.6	4215316	5.86E-03	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2121	569660	4215307	6.14E-03	3.48E-03	9.37E-04	5.29E-04	4.23E-04	2.18E-04
2122	569663.4	4215298	6.44E-03	3.65E-03	9.83E-04	5.55E-04	4.44E-04	2.28E-04
2123	569666.8	4215289	6.77E-03	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
2124	569670.2	4215280	7.09E-03	4.02E-03	1.08E-03	6.11E-04	4.89E-04	2.52E-04
2125	569673.7	4215272	7.44E-03	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2126	569677.1	4215263	7.83E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2127	569680.5	4215254	8.27E-03	4.69E-03	1.26E-03	7.13E-04	5.70E-04	2.93E-04
2128	569683.9	4215245	8.73E-03	4.94E-03	1.33E-03	7.52E-04	6.01E-04	3.10E-04

2129	569687.3	4215236	9.26E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
2130	569690.7	4215227	9.88E-03	5.60E-03	1.51E-03	8.51E-04	6.81E-04	3.50E-04
2131	569694.1	4215218	1.00E-02	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
2132	569697.6	4215209	1.01E-02	5.70E-03	1.54E-03	8.67E-04	6.94E-04	3.57E-04
2133	569625.9	4215396	4.14E-03	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
2134	569619.3	4215387	4.16E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
2135	569622.6	4215379	4.32E-03	2.45E-03	6.60E-04	3.73E-04	2.98E-04	1.53E-04
2136	569626	4215370	4.51E-03	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
2137	569629.4	4215361	4.71E-03	2.67E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2138	569632.8	4215352	4.90E-03	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
2139	569636.2	4215343	5.10E-03	2.89E-03	7.79E-04	4.40E-04	3.52E-04	1.81E-04
2140	569639.6	4215335	5.33E-03	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2141	569643	4215326	5.54E-03	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2142	569646.3	4215317	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
2143	569649.7	4215308	6.02E-03	3.41E-03	9.19E-04	5.18E-04	4.15E-04	2.13E-04
2144	569653.1	4215299	6.31E-03	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
2145	569656.5	4215291	6.63E-03	3.76E-03	1.01E-03	5.71E-04	4.57E-04	2.35E-04
2146	569659.9	4215282	6.95E-03	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
2147	569663.3	4215273	7.27E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2148	569666.7	4215264	7.63E-03	4.32E-03	1.16E-03	6.57E-04	5.26E-04	2.71E-04
2149	569670.1	4215255	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
2150	569673.4	4215246	8.41E-03	4.76E-03	1.28E-03	7.24E-04	5.79E-04	2.98E-04
2151	569676.8	4215238	8.84E-03	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.14E-04
2152	569680.2	4215229	9.35E-03	5.30E-03	1.43E-03	8.06E-04	6.44E-04	3.32E-04
2153	569683.6	4215220	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
2154	569687	4215211	9.55E-03	5.41E-03	1.46E-03	8.23E-04	6.58E-04	3.39E-04
2155	569690.4	4215202	9.62E-03	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
2156	569615.9	4215396	4.00E-03	2.27E-03	6.11E-04	3.45E-04	2.76E-04	1.42E-04
2157	569616.2	4215406	3.88E-03	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2158	569616.5	4215416	3.77E-03	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
2159	569609.2	4215388	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
2160	569612.6	4215379	4.19E-03	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
2161	569616	4215370	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2162	569619.3	4215362	4.56E-03	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
2163	569622.7	4215353	4.75E-03	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
2164	569626	4215344	4.95E-03	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2165	569629.4	4215335	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.58E-04	1.84E-04
2166	569632.8	4215327	5.43E-03	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
2167	569636.1	4215318	5.65E-03	3.20E-03	8.63E-04	4.87E-04	3.89E-04	2.00E-04
2168	569639.5	4215309	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
2169	569642.8	4215300	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
2170	569646.2	4215292	6.51E-03	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2171	569649.6	4215283	6.83E-03	3.87E-03	1.04E-03	5.88E-04	4.71E-04	2.42E-04
2172	569652.9	4215274	7.12E-03	4.03E-03	1.09E-03	6.13E-04	4.91E-04	2.53E-04
2173	569656.3	4215265	7.44E-03	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2174	569659.7	4215257	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2175	569663	4215248	8.12E-03	4.60E-03	1.24E-03	6.99E-04	5.59E-04	2.88E-04
2176	569666.4	4215239	8.48E-03	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
2177	569669.7	4215230	8.89E-03	5.04E-03	1.36E-03	7.66E-04	6.13E-04	3.15E-04
2178	569673.1	4215222	9.08E-03	5.14E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
2179	569676.5	4215213	9.04E-03	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2180	569679.8	4215204	9.03E-03	5.12E-03	1.38E-03	7.78E-04	6.23E-04	3.20E-04

2181	569683.2	4215195	9.04E-03	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2182	569695.1	4215183	9.06E-03	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04
2183	569605.9	4215397	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2184	569606.2	4215406	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2185	569606.5	4215416	3.65E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2186	569606.8	4215426	3.56E-03	2.02E-03	5.43E-04	3.07E-04	2.45E-04	1.26E-04
2187	569599.2	4215388	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2188	569602.6	4215379	4.06E-03	2.30E-03	6.19E-04	3.50E-04	2.80E-04	1.44E-04
2189	569605.9	4215371	4.23E-03	2.40E-03	6.46E-04	3.64E-04	2.92E-04	1.50E-04
2190	569609.2	4215362	4.42E-03	2.50E-03	6.75E-04	3.81E-04	3.04E-04	1.57E-04
2191	569612.6	4215353	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2192	569615.9	4215345	4.81E-03	2.72E-03	7.34E-04	4.14E-04	3.31E-04	1.70E-04
2193	569619.2	4215336	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
2194	569622.6	4215327	5.28E-03	2.99E-03	8.07E-04	4.55E-04	3.64E-04	1.87E-04
2195	569625.9	4215319	5.53E-03	3.13E-03	8.44E-04	4.76E-04	3.81E-04	1.96E-04
2196	569629.3	4215310	5.80E-03	3.28E-03	8.85E-04	4.99E-04	3.99E-04	2.06E-04
2197	569632.6	4215301	6.10E-03	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
2198	569635.9	4215293	6.41E-03	3.63E-03	9.79E-04	5.52E-04	4.42E-04	2.27E-04
2199	569639.3	4215284	6.72E-03	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2200	569642.6	4215275	6.98E-03	3.96E-03	1.07E-03	6.02E-04	4.81E-04	2.48E-04
2201	569646	4215267	7.27E-03	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
2202	569649.3	4215258	7.60E-03	4.30E-03	1.16E-03	6.55E-04	5.24E-04	2.69E-04
2203	569652.6	4215249	7.84E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2204	569656	4215241	8.11E-03	4.59E-03	1.24E-03	6.98E-04	5.59E-04	2.88E-04
2205	569659.3	4215232	8.44E-03	4.78E-03	1.29E-03	7.27E-04	5.82E-04	2.99E-04
2206	569662.6	4215223	8.68E-03	4.92E-03	1.33E-03	7.48E-04	5.98E-04	3.08E-04
2207	569666	4215214	8.59E-03	4.87E-03	1.31E-03	7.40E-04	5.92E-04	3.05E-04
2208	569669.3	4215206	8.53E-03	4.83E-03	1.30E-03	7.35E-04	5.88E-04	3.02E-04
2209	569672.7	4215197	8.49E-03	4.81E-03	1.30E-03	7.31E-04	5.85E-04	3.01E-04
2210	569676	4215188	8.36E-03	4.73E-03	1.28E-03	7.20E-04	5.76E-04	2.96E-04
2211	569687.9	4215176	8.38E-03	4.74E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
2212	569595.9	4215397	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2213	569596.2	4215407	3.63E-03	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
2214	569596.5	4215416	3.54E-03	2.01E-03	5.40E-04	3.05E-04	2.44E-04	1.26E-04
2215	569596.8	4215426	3.45E-03	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
2216	569597.1	4215435	3.37E-03	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
2217	569589.3	4215388	3.79E-03	2.15E-03	5.79E-04	3.26E-04	2.61E-04	1.34E-04
2218	569592.8	4215379	3.95E-03	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
2219	569596.2	4215370	4.12E-03	2.34E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2220	569599.7	4215361	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2221	569603.1	4215352	4.51E-03	2.55E-03	6.89E-04	3.89E-04	3.11E-04	1.60E-04
2222	569606.6	4215343	4.72E-03	2.67E-03	7.21E-04	4.07E-04	3.25E-04	1.67E-04
2223	569610	4215334	4.97E-03	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2224	569613.5	4215325	5.22E-03	2.96E-03	7.98E-04	4.50E-04	3.60E-04	1.85E-04
2225	569616.9	4215316	5.49E-03	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2226	569620.4	4215307	5.77E-03	3.27E-03	8.81E-04	4.97E-04	3.98E-04	2.05E-04
2227	569623.8	4215298	6.08E-03	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2228	569627.3	4215289	6.42E-03	3.64E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
2229	569630.7	4215281	6.71E-03	3.80E-03	1.02E-03	5.78E-04	4.62E-04	2.38E-04
2230	569634.2	4215272	7.00E-03	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.48E-04
2231	569637.6	4215263	7.29E-03	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.59E-04
2232	569641.1	4215254	7.55E-03	4.28E-03	1.15E-03	6.50E-04	5.20E-04	2.68E-04

2233	569644.5	4215245	7.71E-03	4.37E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
2234	569648	4215236	7.92E-03	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
2235	569651.4	4215227	8.20E-03	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2236	569654.9	4215218	8.20E-03	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2237	569658.3	4215209	8.14E-03	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
2238	569661.8	4215200	8.03E-03	4.55E-03	1.23E-03	6.92E-04	5.54E-04	2.85E-04
2239	569665.2	4215191	7.92E-03	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
2240	569668.7	4215182	7.81E-03	4.43E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2241	569680.9	4215169	7.83E-03	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2242	569585.9	4215397	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2243	569586.2	4215407	3.52E-03	1.99E-03	5.38E-04	3.03E-04	2.43E-04	1.25E-04
2244	569586.5	4215416	3.43E-03	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2245	569586.8	4215426	3.35E-03	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
2246	569587.1	4215436	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2247	569918.2	4215544	5.54E-03	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2248	569927.5	4215543	5.64E-03	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
2249	569936.8	4215541	5.75E-03	3.26E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
2250	569946.1	4215539	5.86E-03	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2251	569955.4	4215538	5.98E-03	3.39E-03	9.14E-04	5.16E-04	4.12E-04	2.12E-04
2252	569964.8	4215536	6.12E-03	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2253	569974.1	4215534	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2254	569983.4	4215533	6.45E-03	3.66E-03	9.86E-04	5.56E-04	4.45E-04	2.29E-04
2255	569992.7	4215531	6.65E-03	3.77E-03	1.01E-03	5.73E-04	4.58E-04	2.36E-04
2256	570002	4215529	6.85E-03	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
2257	570011.3	4215527	7.06E-03	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2258	570020.6	4215526	7.26E-03	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2259	569911.2	4215552	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2260	569902.5	4215550	5.28E-03	2.99E-03	8.06E-04	4.55E-04	3.64E-04	1.87E-04
2261	569929.3	4215552	5.18E-03	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
2262	569938.6	4215551	5.27E-03	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2263	569947.9	4215549	5.36E-03	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
2264	569957.2	4215547	5.46E-03	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
2265	569966.5	4215546	5.57E-03	3.16E-03	8.51E-04	4.80E-04	3.84E-04	1.98E-04
2266	569975.8	4215544	5.70E-03	3.23E-03	8.70E-04	4.91E-04	3.93E-04	2.02E-04
2267	569985.2	4215542	5.84E-03	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2268	569994.5	4215541	5.99E-03	3.40E-03	9.15E-04	5.17E-04	4.13E-04	2.13E-04
2269	570003.8	4215539	6.16E-03	3.49E-03	9.41E-04	5.31E-04	4.24E-04	2.18E-04
2270	570013.1	4215537	6.33E-03	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
2271	570022.4	4215536	6.49E-03	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
2272	569913	4215562	4.79E-03	2.71E-03	7.31E-04	4.13E-04	3.30E-04	1.70E-04
2273	569895.7	4215557	4.95E-03	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2274	569878.3	4215553	5.12E-03	2.90E-03	7.81E-04	4.41E-04	3.53E-04	1.81E-04
2275	569921.7	4215564	4.70E-03	2.66E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2276	569931	4215562	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2277	569940.3	4215561	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
2278	569949.7	4215559	4.92E-03	2.79E-03	7.51E-04	4.24E-04	3.39E-04	1.74E-04
2279	569959	4215557	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2280	569968.3	4215556	5.09E-03	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
2281	569977.6	4215554	5.20E-03	2.94E-03	7.94E-04	4.48E-04	3.58E-04	1.84E-04
2282	569986.9	4215552	5.31E-03	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2283	569996.2	4215551	5.43E-03	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
2284	570005.6	4215549	5.56E-03	3.15E-03	8.49E-04	4.79E-04	3.83E-04	1.97E-04

2285	570014.9	4215547	5.69E-03	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
2286	570024.2	4215546	5.83E-03	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
2287	570033.5	4215544	5.95E-03	3.37E-03	9.08E-04	5.12E-04	4.10E-04	2.11E-04
2288	569914.8	4215572	4.43E-03	2.51E-03	6.76E-04	3.81E-04	3.05E-04	1.57E-04
2289	569897.6	4215567	4.58E-03	2.60E-03	7.00E-04	3.95E-04	3.16E-04	1.63E-04
2290	569880.3	4215563	4.74E-03	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
2291	569863	4215558	4.88E-03	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
2292	569923.5	4215574	4.35E-03	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
2293	569932.8	4215572	4.40E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2294	569942.1	4215570	4.46E-03	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2295	569951.4	4215569	4.53E-03	2.57E-03	6.92E-04	3.90E-04	3.12E-04	1.61E-04
2296	569960.7	4215567	4.60E-03	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2297	569970.1	4215565	4.68E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2298	569979.4	4215564	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
2299	569988.7	4215562	4.85E-03	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
2300	569998	4215560	4.94E-03	2.80E-03	7.54E-04	4.26E-04	3.40E-04	1.75E-04
2301	570007.3	4215559	5.04E-03	2.86E-03	7.70E-04	4.35E-04	3.48E-04	1.79E-04
2302	570016.6	4215557	5.15E-03	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2303	570026	4215555	5.26E-03	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2304	569916.7	4215581	4.10E-03	2.32E-03	6.26E-04	3.53E-04	2.83E-04	1.45E-04
2305	569899.4	4215577	4.25E-03	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
2306	569882.2	4215573	4.39E-03	2.49E-03	6.71E-04	3.79E-04	3.03E-04	1.56E-04
2307	569865	4215568	4.53E-03	2.57E-03	6.92E-04	3.91E-04	3.12E-04	1.61E-04
2308	569847.8	4215564	4.67E-03	2.64E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
2309	569830.6	4215559	4.60E-03	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2310	569934.6	4215582	4.08E-03	2.31E-03	6.22E-04	3.51E-04	2.81E-04	1.45E-04
2311	569943.9	4215580	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.84E-04	1.46E-04
2312	569953.2	4215579	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2313	569962.5	4215577	4.24E-03	2.40E-03	6.48E-04	3.66E-04	2.92E-04	1.50E-04
2314	569971.8	4215575	4.30E-03	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
2315	569981.1	4215574	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2316	569990.5	4215572	4.44E-03	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
2317	569999.8	4215570	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2318	570009.1	4215569	4.60E-03	2.61E-03	7.03E-04	3.97E-04	3.17E-04	1.63E-04
2319	570065	4215558	5.19E-03	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2320	570074.3	4215557	5.33E-03	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2321	570083.6	4215555	5.49E-03	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2322	569917.9	4215591	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2323	569908.7	4215589	3.88E-03	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2324	569899.6	4215586	3.95E-03	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2325	569890.5	4215584	4.03E-03	2.28E-03	6.16E-04	3.47E-04	2.78E-04	1.43E-04
2326	569881.3	4215582	4.10E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
2327	569872.2	4215579	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
2328	569863	4215577	4.25E-03	2.41E-03	6.48E-04	3.66E-04	2.93E-04	1.51E-04
2329	569853.9	4215575	4.32E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2330	569844.8	4215572	4.38E-03	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
2331	569835.6	4215570	4.29E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2332	569826.5	4215568	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
2333	569817.3	4215565	4.37E-03	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2334	569808.2	4215563	4.41E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2335	569927	4215593	3.74E-03	2.12E-03	5.71E-04	3.22E-04	2.57E-04	1.33E-04
2336	569936.3	4215592	3.78E-03	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04

2337	569945.7	4215590	3.82E-03	2.17E-03	5.84E-04	3.29E-04	2.63E-04	1.36E-04
2338	569955	4215588	3.87E-03	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2339	569964.3	4215587	3.92E-03	2.22E-03	5.99E-04	3.38E-04	2.70E-04	1.39E-04
2340	569973.6	4215585	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
2341	569982.9	4215583	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2342	569992.2	4215582	4.09E-03	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
2343	570048.1	4215572	4.55E-03	2.58E-03	6.95E-04	3.92E-04	3.14E-04	1.62E-04
2344	570057.4	4215570	4.65E-03	2.63E-03	7.10E-04	4.01E-04	3.20E-04	1.65E-04
2345	570066.8	4215568	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2346	570076.1	4215567	4.90E-03	2.77E-03	7.48E-04	4.22E-04	3.37E-04	1.74E-04
2347	570085.4	4215565	5.03E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
2348	569919.7	4215601	3.55E-03	2.01E-03	5.41E-04	3.06E-04	2.44E-04	1.26E-04
2349	569910.6	4215599	3.61E-03	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
2350	569901.6	4215596	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2351	569892.5	4215594	3.75E-03	2.12E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2352	569883.4	4215592	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.36E-04
2353	569874.4	4215589	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
2354	569865.3	4215587	3.95E-03	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2355	569856.2	4215585	4.02E-03	2.28E-03	6.14E-04	3.46E-04	2.77E-04	1.43E-04
2356	569847.1	4215582	4.08E-03	2.31E-03	6.24E-04	3.52E-04	2.81E-04	1.45E-04
2357	569838.1	4215580	4.15E-03	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
2358	569829	4215578	4.05E-03	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
2359	569819.9	4215575	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2360	569810.8	4215573	4.12E-03	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2361	569801.8	4215571	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
2362	569792.7	4215568	4.19E-03	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
2363	569928.8	4215603	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2364	569938.1	4215602	3.52E-03	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
2365	569947.4	4215600	3.55E-03	2.01E-03	5.43E-04	3.06E-04	2.45E-04	1.26E-04
2366	569956.7	4215598	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
2367	569966.1	4215597	3.64E-03	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
2368	569975.4	4215595	3.68E-03	2.09E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2369	570031.3	4215585	4.04E-03	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
2370	570040.6	4215583	4.12E-03	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2371	570049.9	4215582	4.20E-03	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
2372	570059.2	4215580	4.29E-03	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2373	570068.5	4215578	4.40E-03	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
2374	570077.8	4215576	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2375	570087.2	4215575	4.64E-03	2.63E-03	7.09E-04	4.00E-04	3.20E-04	1.65E-04
2376	569921.6	4215611	3.31E-03	1.88E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
2377	569912.5	4215609	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2378	569903.5	4215606	3.43E-03	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2379	569894.5	4215604	3.50E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2380	569885.5	4215602	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2381	569876.5	4215599	3.63E-03	2.05E-03	5.54E-04	3.12E-04	2.50E-04	1.29E-04
2382	569867.5	4215597	3.69E-03	2.09E-03	5.63E-04	3.18E-04	2.54E-04	1.31E-04
2383	569858.5	4215595	3.75E-03	2.13E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2384	569849.4	4215592	3.81E-03	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
2385	569840.4	4215590	3.87E-03	2.19E-03	5.91E-04	3.34E-04	2.67E-04	1.37E-04
2386	569831.4	4215588	3.93E-03	2.23E-03	6.00E-04	3.39E-04	2.71E-04	1.39E-04
2387	569822.4	4215585	3.82E-03	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
2388	569813.4	4215583	3.86E-03	2.18E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04

2389	569804.4	4215581	3.89E-03	2.21E-03	5.95E-04	3.36E-04	2.68E-04	1.38E-04
2390	569795.4	4215578	3.93E-03	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.39E-04
2391	569786.3	4215576	3.97E-03	2.25E-03	6.06E-04	3.42E-04	2.73E-04	1.41E-04
2392	569930.6	4215613	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2393	569939.9	4215611	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2394	569949.2	4215610	3.32E-03	1.88E-03	5.06E-04	2.86E-04	2.29E-04	1.18E-04
2395	570005.1	4215600	3.57E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2396	570014.4	4215598	3.62E-03	2.05E-03	5.52E-04	3.12E-04	2.49E-04	1.28E-04
2397	570023.7	4215596	3.68E-03	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
2398	570033	4215595	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2399	570042.3	4215593	3.82E-03	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
2400	570051.7	4215591	3.90E-03	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
2401	570061	4215590	3.98E-03	2.26E-03	6.08E-04	3.43E-04	2.75E-04	1.41E-04
2402	570070.3	4215588	4.08E-03	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2403	570079.6	4215586	4.18E-03	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2404	570088.9	4215585	4.30E-03	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2405	569923.4	4215621	3.10E-03	1.76E-03	4.73E-04	2.67E-04	2.14E-04	1.10E-04
2406	569914.4	4215618	3.16E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2407	569905.5	4215616	3.21E-03	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
2408	569896.5	4215614	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2409	569887.5	4215611	3.33E-03	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2410	569878.6	4215609	3.39E-03	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
2411	569869.6	4215607	3.45E-03	1.95E-03	5.26E-04	2.97E-04	2.38E-04	1.22E-04
2412	569860.6	4215605	3.51E-03	1.99E-03	5.35E-04	3.02E-04	2.42E-04	1.24E-04
2413	569851.7	4215602	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2414	569842.7	4215600	3.62E-03	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2415	569833.8	4215598	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.53E-04	1.30E-04
2416	569824.8	4215595	3.73E-03	2.11E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
2417	569815.8	4215593	3.62E-03	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2418	569806.9	4215591	3.66E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2419	569797.9	4215588	3.69E-03	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
2420	569789	4215586	3.73E-03	2.11E-03	5.69E-04	3.21E-04	2.57E-04	1.32E-04
2421	569932.3	4215623	3.05E-03	1.73E-03	4.65E-04	2.63E-04	2.10E-04	1.08E-04
2422	569988.2	4215613	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2423	569997.5	4215611	3.29E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
2424	570006.9	4215610	3.33E-03	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2425	570016.2	4215608	3.37E-03	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2426	570025.5	4215606	3.42E-03	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.21E-04
2427	570034.8	4215605	3.49E-03	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
2428	570044.1	4215603	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2429	570053.4	4215601	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2430	570062.7	4215600	3.72E-03	2.11E-03	5.68E-04	3.20E-04	2.56E-04	1.32E-04
2431	570072.1	4215598	3.81E-03	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2432	570081.4	4215596	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2433	570090.7	4215595	4.01E-03	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
2434	569925.2	4215631	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2435	569916.3	4215628	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2436	569907.4	4215626	3.01E-03	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
2437	569898.5	4215624	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
2438	569889.5	4215621	3.12E-03	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
2439	569880.6	4215619	3.17E-03	1.80E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
2440	569871.7	4215617	3.22E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04

2441	569862.8	4215615	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2442	569853.9	4215612	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
2443	569845	4215610	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
2444	569836.1	4215608	3.44E-03	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2445	569827.1	4215605	3.50E-03	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2446	569818.2	4215603	3.41E-03	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
2447	569809.3	4215601	3.44E-03	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2448	569800.4	4215598	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2449	569791.5	4215596	3.51E-03	1.99E-03	5.36E-04	3.02E-04	2.42E-04	1.24E-04
2450	569971.4	4215626	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
2451	569980.7	4215624	3.00E-03	1.70E-03	4.59E-04	2.59E-04	2.07E-04	1.07E-04
2452	569990	4215623	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
2453	569999.3	4215621	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2454	570008.6	4215619	3.11E-03	1.76E-03	4.76E-04	2.68E-04	2.15E-04	1.10E-04
2455	570017.9	4215618	3.15E-03	1.79E-03	4.81E-04	2.72E-04	2.17E-04	1.12E-04
2456	570027.3	4215616	3.20E-03	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2457	570036.6	4215614	3.26E-03	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
2458	570045.9	4215613	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2459	570055.2	4215611	3.41E-03	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
2460	570064.5	4215609	3.48E-03	1.97E-03	5.32E-04	3.00E-04	2.40E-04	1.24E-04
2461	570073.8	4215608	3.57E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2462	570083.2	4215606	3.65E-03	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2463	570092.5	4215604	3.75E-03	2.13E-03	5.73E-04	3.24E-04	2.59E-04	1.33E-04
2464	569909.3	4215636	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
2465	569900.4	4215634	2.88E-03	1.63E-03	4.40E-04	2.48E-04	1.99E-04	1.02E-04
2466	569891.5	4215631	2.93E-03	1.66E-03	4.47E-04	2.53E-04	2.02E-04	1.04E-04
2467	569882.6	4215629	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2468	569873.8	4215627	3.03E-03	1.72E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
2469	569864.9	4215624	3.08E-03	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2470	569856	4215622	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2471	569847.2	4215620	3.18E-03	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
2472	569838.3	4215618	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
2473	569829.4	4215615	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2474	569820.5	4215613	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2475	569811.7	4215611	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2476	569802.8	4215608	3.28E-03	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2477	569945.2	4215641	2.72E-03	1.54E-03	4.16E-04	2.34E-04	1.88E-04	9.65E-05
2478	569954.5	4215639	2.74E-03	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.73E-05
2479	569963.8	4215638	2.77E-03	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
2480	569973.1	4215636	2.79E-03	1.58E-03	4.26E-04	2.41E-04	1.92E-04	9.91E-05
2481	569982.5	4215634	2.82E-03	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
2482	569991.8	4215633	2.86E-03	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04
2483	570001.1	4215631	2.89E-03	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.03E-04
2484	570010.4	4215629	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
2485	570019.7	4215628	2.97E-03	1.68E-03	4.53E-04	2.56E-04	2.05E-04	1.05E-04
2486	570029	4215626	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2487	570038.3	4215624	3.07E-03	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2488	570047.7	4215623	3.13E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
2489	570057	4215621	3.20E-03	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2490	570066.3	4215619	3.27E-03	1.85E-03	5.00E-04	2.82E-04	2.25E-04	1.16E-04
2491	570075.6	4215618	3.35E-03	1.90E-03	5.11E-04	2.89E-04	2.31E-04	1.19E-04
2492	570084.9	4215616	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04

2493	570094.2	4215614	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
2494	569902.3	4215643	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2495	569893.5	4215641	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2496	569884.6	4215639	2.80E-03	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.94E-05
2497	569875.8	4215637	2.85E-03	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
2498	569867	4215634	2.90E-03	1.64E-03	4.42E-04	2.49E-04	2.00E-04	1.03E-04
2499	569858.1	4215632	2.94E-03	1.67E-03	4.49E-04	2.54E-04	2.03E-04	1.04E-04
2500	569849.3	4215630	2.99E-03	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2501	569840.5	4215628	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
2502	569831.6	4215625	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
2503	569822.8	4215623	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2504	569814	4215621	3.18E-03	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
2505	569937.6	4215653	2.55E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.05E-05
2506	569947	4215651	2.57E-03	1.46E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
2507	569956.3	4215649	2.59E-03	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.18E-05
2508	569965.6	4215647	2.61E-03	1.48E-03	3.98E-04	2.25E-04	1.80E-04	9.25E-05
2509	569974.9	4215646	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
2510	569984.2	4215644	2.66E-03	1.51E-03	4.06E-04	2.29E-04	1.83E-04	9.43E-05
2511	569993.5	4215642	2.69E-03	1.52E-03	4.11E-04	2.32E-04	1.85E-04	9.54E-05
2512	570002.9	4215641	2.73E-03	1.54E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2513	570012.2	4215639	2.76E-03	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.80E-05
2514	570021.5	4215637	2.80E-03	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.95E-05
2515	570030.8	4215636	2.85E-03	1.61E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
2516	570040.1	4215634	2.90E-03	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2517	570049.4	4215632	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2518	570058.7	4215631	3.02E-03	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2519	570068.1	4215629	3.08E-03	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
2520	570077.4	4215627	3.15E-03	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2521	570086.7	4215626	3.23E-03	1.83E-03	4.94E-04	2.79E-04	2.23E-04	1.15E-04
2522	570096	4215624	3.32E-03	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
2523	569930.6	4215660	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2524	569921.8	4215658	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2525	569895.4	4215651	2.60E-03	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.23E-05
2526	569886.6	4215649	2.64E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
2527	569877.8	4215647	2.68E-03	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
2528	569869	4215644	2.73E-03	1.55E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2529	569860.2	4215642	2.77E-03	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.83E-05
2530	569851.4	4215640	2.81E-03	1.59E-03	4.30E-04	2.43E-04	1.94E-04	9.98E-05
2531	569842.6	4215637	2.86E-03	1.62E-03	4.37E-04	2.46E-04	1.97E-04	1.01E-04
2532	569833.8	4215635	2.90E-03	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2533	569816.2	4215631	2.99E-03	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2534	569939.4	4215662	2.41E-03	1.37E-03	3.69E-04	2.08E-04	1.66E-04	8.56E-05
2535	569948.7	4215661	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2536	569958	4215659	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.68E-05
2537	569967.4	4215657	2.47E-03	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
2538	569976.7	4215656	2.49E-03	1.41E-03	3.80E-04	2.15E-04	1.72E-04	8.83E-05
2539	569986	4215654	2.51E-03	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
2540	569995.3	4215652	2.54E-03	1.44E-03	3.88E-04	2.19E-04	1.75E-04	9.02E-05
2541	570004.6	4215651	2.58E-03	1.46E-03	3.93E-04	2.22E-04	1.78E-04	9.14E-05
2542	570013.9	4215649	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
2543	570023.3	4215647	2.66E-03	1.50E-03	4.06E-04	2.29E-04	1.83E-04	9.42E-05
2544	570032.6	4215646	2.70E-03	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05

2545	570041.9	4215644	2.74E-03	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.74E-05
2546	570051.2	4215642	2.80E-03	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
2547	570060.5	4215641	2.85E-03	1.62E-03	4.35E-04	2.46E-04	1.97E-04	1.01E-04
2548	570069.8	4215639	2.91E-03	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2549	570079.1	4215637	2.98E-03	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2550	570088.5	4215636	3.05E-03	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
2551	570097.8	4215634	3.13E-03	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2552	569932	4215670	2.32E-03	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
2553	569922.9	4215667	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2554	569913.7	4215665	2.39E-03	1.36E-03	3.65E-04	2.06E-04	1.65E-04	8.49E-05
2555	569877	4215656	2.55E-03	1.44E-03	3.89E-04	2.20E-04	1.76E-04	9.04E-05
2556	569867.9	4215653	2.59E-03	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.19E-05
2557	569858.7	4215651	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05
2558	569849.5	4215649	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
2559	569840.4	4215646	2.72E-03	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2560	569831.2	4215644	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2561	569941.2	4215672	2.29E-03	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.12E-05
2562	569950.5	4215671	2.30E-03	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.17E-05
2563	569959.8	4215669	2.32E-03	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.23E-05
2564	569969.1	4215667	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2565	569978.4	4215665	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
2566	569987.8	4215664	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2567	569997.1	4215662	2.41E-03	1.37E-03	3.68E-04	2.08E-04	1.66E-04	8.55E-05
2568	570006.4	4215660	2.44E-03	1.38E-03	3.73E-04	2.10E-04	1.68E-04	8.66E-05
2569	570015.7	4215659	2.47E-03	1.40E-03	3.78E-04	2.13E-04	1.71E-04	8.78E-05
2570	570025	4215657	2.51E-03	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
2571	570034.3	4215655	2.55E-03	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.06E-05
2572	570043.7	4215654	2.60E-03	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.21E-05
2573	570053	4215652	2.65E-03	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.39E-05
2574	570062.3	4215650	2.70E-03	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05
2575	570071.6	4215649	2.76E-03	1.56E-03	4.21E-04	2.37E-04	1.90E-04	9.78E-05
2576	570080.9	4215647	2.82E-03	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04
2577	570090.2	4215645	2.89E-03	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.02E-04
2578	570099.5	4215644	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2579	569933.8	4215680	2.21E-03	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2580	569924.7	4215677	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.93E-05
2581	569915.6	4215675	2.27E-03	1.29E-03	3.46E-04	1.95E-04	1.56E-04	8.05E-05
2582	569906.5	4215673	2.30E-03	1.30E-03	3.52E-04	1.98E-04	1.59E-04	8.17E-05
2583	569870	4215663	2.45E-03	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2584	569860.9	4215661	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2585	569851.8	4215659	2.53E-03	1.43E-03	3.86E-04	2.18E-04	1.74E-04	8.96E-05
2586	569842.7	4215656	2.56E-03	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.10E-05
2587	569833.6	4215654	2.60E-03	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
2588	569943	4215682	2.18E-03	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.72E-05
2589	569952.3	4215680	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
2590	569961.6	4215679	2.20E-03	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2591	569970.9	4215677	2.22E-03	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.88E-05
2592	569980.2	4215675	2.24E-03	1.27E-03	3.42E-04	1.93E-04	1.55E-04	7.95E-05
2593	569989.5	4215674	2.26E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.03E-05
2594	569998.8	4215672	2.29E-03	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.12E-05
2595	570008.2	4215670	2.32E-03	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.21E-05
2596	570017.5	4215669	2.35E-03	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.32E-05

2597	570026.8	4215667	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.45E-05
2598	570036.1	4215665	2.42E-03	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.58E-05
2599	570045.4	4215664	2.46E-03	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2600	570054.7	4215662	2.51E-03	1.42E-03	3.83E-04	2.16E-04	1.73E-04	8.90E-05
2601	570064.1	4215660	2.56E-03	1.45E-03	3.91E-04	2.20E-04	1.76E-04	9.07E-05
2602	570073.4	4215659	2.61E-03	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.26E-05
2603	570082.7	4215657	2.67E-03	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.47E-05
2604	570092	4215655	2.73E-03	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.69E-05
2605	570101.3	4215654	2.80E-03	1.59E-03	4.28E-04	2.41E-04	1.93E-04	9.93E-05
2606	569935.7	4215690	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2607	569926.6	4215687	2.13E-03	1.20E-03	3.25E-04	1.83E-04	1.47E-04	7.54E-05
2608	569917.5	4215685	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2609	569908.4	4215683	2.19E-03	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
2610	569899.4	4215680	2.22E-03	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.86E-05
2611	569863.1	4215671	2.35E-03	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.35E-05
2612	569854	4215669	2.39E-03	1.35E-03	3.65E-04	2.06E-04	1.65E-04	8.48E-05
2613	569844.9	4215666	2.43E-03	1.37E-03	3.71E-04	2.09E-04	1.67E-04	8.61E-05
2614	569944.7	4215692	2.07E-03	1.17E-03	3.16E-04	1.78E-04	1.43E-04	7.35E-05
2615	569954	4215690	2.09E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.40E-05
2616	569963.4	4215689	2.10E-03	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2617	569972.7	4215687	2.12E-03	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
2618	569982	4215685	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2619	569991.3	4215684	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2620	570000.6	4215682	2.18E-03	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
2621	570009.9	4215680	2.20E-03	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.81E-05
2622	570019.2	4215678	2.23E-03	1.26E-03	3.41E-04	1.92E-04	1.54E-04	7.91E-05
2623	570028.6	4215677	2.26E-03	1.28E-03	3.45E-04	1.95E-04	1.56E-04	8.03E-05
2624	570037.9	4215675	2.30E-03	1.30E-03	3.51E-04	1.98E-04	1.58E-04	8.16E-05
2625	570047.2	4215673	2.34E-03	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2626	570056.5	4215672	2.38E-03	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2627	570065.8	4215670	2.43E-03	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2628	570075.1	4215668	2.48E-03	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.79E-05
2629	570084.5	4215667	2.53E-03	1.44E-03	3.87E-04	2.18E-04	1.75E-04	8.98E-05
2630	570093.8	4215665	2.59E-03	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.19E-05
2631	570103.1	4215663	2.65E-03	1.50E-03	4.05E-04	2.29E-04	1.83E-04	9.42E-05
2632	569937.5	4215699	2.00E-03	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
2633	569928.4	4215697	2.02E-03	1.15E-03	3.09E-04	1.74E-04	1.40E-04	7.18E-05
2634	569919.4	4215695	2.05E-03	1.16E-03	3.13E-04	1.77E-04	1.41E-04	7.28E-05
2635	569910.4	4215692	2.08E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2636	569901.3	4215690	2.11E-03	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.47E-05
2637	569892.3	4215688	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2638	569946.5	4215702	1.98E-03	1.12E-03	3.02E-04	1.70E-04	1.36E-04	7.01E-05
2639	569955.8	4215700	1.99E-03	1.13E-03	3.04E-04	1.71E-04	1.37E-04	7.06E-05
2640	569965.1	4215698	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2641	569974.4	4215697	2.02E-03	1.15E-03	3.09E-04	1.74E-04	1.39E-04	7.17E-05
2642	569983.8	4215695	2.04E-03	1.16E-03	3.11E-04	1.76E-04	1.41E-04	7.23E-05
2643	569993.1	4215693	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2644	570002.4	4215692	2.08E-03	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2645	570011.7	4215690	2.10E-03	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2646	570021	4215688	2.13E-03	1.20E-03	3.25E-04	1.83E-04	1.46E-04	7.54E-05
2647	570030.3	4215687	2.16E-03	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2648	570039.6	4215685	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05

2649	570049	4215683	2.23E-03	1.26E-03	3.40E-04	1.92E-04	1.53E-04	7.90E-05
2650	570058.3	4215682	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
2651	570067.6	4215680	2.31E-03	1.31E-03	3.53E-04	1.99E-04	1.59E-04	8.20E-05
2652	570076.9	4215678	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2653	570086.2	4215677	2.41E-03	1.36E-03	3.68E-04	2.08E-04	1.66E-04	8.54E-05
2654	570095.5	4215675	2.46E-03	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2655	570104.9	4215673	2.52E-03	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
2656	569939.3	4215709	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.77E-05
2657	569930.3	4215707	1.93E-03	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
2658	569921.3	4215705	1.96E-03	1.11E-03	2.99E-04	1.68E-04	1.35E-04	6.94E-05
2659	569912.3	4215702	1.98E-03	1.12E-03	3.02E-04	1.71E-04	1.36E-04	7.02E-05
2660	569903.3	4215700	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2661	569894.3	4215698	2.03E-03	1.15E-03	3.11E-04	1.75E-04	1.40E-04	7.21E-05
2662	569885.3	4215695	2.06E-03	1.17E-03	3.15E-04	1.78E-04	1.42E-04	7.32E-05
2663	569876.3	4215693	2.00E-03	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2664	569948.3	4215712	1.89E-03	1.07E-03	2.88E-04	1.63E-04	1.30E-04	6.70E-05
2665	569957.6	4215710	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.75E-05
2666	569966.9	4215708	1.92E-03	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.80E-05
2667	569976.2	4215707	1.93E-03	1.09E-03	2.95E-04	1.67E-04	1.33E-04	6.85E-05
2668	569985.5	4215705	1.95E-03	1.10E-03	2.98E-04	1.68E-04	1.34E-04	6.91E-05
2669	569994.8	4215703	1.97E-03	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2670	570004.2	4215702	1.99E-03	1.13E-03	3.03E-04	1.71E-04	1.37E-04	7.05E-05
2671	570013.5	4215700	2.01E-03	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.12E-05
2672	570022.8	4215698	2.03E-03	1.15E-03	3.10E-04	1.75E-04	1.40E-04	7.20E-05
2673	570032.1	4215696	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2674	570041.4	4215695	2.09E-03	1.18E-03	3.19E-04	1.80E-04	1.44E-04	7.41E-05
2675	570050.7	4215693	2.12E-03	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
2676	570060	4215691	2.16E-03	1.22E-03	3.30E-04	1.86E-04	1.49E-04	7.66E-05
2677	570069.4	4215690	2.20E-03	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.80E-05
2678	570078.7	4215688	2.24E-03	1.27E-03	3.43E-04	1.93E-04	1.55E-04	7.96E-05
2679	570088	4215686	2.29E-03	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.13E-05
2680	570097.3	4215685	2.34E-03	1.33E-03	3.58E-04	2.02E-04	1.61E-04	8.31E-05
2681	569941.1	4215719	1.83E-03	1.03E-03	2.79E-04	1.57E-04	1.26E-04	6.48E-05
2682	569932.1	4215717	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
2683	569923.2	4215715	1.87E-03	1.06E-03	2.85E-04	1.61E-04	1.29E-04	6.63E-05
2684	569914.2	4215712	1.89E-03	1.07E-03	2.89E-04	1.63E-04	1.30E-04	6.71E-05
2685	569905.2	4215710	1.91E-03	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
2686	569896.3	4215708	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2687	569887.3	4215705	1.96E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2688	569878.3	4215703	1.99E-03	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.06E-05
2689	569869.4	4215701	1.92E-03	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.82E-05
2690	569950	4215721	1.81E-03	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2691	569959.4	4215720	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2692	569968.7	4215718	1.83E-03	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
2693	569978	4215716	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2694	569987.3	4215715	1.86E-03	1.06E-03	2.85E-04	1.61E-04	1.28E-04	6.61E-05
2695	569996.6	4215713	1.88E-03	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.68E-05
2696	570005.9	4215711	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2697	570015.2	4215710	1.92E-03	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.81E-05
2698	570024.6	4215708	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2699	570033.9	4215706	1.97E-03	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2700	570043.2	4215705	1.99E-03	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.07E-05

2701	570052.5	4215703	2.03E-03	1.15E-03	3.09E-04	1.75E-04	1.40E-04	7.18E-05
2702	570061.8	4215701	2.06E-03	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.31E-05
2703	570071.1	4215700	2.10E-03	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2704	570080.5	4215698	2.14E-03	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2705	570089.8	4215696	2.18E-03	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
2706	570099.1	4215695	2.23E-03	1.27E-03	3.41E-04	1.92E-04	1.54E-04	7.92E-05
2707	570108.4	4215693	2.29E-03	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.11E-05
2708	569942.9	4215729	1.75E-03	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
2709	569933.9	4215727	1.77E-03	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
2710	569925	4215724	1.79E-03	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2711	569916.1	4215722	1.81E-03	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2712	569907.2	4215720	1.83E-03	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
2713	569898.2	4215717	1.85E-03	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
2714	569889.3	4215715	1.88E-03	1.06E-03	2.86E-04	1.62E-04	1.29E-04	6.65E-05
2715	569880.4	4215713	1.90E-03	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2716	569871.4	4215711	1.84E-03	1.04E-03	2.81E-04	1.58E-04	1.27E-04	6.52E-05
2717	569862.5	4215708	1.85E-03	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2718	569591.2	4215444	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2719	569951.8	4215731	1.73E-03	9.81E-04	2.64E-04	1.49E-04	1.19E-04	6.14E-05
2720	569961.1	4215730	1.74E-03	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
2721	569970.4	4215728	1.76E-03	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
2722	569979.8	4215726	1.77E-03	1.00E-03	2.70E-04	1.53E-04	1.22E-04	6.28E-05
2723	569989.1	4215725	1.79E-03	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2724	569998.4	4215723	1.80E-03	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.39E-05
2725	570007.7	4215721	1.82E-03	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2726	570017	4215720	1.84E-03	1.04E-03	2.80E-04	1.58E-04	1.27E-04	6.52E-05
2727	570026.3	4215718	1.86E-03	1.05E-03	2.84E-04	1.60E-04	1.28E-04	6.59E-05
2728	570035.6	4215716	1.88E-03	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.67E-05
2729	570045	4215714	1.91E-03	1.08E-03	2.91E-04	1.64E-04	1.31E-04	6.76E-05
2730	570054.3	4215713	1.94E-03	1.10E-03	2.96E-04	1.67E-04	1.33E-04	6.87E-05
2731	570063.6	4215711	1.97E-03	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2732	570072.9	4215709	2.00E-03	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2733	570082.2	4215708	2.04E-03	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.24E-05
2734	570091.5	4215706	2.08E-03	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
2735	570134.3	4215513	9.31E-03	5.27E-03	1.42E-03	8.02E-04	6.42E-04	3.30E-04
2736	570122.9	4215521	8.15E-03	4.61E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
2737	570111.5	4215529	7.25E-03	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2738	570121.1	4215531	7.30E-03	4.13E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
2739	570100.1	4215538	6.57E-03	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
2740	570109.8	4215539	6.56E-03	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
2741	570119.4	4215541	6.60E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2742	570129	4215543	6.68E-03	3.79E-03	1.02E-03	5.76E-04	4.60E-04	2.37E-04
2743	570098.4	4215547	5.98E-03	3.39E-03	9.13E-04	5.15E-04	4.12E-04	2.12E-04
2744	570108	4215549	5.97E-03	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
2745	570117.7	4215551	6.00E-03	3.40E-03	9.17E-04	5.17E-04	4.14E-04	2.13E-04
2746	570096.7	4215557	5.46E-03	3.10E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2747	570106.3	4215559	5.46E-03	3.09E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2748	570115.9	4215561	5.48E-03	3.11E-03	8.37E-04	4.72E-04	3.78E-04	1.94E-04
2749	570094.9	4215567	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2750	570104.6	4215569	5.01E-03	2.84E-03	7.65E-04	4.31E-04	3.45E-04	1.78E-04
2751	570114.2	4215571	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
2752	570123.8	4215572	5.08E-03	2.88E-03	7.76E-04	4.38E-04	3.50E-04	1.80E-04

2753	570102.8	4215579	4.61E-03	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2754	570112.5	4215580	4.63E-03	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2755	570122.1	4215582	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2756	570101.1	4215589	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
2757	570110.7	4215590	4.29E-03	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2758	570099.3	4215598	3.96E-03	2.24E-03	6.05E-04	3.41E-04	2.73E-04	1.40E-04
2759	570109	4215600	3.99E-03	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.41E-04
2760	570118.6	4215602	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2761	570107.2	4215610	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.57E-04	1.32E-04
2762	570105.5	4215620	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2763	570113.4	4215631	3.28E-03	1.86E-03	5.01E-04	2.82E-04	2.26E-04	1.16E-04
2764	570111.7	4215641	3.07E-03	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2765	570088.1	4215718	1.96E-03	1.11E-03	2.99E-04	1.69E-04	1.35E-04	6.94E-05
2766	570097.7	4215720	1.97E-03	1.12E-03	3.01E-04	1.70E-04	1.36E-04	6.98E-05

	Max Yr	**1**	T2	T2L3	T4f
	Row	**18**	1.13E-01	1.73E-02	7.79E-03
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**15%**	**7%**
			Year 1	Year 1	Year 1
1	570176.2	4215489	7.74E-02	1.18E-02	5.34E-03
2	570192.2	4215484	8.75E-02	1.34E-02	6.03E-03
3	570208.7	4215477	1.02E-01	1.56E-02	7.03E-03
4	570225.2	4215470	1.17E-01	1.79E-02	8.09E-03
5	570241.7	4215462	1.30E-01	1.98E-02	8.96E-03
6	570258.2	4215455	1.38E-01	2.11E-02	9.50E-03
7	570179.3	4215498	6.84E-02	1.04E-02	4.71E-03
8	570162	4215500	6.17E-02	9.43E-03	4.25E-03
9	570196.2	4215493	7.78E-02	1.19E-02	5.36E-03
10	570212.7	4215486	9.12E-02	1.39E-02	6.28E-03
11	570229.2	4215479	1.05E-01	1.61E-02	7.25E-03
12	570237.5	4215475	1.11E-01	1.70E-02	7.68E-03
13	570254	4215468	1.22E-01	1.86E-02	8.39E-03
14	570183.7	4215507	6.18E-02	9.44E-03	4.26E-03
15	570167.2	4215509	5.59E-02	8.54E-03	3.85E-03
16	570150.7	4215511	5.09E-02	7.77E-03	3.51E-03
17	570200.2	4215503	7.02E-02	1.07E-02	4.84E-03
18	570216.7	4215495	8.22E-02	1.26E-02	5.67E-03
19	570225	4215492	8.88E-02	1.36E-02	6.12E-03
20	570241.5	4215484	1.01E-01	1.54E-02	6.94E-03
21	570249.8	4215481	1.06E-01	1.62E-02	7.29E-03
22	570266.3	4215473	1.14E-01	1.74E-02	7.86E-03
23	570188.1	4215516	5.64E-02	8.61E-03	3.89E-03
24	570172.2	4215518	5.09E-02	7.77E-03	3.51E-03
25	570156.3	4215520	4.66E-02	7.11E-03	3.21E-03
26	570140.5	4215522	4.29E-02	6.55E-03	2.95E-03
27	570204.3	4215512	6.41E-02	9.79E-03	4.42E-03
28	570220.8	4215504	7.50E-02	1.15E-02	5.17E-03
29	570237.3	4215497	8.63E-02	1.32E-02	5.95E-03
30	570253.8	4215490	9.61E-02	1.47E-02	6.62E-03
31	570262.1	4215486	1.00E-01	1.53E-02	6.92E-03
32	570191.4	4215526	5.16E-02	7.87E-03	3.55E-03
33	570174.1	4215528	4.59E-02	7.01E-03	3.16E-03
34	570156.8	4215530	4.19E-02	6.40E-03	2.89E-03
35	570139.4	4215532	3.85E-02	5.87E-03	2.65E-03
36	570208.3	4215521	5.90E-02	9.02E-03	4.07E-03
37	570216.6	4215517	6.38E-02	9.74E-03	4.39E-03
38	570233.1	4215510	7.38E-02	1.13E-02	5.09E-03
39	570249.6	4215503	8.34E-02	1.27E-02	5.75E-03
40	570266.1	4215495	9.16E-02	1.40E-02	6.31E-03
41	570274.4	4215492	9.52E-02	1.45E-02	6.56E-03
42	570195.7	4215535	4.78E-02	7.30E-03	3.30E-03
43	570179.1	4215537	4.29E-02	6.55E-03	2.96E-03
44	570162.4	4215539	3.91E-02	5.97E-03	2.69E-03
45	570145.7	4215541	3.60E-02	5.50E-03	2.48E-03
46	570212.3	4215530	5.45E-02	8.33E-03	3.76E-03

47	570228.8	4215523	6.31E-02	9.64E-03	4.35E-03
48	570245.4	4215515	7.22E-02	1.10E-02	4.98E-03
49	570261.9	4215508	8.08E-02	1.23E-02	5.57E-03
50	570278.4	4215501	8.76E-02	1.34E-02	6.04E-03
51	570200	4215544	4.45E-02	6.80E-03	3.07E-03
52	570183.9	4215546	4.02E-02	6.14E-03	2.77E-03
53	570167.7	4215548	3.66E-02	5.59E-03	2.52E-03
54	570151.5	4215550	3.38E-02	5.16E-03	2.33E-03
55	570135.4	4215552	3.14E-02	4.80E-03	2.17E-03
56	570216.4	4215539	5.06E-02	7.73E-03	3.49E-03
57	570232.9	4215532	5.84E-02	8.92E-03	4.03E-03
58	570241.1	4215528	6.25E-02	9.54E-03	4.31E-03
59	570257.6	4215521	7.07E-02	1.08E-02	4.87E-03
60	570274.2	4215514	7.80E-02	1.19E-02	5.37E-03
61	570203.5	4215553	4.13E-02	6.31E-03	2.85E-03
62	570186.2	4215555	3.72E-02	5.68E-03	2.56E-03
63	570168.8	4215557	3.37E-02	5.14E-03	2.32E-03
64	570151.5	4215559	3.10E-02	4.73E-03	2.14E-03
65	570134.2	4215561	2.87E-02	4.38E-03	1.98E-03
66	570220.4	4215548	4.72E-02	7.20E-03	3.25E-03
67	570228.6	4215545	5.08E-02	7.75E-03	3.50E-03
68	570245.2	4215537	5.82E-02	8.88E-03	4.01E-03
69	570253.4	4215534	6.19E-02	9.46E-03	4.27E-03
70	570269.9	4215526	6.89E-02	1.05E-02	4.75E-03
71	570286.5	4215519	7.51E-02	1.15E-02	5.17E-03
72	570207.8	4215562	3.89E-02	5.94E-03	2.68E-03
73	570191	4215564	3.51E-02	5.36E-03	2.42E-03
74	570174.2	4215566	3.18E-02	4.85E-03	2.19E-03
75	570157.4	4215568	2.93E-02	4.47E-03	2.02E-03
76	570140.6	4215570	2.72E-02	4.15E-03	1.87E-03
77	570224.4	4215557	4.41E-02	6.74E-03	3.04E-03
78	570240.9	4215550	5.08E-02	7.75E-03	3.50E-03
79	570257.5	4215543	5.77E-02	8.80E-03	3.97E-03
80	570274	4215536	6.42E-02	9.80E-03	4.42E-03
81	570282.2	4215532	6.71E-02	1.02E-02	4.62E-03
82	570211.3	4215571	3.65E-02	5.58E-03	2.52E-03
83	570193.4	4215573	3.28E-02	5.01E-03	2.26E-03
84	570175.6	4215576	2.95E-02	4.51E-03	2.04E-03
85	570157.8	4215578	2.71E-02	4.13E-03	1.86E-03
86	570139.9	4215580	2.50E-02	3.82E-03	1.72E-03
87	570220.2	4215570	3.85E-02	5.88E-03	2.65E-03
88	570236.7	4215563	4.43E-02	6.77E-03	3.05E-03
89	570253.2	4215556	5.05E-02	7.71E-03	3.48E-03
90	570269.7	4215548	5.67E-02	8.66E-03	3.91E-03
91	570286.3	4215541	6.25E-02	9.55E-03	4.31E-03
92	570215.6	4215580	3.45E-02	5.26E-03	2.38E-03
93	570198.3	4215583	3.12E-02	4.76E-03	2.15E-03
94	570180.9	4215585	2.82E-02	4.30E-03	1.94E-03
95	570163.6	4215587	2.57E-02	3.93E-03	1.77E-03
96	570146.3	4215589	2.38E-02	3.63E-03	1.64E-03
97	570129	4215591	2.23E-02	3.40E-03	1.54E-03
98	570232.5	4215576	3.87E-02	5.92E-03	2.67E-03

99	570249	4215568	4.41E-02	6.74E-03	3.04E-03
100	570265.5	4215561	4.98E-02	7.60E-03	3.43E-03
101	570282	4215554	5.55E-02	8.48E-03	3.83E-03
102	570290.3	4215550	5.82E-02	8.89E-03	4.01E-03
103	570298.5	4215547	6.07E-02	9.27E-03	4.19E-03
104	570219.8	4215590	3.25E-02	4.96E-03	2.24E-03
105	570203	4215592	2.95E-02	4.51E-03	2.04E-03
106	570186.1	4215594	2.69E-02	4.10E-03	1.85E-03
107	570169.2	4215596	2.45E-02	3.74E-03	1.69E-03
108	570152.4	4215598	2.27E-02	3.47E-03	1.57E-03
109	570135.5	4215600	2.13E-02	3.25E-03	1.47E-03
110	570236.5	4215585	3.60E-02	5.50E-03	2.48E-03
111	570253	4215578	4.07E-02	6.22E-03	2.80E-03
112	570261.3	4215574	4.32E-02	6.60E-03	2.98E-03
113	570277.8	4215567	4.86E-02	7.42E-03	3.35E-03
114	570294.3	4215559	5.40E-02	8.24E-03	3.72E-03
115	570223.4	4215599	3.04E-02	4.64E-03	2.10E-03
116	570205.7	4215601	2.77E-02	4.23E-03	1.91E-03
117	570187.9	4215603	2.51E-02	3.84E-03	1.73E-03
118	570170.1	4215605	2.29E-02	3.50E-03	1.58E-03
119	570161.3	4215606	2.20E-02	3.36E-03	1.52E-03
120	570143.5	4215608	2.05E-02	3.12E-03	1.41E-03
121	570125.8	4215611	1.93E-02	2.95E-03	1.33E-03
122	570232.3	4215598	3.16E-02	4.82E-03	2.18E-03
123	570248.8	4215590	3.56E-02	5.43E-03	2.45E-03
124	570265.3	4215583	3.74E-02	5.72E-03	2.58E-03
125	570281.8	4215576	4.50E-02	6.87E-03	3.10E-03
126	570290.1	4215572	4.75E-02	7.25E-03	3.27E-03
127	570298.4	4215569	5.00E-02	7.63E-03	3.44E-03
128	570227.7	4215608	2.85E-02	4.35E-03	1.96E-03
129	570210.4	4215610	2.63E-02	4.02E-03	1.81E-03
130	570193	4215612	2.40E-02	3.67E-03	1.65E-03
131	570175.7	4215614	2.19E-02	3.35E-03	1.51E-03
132	570158.4	4215616	2.03E-02	3.10E-03	1.40E-03
133	570141.1	4215618	1.90E-02	2.90E-03	1.31E-03
134	570123.8	4215620	1.80E-02	2.75E-03	1.24E-03
135	570244.6	4215603	3.13E-02	4.79E-03	2.16E-03
136	570261.1	4215596	3.26E-02	4.98E-03	2.25E-03
137	570277.6	4215589	3.66E-02	5.58E-03	2.52E-03
138	570294.1	4215581	4.14E-02	6.33E-03	2.86E-03
139	570302.4	4215578	4.44E-02	6.78E-03	3.06E-03
140	570231.9	4215617	2.68E-02	4.09E-03	1.84E-03
141	570215	4215619	2.49E-02	3.81E-03	1.72E-03
142	570198	4215621	2.29E-02	3.49E-03	1.58E-03
143	570181.1	4215623	2.10E-02	3.20E-03	1.44E-03
144	570164.2	4215625	1.94E-02	2.96E-03	1.34E-03
145	570147.3	4215627	1.82E-02	2.78E-03	1.25E-03
146	570130.3	4215629	1.72E-02	2.63E-03	1.19E-03
147	570248.6	4215612	2.75E-02	4.20E-03	1.89E-03
148	570256.9	4215609	2.88E-02	4.40E-03	1.99E-03
149	570273.4	4215601	3.21E-02	4.90E-03	2.21E-03
150	570289.9	4215594	3.60E-02	5.50E-03	2.48E-03

151	570298.2	4215591	3.83E-02	5.84E-03	2.64E-03
152	570314.7	4215583	4.34E-02	6.62E-03	2.99E-03
153	570235.5	4215626	2.52E-02	3.85E-03	1.74E-03
154	570226.7	4215627	2.43E-02	3.71E-03	1.67E-03
155	570209	4215629	2.24E-02	3.42E-03	1.55E-03
156	570191.3	4215632	2.05E-02	3.14E-03	1.41E-03
157	570173.6	4215634	1.88E-02	2.87E-03	1.30E-03
158	570164.8	4215635	1.82E-02	2.78E-03	1.25E-03
159	570147.1	4215637	1.70E-02	2.60E-03	1.17E-03
160	570129.4	4215639	1.61E-02	2.46E-03	1.11E-03
161	570252.6	4215622	2.58E-02	3.94E-03	1.78E-03
162	570269.2	4215614	2.83E-02	4.32E-03	1.95E-03
163	570285.7	4215607	3.18E-02	4.86E-03	2.19E-03
164	570302.2	4215600	3.59E-02	5.48E-03	2.47E-03
165	570318.7	4215592	4.04E-02	6.17E-03	2.78E-03
166	570239.8	4215635	2.38E-02	3.64E-03	1.64E-03
167	570222.5	4215637	2.22E-02	3.40E-03	1.53E-03
168	570205.1	4215640	2.05E-02	3.12E-03	1.41E-03
169	570187.8	4215642	1.88E-02	2.87E-03	1.30E-03
170	570170.5	4215644	1.74E-02	2.66E-03	1.20E-03
171	570153.2	4215646	1.64E-02	2.50E-03	1.13E-03
172	570135.9	4215648	1.55E-02	2.36E-03	1.07E-03
173	570118.6	4215650	1.48E-02	2.25E-03	1.02E-03
174	570256.7	4215631	2.61E-02	3.98E-03	1.80E-03
175	570273.2	4215623	2.69E-02	4.11E-03	1.86E-03
176	570281.5	4215620	2.83E-02	4.33E-03	1.95E-03
177	570298	4215612	3.17E-02	4.84E-03	2.19E-03
178	570306.2	4215609	3.38E-02	5.16E-03	2.33E-03
179	570314.5	4215605	3.59E-02	5.48E-03	2.47E-03
180	570244	4215644	2.26E-02	3.45E-03	1.56E-03
181	570227	4215647	2.11E-02	3.23E-03	1.46E-03
182	570210	4215649	1.95E-02	2.98E-03	1.34E-03
183	570193	4215651	1.80E-02	2.75E-03	1.24E-03
184	570176.1	4215653	1.67E-02	2.55E-03	1.15E-03
185	570159.1	4215655	1.57E-02	2.40E-03	1.08E-03
186	570142.1	4215657	1.49E-02	2.27E-03	1.02E-03
187	570125.2	4215659	1.42E-02	2.17E-03	9.77E-04
188	570260.7	4215640	2.47E-02	3.77E-03	1.70E-03
189	570269	4215636	2.60E-02	3.97E-03	1.79E-03
190	570277.2	4215633	2.58E-02	3.93E-03	1.77E-03
191	570293.7	4215625	2.85E-02	4.34E-03	1.96E-03
192	570310.3	4215618	3.19E-02	4.88E-03	2.20E-03
193	570326.8	4215611	3.71E-02	5.67E-03	2.56E-03
194	570247.7	4215654	2.14E-02	3.27E-03	1.48E-03
195	570230	4215656	1.99E-02	3.04E-03	1.37E-03
196	570212.4	4215658	1.84E-02	2.80E-03	1.27E-03
197	570194.7	4215660	1.70E-02	2.59E-03	1.17E-03
198	570177.1	4215662	1.57E-02	2.40E-03	1.08E-03
199	570159.4	4215664	1.48E-02	2.26E-03	1.02E-03
200	570141.7	4215666	1.40E-02	2.14E-03	9.67E-04
201	570124.1	4215669	1.34E-02	2.04E-03	9.22E-04
202	570264.7	4215649	2.34E-02	3.57E-03	1.61E-03

203	570281.3	4215642	2.59E-02	3.96E-03	1.79E-03
204	570297.8	4215634	2.87E-02	4.39E-03	1.98E-03
205	570314.3	4215627	3.18E-02	4.85E-03	2.19E-03
206	570330.8	4215620	3.49E-02	5.33E-03	2.40E-03
207	570251.9	4215663	2.03E-02	3.11E-03	1.40E-03
208	570234.6	4215665	1.89E-02	2.89E-03	1.30E-03
209	570217.2	4215667	1.75E-02	2.67E-03	1.21E-03
210	570199.9	4215669	1.62E-02	2.48E-03	1.12E-03
211	570182.6	4215671	1.51E-02	2.31E-03	1.04E-03
212	570165.3	4215673	1.42E-02	2.17E-03	9.81E-04
213	570148	4215675	1.35E-02	2.07E-03	9.32E-04
214	570130.7	4215677	1.29E-02	1.97E-03	8.89E-04
215	570113.4	4215680	1.24E-02	1.89E-03	8.52E-04
216	570268.8	4215658	2.22E-02	3.39E-03	1.53E-03
217	570277	4215654	2.33E-02	3.56E-03	1.61E-03
218	570293.6	4215647	2.58E-02	3.94E-03	1.78E-03
219	570310.1	4215640	2.85E-02	4.36E-03	1.97E-03
220	570326.6	4215633	3.14E-02	4.80E-03	2.16E-03
221	570256	4215672	1.93E-02	2.94E-03	1.33E-03
222	570239	4215674	1.79E-02	2.74E-03	1.23E-03
223	570222	4215676	1.67E-02	2.55E-03	1.15E-03
224	570205	4215678	1.55E-02	2.37E-03	1.07E-03
225	570188	4215680	1.45E-02	2.22E-03	1.00E-03
226	570171	4215682	1.37E-02	2.09E-03	9.43E-04
227	570154	4215684	1.30E-02	1.99E-03	8.97E-04
228	570137	4215686	1.24E-02	1.90E-03	8.57E-04
229	570120	4215688	1.19E-02	1.82E-03	8.22E-04
230	570272.8	4215667	2.10E-02	3.21E-03	1.45E-03
231	570281.1	4215664	2.22E-02	3.39E-03	1.53E-03
232	570297.6	4215656	2.45E-02	3.74E-03	1.69E-03
233	570305.8	4215653	2.57E-02	3.93E-03	1.77E-03
234	570314.1	4215649	2.70E-02	4.12E-03	1.86E-03
235	570330.6	4215642	2.97E-02	4.53E-03	2.04E-03
236	570338.9	4215638	3.10E-02	4.73E-03	2.14E-03
237	570259.8	4215681	1.82E-02	2.78E-03	1.25E-03
238	570242.2	4215683	1.69E-02	2.58E-03	1.16E-03
239	570224.5	4215685	1.57E-02	2.39E-03	1.08E-03
240	570206.9	4215687	1.46E-02	2.23E-03	1.01E-03
241	570189.3	4215690	1.37E-02	2.10E-03	9.46E-04
242	570171.7	4215692	1.30E-02	1.98E-03	8.94E-04
243	570154.1	4215694	1.23E-02	1.88E-03	8.50E-04
244	570136.5	4215696	1.18E-02	1.80E-03	8.13E-04
245	570118.8	4215698	1.13E-02	1.73E-03	7.81E-04
246	570276.8	4215676	1.99E-02	3.04E-03	1.37E-03
247	570285.1	4215673	2.09E-02	3.20E-03	1.44E-03
248	570293.4	4215669	2.20E-02	3.37E-03	1.52E-03
249	570309.9	4215662	2.44E-02	3.72E-03	1.68E-03
250	570318.1	4215658	2.56E-02	3.90E-03	1.76E-03
251	570334.6	4215651	2.80E-02	4.28E-03	1.93E-03
252	570264	4215690	1.71E-02	2.62E-03	1.18E-03
253	570246.6	4215692	1.59E-02	2.44E-03	1.10E-03
254	570229.3	4215694	1.49E-02	2.27E-03	1.02E-03

255	570212	4215697	1.39E-02	2.13E-03	9.61E-04
256	570194.7	4215699	1.32E-02	2.01E-03	9.07E-04
257	570177.4	4215701	1.25E-02	1.91E-03	8.61E-04
258	570160.1	4215703	1.19E-02	1.82E-03	8.20E-04
259	570142.8	4215705	1.14E-02	1.74E-03	7.84E-04
260	570125.5	4215707	1.09E-02	1.67E-03	7.54E-04
261	570108.1	4215709	1.05E-02	1.61E-03	7.27E-04
262	570280.9	4215686	1.87E-02	2.86E-03	1.29E-03
263	570297.4	4215678	2.08E-02	3.18E-03	1.43E-03
264	570305.6	4215675	2.19E-02	3.34E-03	1.51E-03
265	570322.2	4215667	2.41E-02	3.68E-03	1.66E-03
266	570330.4	4215664	2.53E-02	3.86E-03	1.74E-03
267	570346.9	4215656	2.75E-02	4.20E-03	1.90E-03
268	570267.7	4215699	1.61E-02	2.46E-03	1.11E-03
269	570249.8	4215702	1.50E-02	2.29E-03	1.03E-03
270	570231.9	4215704	1.40E-02	2.13E-03	9.63E-04
271	570223	4215705	1.35E-02	2.07E-03	9.34E-04
272	570214	4215706	1.31E-02	2.01E-03	9.06E-04
273	570196.1	4215708	1.25E-02	1.90E-03	8.59E-04
274	570178.3	4215710	1.19E-02	1.82E-03	8.19E-04
275	570169.3	4215711	1.16E-02	1.77E-03	8.00E-04
276	570151.4	4215713	1.11E-02	1.69E-03	7.63E-04
277	570133.5	4215716	1.06E-02	1.62E-03	7.32E-04
278	570115.6	4215718	1.02E-02	1.56E-03	7.05E-04
279	570284.9	4215695	1.76E-02	2.69E-03	1.22E-03
280	570293.2	4215691	1.86E-02	2.84E-03	1.28E-03
281	570309.7	4215684	2.06E-02	3.15E-03	1.42E-03
282	570317.9	4215680	2.17E-02	3.32E-03	1.50E-03
283	570334.5	4215673	2.38E-02	3.64E-03	1.64E-03
284	570342.7	4215669	2.49E-02	3.80E-03	1.72E-03
285	570282.2	4215444	1.41E-01	2.15E-02	9.68E-03
286	570275.6	4215451	1.37E-01	2.09E-02	9.42E-03
287	570268.9	4215458	1.32E-01	2.01E-02	9.07E-03
288	570298.6	4215441	1.34E-01	2.05E-02	9.24E-03
289	570292.2	4215447	1.32E-01	2.02E-02	9.10E-03
290	570285.7	4215454	1.29E-01	1.97E-02	8.90E-03
291	570279.2	4215460	1.25E-01	1.91E-02	8.63E-03
292	570272.8	4215467	1.20E-01	1.84E-02	8.29E-03
293	570308.3	4215444	1.27E-01	1.93E-02	8.72E-03
294	570302	4215450	1.25E-01	1.91E-02	8.60E-03
295	570295.6	4215457	1.22E-01	1.87E-02	8.42E-03
296	570289.3	4215463	1.19E-01	1.82E-02	8.21E-03
297	570276.6	4215476	1.10E-01	1.68E-02	7.57E-03
298	570322.7	4215443	1.20E-01	1.84E-02	8.28E-03
299	570315.8	4215450	1.19E-01	1.82E-02	8.22E-03
300	570308.9	4215457	1.17E-01	1.79E-02	8.09E-03
301	570302	4215464	1.15E-01	1.75E-02	7.90E-03
302	570295.1	4215471	1.11E-01	1.70E-02	7.65E-03
303	570288.2	4215478	1.06E-01	1.63E-02	7.34E-03
304	570281.3	4215485	1.01E-01	1.54E-02	6.97E-03
305	570339	4215439	1.13E-01	1.72E-02	7.75E-03
306	570332.2	4215446	1.13E-01	1.73E-02	7.80E-03

307	570325.5	4215453	1.13E-01	1.72E-02	7.78E-03
308	570318.8	4215460	1.12E-01	1.70E-02	7.68E-03
309	570312	4215467	1.09E-01	1.67E-02	7.53E-03
310	570305.3	4215474	1.06E-01	1.62E-02	7.33E-03
311	570298.6	4215480	1.03E-01	1.57E-02	7.07E-03
312	570291.8	4215487	9.80E-02	1.50E-02	6.75E-03
313	570285.1	4215494	9.30E-02	1.42E-02	6.41E-03
314	570355.7	4215399	1.13E-01	1.73E-02	7.79E-03
315	570355.5	4215408	1.11E-01	1.69E-02	7.64E-03
316	570355.3	4215418	1.09E-01	1.67E-02	7.52E-03
317	570348.3	4215443	1.06E-01	1.62E-02	7.32E-03
318	570341.7	4215450	1.07E-01	1.64E-02	7.38E-03
319	570335.1	4215457	1.07E-01	1.64E-02	7.38E-03
320	570328.5	4215463	1.06E-01	1.62E-02	7.31E-03
321	570322	4215470	1.04E-01	1.59E-02	7.19E-03
322	570315.4	4215477	1.02E-01	1.56E-02	7.02E-03
323	570308.8	4215483	9.88E-02	1.51E-02	6.81E-03
324	570302.2	4215490	9.50E-02	1.45E-02	6.54E-03
325	570295.6	4215497	9.05E-02	1.38E-02	6.24E-03
326	570289	4215503	8.59E-02	1.31E-02	5.92E-03
327	570365.1	4215394	1.08E-01	1.65E-02	7.45E-03
328	570364.9	4215404	1.06E-01	1.62E-02	7.33E-03
329	570364.7	4215413	1.05E-01	1.60E-02	7.22E-03
330	570357.6	4215447	1.01E-01	1.54E-02	6.95E-03
331	570351.2	4215454	1.02E-01	1.55E-02	7.01E-03
332	570344.7	4215460	1.02E-01	1.56E-02	7.03E-03
333	570338.2	4215467	1.01E-01	1.55E-02	6.98E-03
334	570331.8	4215473	9.98E-02	1.52E-02	6.88E-03
335	570325.3	4215480	9.78E-02	1.49E-02	6.74E-03
336	570318.8	4215486	9.51E-02	1.45E-02	6.56E-03
337	570312.3	4215493	9.19E-02	1.40E-02	6.33E-03
338	570305.9	4215499	8.81E-02	1.35E-02	6.07E-03
339	570299.4	4215506	8.40E-02	1.28E-02	5.79E-03
340	570292.9	4215513	7.96E-02	1.22E-02	5.49E-03
341	570374.4	4215395	1.03E-01	1.57E-02	7.06E-03
342	570374.2	4215405	1.01E-01	1.54E-02	6.96E-03
343	570374	4215415	9.96E-02	1.52E-02	6.86E-03
344	570366.4	4215451	9.59E-02	1.47E-02	6.61E-03
345	570359.5	4215458	9.69E-02	1.48E-02	6.68E-03
346	570352.6	4215465	9.74E-02	1.49E-02	6.71E-03
347	570345.7	4215472	9.65E-02	1.47E-02	6.65E-03
348	570338.8	4215479	9.50E-02	1.45E-02	6.55E-03
349	570331.9	4215486	9.29E-02	1.42E-02	6.40E-03
350	570325	4215493	9.01E-02	1.38E-02	6.21E-03
351	570318.1	4215500	8.67E-02	1.32E-02	5.97E-03
352	570311.2	4215507	8.28E-02	1.26E-02	5.71E-03
353	570304.3	4215514	7.86E-02	1.20E-02	5.42E-03
354	570297.4	4215521	7.42E-02	1.13E-02	5.11E-03
355	570383.8	4215390	9.80E-02	1.50E-02	6.75E-03
356	570383.6	4215400	9.69E-02	1.48E-02	6.68E-03
357	570383.4	4215410	9.57E-02	1.46E-02	6.60E-03
358	570382.7	4215439	9.15E-02	1.40E-02	6.31E-03

359	570375.8	4215455	9.14E-02	1.40E-02	6.30E-03
360	570369	4215462	9.24E-02	1.41E-02	6.36E-03
361	570362.2	4215469	9.28E-02	1.42E-02	6.39E-03
362	570355.4	4215476	9.24E-02	1.41E-02	6.37E-03
363	570348.7	4215483	9.12E-02	1.39E-02	6.29E-03
364	570341.9	4215489	8.94E-02	1.37E-02	6.16E-03
365	570335.1	4215496	8.71E-02	1.33E-02	6.00E-03
366	570328.4	4215503	8.41E-02	1.28E-02	5.79E-03
367	570321.6	4215510	8.06E-02	1.23E-02	5.56E-03
368	570314.8	4215517	7.69E-02	1.17E-02	5.30E-03
369	570308.1	4215524	7.30E-02	1.11E-02	5.03E-03
370	570301.3	4215531	6.91E-02	1.06E-02	4.76E-03
371	570393	4215395	9.28E-02	1.42E-02	6.39E-03
372	570392.8	4215405	9.18E-02	1.40E-02	6.32E-03
373	570392.6	4215414	9.08E-02	1.39E-02	6.26E-03
374	570392	4215443	8.72E-02	1.33E-02	6.01E-03
375	570385.1	4215459	8.72E-02	1.33E-02	6.01E-03
376	570378.4	4215466	8.81E-02	1.35E-02	6.07E-03
377	570371.8	4215472	8.84E-02	1.35E-02	6.09E-03
378	570365.1	4215479	8.82E-02	1.35E-02	6.08E-03
379	570358.5	4215486	8.75E-02	1.34E-02	6.03E-03
380	570351.8	4215493	8.61E-02	1.31E-02	5.93E-03
381	570345.1	4215499	8.40E-02	1.28E-02	5.79E-03
382	570338.5	4215506	8.15E-02	1.24E-02	5.62E-03
383	570331.8	4215513	7.85E-02	1.20E-02	5.41E-03
384	570325.2	4215520	7.51E-02	1.15E-02	5.17E-03
385	570318.5	4215526	7.15E-02	1.09E-02	4.93E-03
386	570311.9	4215533	6.81E-02	1.04E-02	4.69E-03
387	570305.2	4215540	6.45E-02	9.85E-03	4.45E-03
388	570402.4	4215391	8.87E-02	1.36E-02	6.12E-03
389	570402.2	4215400	8.80E-02	1.34E-02	6.07E-03
390	570402	4215409	8.72E-02	1.33E-02	6.01E-03
391	570401.2	4215447	8.32E-02	1.27E-02	5.73E-03
392	570394.4	4215463	8.31E-02	1.27E-02	5.73E-03
393	570387.8	4215469	8.40E-02	1.28E-02	5.79E-03
394	570381.3	4215476	8.45E-02	1.29E-02	5.82E-03
395	570374.7	4215483	8.44E-02	1.29E-02	5.81E-03
396	570368.2	4215489	8.38E-02	1.28E-02	5.77E-03
397	570361.6	4215496	8.27E-02	1.26E-02	5.70E-03
398	570355	4215503	8.11E-02	1.24E-02	5.59E-03
399	570348.5	4215509	7.89E-02	1.20E-02	5.44E-03
400	570341.9	4215516	7.63E-02	1.16E-02	5.26E-03
401	570335.4	4215523	7.33E-02	1.12E-02	5.05E-03
402	570328.8	4215529	7.01E-02	1.07E-02	4.83E-03
403	570322.3	4215536	6.69E-02	1.02E-02	4.61E-03
404	570315.7	4215542	6.36E-02	9.71E-03	4.38E-03
405	570309.1	4215549	6.01E-02	9.18E-03	4.14E-03
406	570411.7	4215391	8.46E-02	1.29E-02	5.83E-03
407	570411.5	4215401	8.40E-02	1.28E-02	5.79E-03
408	570411.3	4215411	8.33E-02	1.27E-02	5.74E-03
409	570410.6	4215440	8.06E-02	1.23E-02	5.56E-03
410	570410.4	4215450	7.95E-02	1.21E-02	5.48E-03

411	570403.3	4215467	7.94E-02	1.21E-02	5.47E-03
412	570396.3	4215474	8.02E-02	1.22E-02	5.52E-03
413	570389.4	4215481	8.07E-02	1.23E-02	5.56E-03
414	570382.5	4215488	8.08E-02	1.23E-02	5.57E-03
415	570375.6	4215495	8.01E-02	1.22E-02	5.52E-03
416	570368.7	4215502	7.89E-02	1.20E-02	5.43E-03
417	570361.8	4215509	7.72E-02	1.18E-02	5.32E-03
418	570354.9	4215516	7.52E-02	1.15E-02	5.18E-03
419	570348	4215523	7.25E-02	1.11E-02	5.00E-03
420	570341.1	4215530	6.96E-02	1.06E-02	4.79E-03
421	570334.2	4215537	6.64E-02	1.01E-02	4.58E-03
422	570327.3	4215544	6.32E-02	9.64E-03	4.35E-03
423	570320.4	4215551	5.98E-02	9.12E-03	4.12E-03
424	570313.5	4215558	5.62E-02	8.59E-03	3.87E-03
425	570421.1	4215386	8.10E-02	1.24E-02	5.58E-03
426	570420.9	4215396	8.06E-02	1.23E-02	5.55E-03
427	570420.7	4215406	8.00E-02	1.22E-02	5.52E-03
428	570420.5	4215415	7.95E-02	1.21E-02	5.48E-03
429	570419.8	4215444	7.69E-02	1.17E-02	5.30E-03
430	570419.6	4215454	7.59E-02	1.16E-02	5.23E-03
431	570412.6	4215471	7.58E-02	1.16E-02	5.22E-03
432	570405.8	4215478	7.65E-02	1.17E-02	5.27E-03
433	570399	4215484	7.69E-02	1.17E-02	5.30E-03
434	570392.2	4215491	7.71E-02	1.18E-02	5.31E-03
435	570385.4	4215498	7.68E-02	1.17E-02	5.29E-03
436	570378.6	4215505	7.58E-02	1.16E-02	5.22E-03
437	570371.8	4215512	7.43E-02	1.14E-02	5.12E-03
438	570365	4215519	7.26E-02	1.11E-02	5.00E-03
439	570358.2	4215526	7.04E-02	1.08E-02	4.85E-03
440	570351.4	4215533	6.80E-02	1.04E-02	4.68E-03
441	570344.6	4215540	6.51E-02	9.94E-03	4.49E-03
442	570337.8	4215547	6.21E-02	9.48E-03	4.28E-03
443	570331	4215553	5.89E-02	9.00E-03	4.06E-03
444	570324.2	4215560	5.57E-02	8.50E-03	3.84E-03
445	570317.4	4215567	5.22E-02	7.97E-03	3.60E-03
446	570430.5	4215382	7.74E-02	1.18E-02	5.34E-03
447	570430.3	4215391	7.73E-02	1.18E-02	5.33E-03
448	570430.1	4215401	7.70E-02	1.18E-02	5.30E-03
449	570429.9	4215410	7.65E-02	1.17E-02	5.27E-03
450	570429.2	4215439	7.43E-02	1.13E-02	5.12E-03
451	570429	4215449	7.34E-02	1.12E-02	5.06E-03
452	570428.8	4215458	7.24E-02	1.11E-02	4.99E-03
453	570421.9	4215474	7.21E-02	1.10E-02	4.97E-03
454	570415.2	4215481	7.29E-02	1.11E-02	5.03E-03
455	570408.5	4215488	7.34E-02	1.12E-02	5.06E-03
456	570401.8	4215495	7.36E-02	1.12E-02	5.07E-03
457	570395.1	4215502	7.33E-02	1.12E-02	5.05E-03
458	570388.4	4215508	7.27E-02	1.11E-02	5.01E-03
459	570381.7	4215515	7.16E-02	1.09E-02	4.93E-03
460	570375	4215522	7.00E-02	1.07E-02	4.82E-03
461	570368.3	4215529	6.81E-02	1.04E-02	4.69E-03
462	570361.6	4215536	6.60E-02	1.01E-02	4.55E-03

463	570354.9	4215542	6.36E-02	9.71E-03	4.38E-03
464	570348.2	4215549	6.09E-02	9.29E-03	4.19E-03
465	570341.5	4215556	5.80E-02	8.85E-03	4.00E-03
466	570334.8	4215563	5.49E-02	8.39E-03	3.79E-03
467	570328.1	4215570	5.18E-02	7.90E-03	3.57E-03
468	570321.4	4215576	4.85E-02	7.41E-03	3.34E-03
469	570439.7	4215387	7.40E-02	1.13E-02	5.10E-03
470	570439.5	4215396	7.39E-02	1.13E-02	5.09E-03
471	570439.3	4215406	7.37E-02	1.13E-02	5.08E-03
472	570439.1	4215415	7.32E-02	1.12E-02	5.04E-03
473	570438.4	4215443	7.09E-02	1.08E-02	4.89E-03
474	570438.2	4215453	7.01E-02	1.07E-02	4.83E-03
475	570438	4215462	6.92E-02	1.06E-02	4.77E-03
476	570431.2	4215478	6.87E-02	1.05E-02	4.74E-03
477	570424.6	4215485	6.94E-02	1.06E-02	4.78E-03
478	570417.9	4215492	7.00E-02	1.07E-02	4.82E-03
479	570411.3	4215498	7.02E-02	1.07E-02	4.84E-03
480	570404.7	4215505	7.00E-02	1.07E-02	4.83E-03
481	570398.1	4215512	6.95E-02	1.06E-02	4.79E-03
482	570391.5	4215519	6.87E-02	1.05E-02	4.73E-03
483	570384.9	4215525	6.75E-02	1.03E-02	4.65E-03
484	570378.2	4215532	6.58E-02	1.00E-02	4.53E-03
485	570371.6	4215539	6.39E-02	9.75E-03	4.40E-03
486	570365	4215545	6.17E-02	9.43E-03	4.25E-03
487	570358.4	4215552	5.94E-02	9.07E-03	4.09E-03
488	570351.8	4215559	5.69E-02	8.68E-03	3.92E-03
489	570345.2	4215566	5.41E-02	8.26E-03	3.73E-03
490	570338.6	4215572	5.12E-02	7.81E-03	3.53E-03
491	570331.9	4215579	4.82E-02	7.36E-03	3.32E-03
492	570325.3	4215586	4.35E-02	6.65E-03	3.00E-03
493	570449.2	4215377	7.09E-02	1.08E-02	4.88E-03
494	570449	4215387	7.09E-02	1.08E-02	4.89E-03
495	570448.8	4215397	7.08E-02	1.08E-02	4.88E-03
496	570448.5	4215407	7.05E-02	1.08E-02	4.86E-03
497	570448.3	4215416	7.00E-02	1.07E-02	4.83E-03
498	570447.7	4215446	6.79E-02	1.04E-02	4.68E-03
499	570447.4	4215456	6.70E-02	1.02E-02	4.62E-03
500	570447.2	4215466	6.61E-02	1.01E-02	4.55E-03
501	570440.1	4215482	6.55E-02	1.00E-02	4.51E-03
502	570433.2	4215489	6.61E-02	1.01E-02	4.56E-03
503	570426.3	4215496	6.66E-02	1.02E-02	4.59E-03
504	570419.4	4215503	6.69E-02	1.02E-02	4.61E-03
505	570412.5	4215510	6.69E-02	1.02E-02	4.61E-03
506	570405.6	4215517	6.63E-02	1.01E-02	4.57E-03
507	570398.7	4215524	6.55E-02	1.00E-02	4.51E-03
508	570391.8	4215531	6.42E-02	9.81E-03	4.43E-03
509	570384.9	4215538	6.27E-02	9.57E-03	4.32E-03
510	570378	4215546	6.07E-02	9.28E-03	4.19E-03
511	570371.1	4215553	5.86E-02	8.95E-03	4.04E-03
512	570364.2	4215560	5.63E-02	8.60E-03	3.88E-03
513	570357.3	4215567	5.38E-02	8.21E-03	3.70E-03
514	570350.4	4215574	5.10E-02	7.79E-03	3.52E-03

515	570343.5	4215581	4.82E-02	7.36E-03	3.32E-03
516	570336.5	4215588	4.53E-02	6.91E-03	3.12E-03
517	570329.6	4215595	4.24E-02	6.47E-03	2.92E-03
518	570458.6	4215373	6.82E-02	1.04E-02	4.70E-03
519	570458.4	4215382	6.81E-02	1.04E-02	4.69E-03
520	570458.2	4215392	6.79E-02	1.04E-02	4.68E-03
521	570458	4215402	6.76E-02	1.03E-02	4.66E-03
522	570457.7	4215411	6.72E-02	1.03E-02	4.63E-03
523	570457.1	4215441	6.55E-02	1.00E-02	4.51E-03
524	570456.9	4215450	6.47E-02	9.89E-03	4.46E-03
525	570456.6	4215460	6.39E-02	9.75E-03	4.40E-03
526	570456.4	4215470	6.28E-02	9.59E-03	4.33E-03
527	570449.4	4215486	6.23E-02	9.51E-03	4.29E-03
528	570442.6	4215493	6.30E-02	9.61E-03	4.34E-03
529	570435.8	4215500	6.34E-02	9.68E-03	4.37E-03
530	570429	4215507	6.37E-02	9.72E-03	4.39E-03
531	570422.1	4215514	6.37E-02	9.73E-03	4.39E-03
532	570415.3	4215521	6.35E-02	9.70E-03	4.38E-03
533	570408.5	4215528	6.29E-02	9.60E-03	4.33E-03
534	570401.7	4215535	6.18E-02	9.43E-03	4.26E-03
535	570394.9	4215542	6.04E-02	9.23E-03	4.16E-03
536	570388.1	4215548	5.88E-02	8.98E-03	4.05E-03
537	570381.3	4215555	5.70E-02	8.70E-03	3.92E-03
538	570374.5	4215562	5.49E-02	8.38E-03	3.78E-03
539	570367.6	4215569	5.26E-02	8.03E-03	3.62E-03
540	570360.8	4215576	5.02E-02	7.66E-03	3.46E-03
541	570354	4215583	4.76E-02	7.27E-03	3.28E-03
542	570347.2	4215590	4.50E-02	6.87E-03	3.10E-03
543	570340.4	4215597	4.23E-02	6.46E-03	2.92E-03
544	570333.6	4215604	3.97E-02	6.06E-03	2.73E-03
545	570468	4215368	6.57E-02	1.00E-02	4.53E-03
546	570467.8	4215378	6.55E-02	1.00E-02	4.52E-03
547	570467.6	4215387	6.53E-02	9.97E-03	4.50E-03
548	570467.4	4215397	6.49E-02	9.91E-03	4.47E-03
549	570467.1	4215407	6.44E-02	9.84E-03	4.44E-03
550	570466.9	4215416	6.41E-02	9.79E-03	4.42E-03
551	570466.3	4215445	6.25E-02	9.55E-03	4.31E-03
552	570466.1	4215454	6.18E-02	9.43E-03	4.26E-03
553	570465.8	4215464	6.09E-02	9.30E-03	4.20E-03
554	570465.6	4215474	5.98E-02	9.13E-03	4.12E-03
555	570458.7	4215490	5.93E-02	9.05E-03	4.08E-03
556	570452	4215497	5.99E-02	9.14E-03	4.12E-03
557	570445.2	4215504	6.03E-02	9.21E-03	4.16E-03
558	570438.5	4215511	6.06E-02	9.26E-03	4.18E-03
559	570431.8	4215517	6.07E-02	9.27E-03	4.18E-03
560	570425	4215524	6.06E-02	9.25E-03	4.18E-03
561	570418.3	4215531	6.02E-02	9.19E-03	4.15E-03
562	570411.6	4215538	5.95E-02	9.08E-03	4.10E-03
563	570404.8	4215545	5.83E-02	8.90E-03	4.02E-03
564	570398.1	4215552	5.69E-02	8.69E-03	3.92E-03
565	570391.4	4215558	5.52E-02	8.43E-03	3.81E-03
566	570384.7	4215565	5.34E-02	8.15E-03	3.68E-03

567	570377.9	4215572	5.13E-02	7.84E-03	3.54E-03
568	570371.2	4215579	4.92E-02	7.51E-03	3.39E-03
569	570364.5	4215586	4.69E-02	7.17E-03	3.23E-03
570	570357.7	4215593	4.45E-02	6.80E-03	3.07E-03
571	570351	4215599	4.21E-02	6.43E-03	2.90E-03
572	570344.3	4215606	3.96E-02	6.05E-03	2.73E-03
573	570337.5	4215613	3.72E-02	5.69E-03	2.57E-03
574	570477.4	4215364	6.32E-02	9.66E-03	4.36E-03
575	570477.2	4215373	6.32E-02	9.65E-03	4.35E-03
576	570477	4215383	6.29E-02	9.61E-03	4.34E-03
577	570476.8	4215392	6.26E-02	9.55E-03	4.31E-03
578	570476.5	4215402	6.21E-02	9.48E-03	4.28E-03
579	570476.3	4215411	6.17E-02	9.42E-03	4.25E-03
580	570475.7	4215440	6.05E-02	9.23E-03	4.17E-03
581	570475.5	4215449	5.98E-02	9.13E-03	4.12E-03
582	570475.3	4215459	5.90E-02	9.01E-03	4.06E-03
583	570475	4215468	5.81E-02	8.87E-03	4.00E-03
584	570474.8	4215478	5.70E-02	8.70E-03	3.93E-03
585	570468	4215494	5.64E-02	8.61E-03	3.89E-03
586	570461.3	4215501	5.69E-02	8.69E-03	3.92E-03
587	570454.7	4215507	5.73E-02	8.75E-03	3.95E-03
588	570448	4215514	5.77E-02	8.81E-03	3.97E-03
589	570441.3	4215521	5.79E-02	8.84E-03	3.99E-03
590	570434.7	4215528	5.78E-02	8.82E-03	3.98E-03
591	570428	4215534	5.75E-02	8.77E-03	3.96E-03
592	570421.4	4215541	5.69E-02	8.69E-03	3.92E-03
593	570414.7	4215548	5.62E-02	8.58E-03	3.87E-03
594	570408.1	4215555	5.50E-02	8.40E-03	3.79E-03
595	570401.4	4215561	5.35E-02	8.17E-03	3.69E-03
596	570394.7	4215568	5.18E-02	7.91E-03	3.57E-03
597	570388.1	4215575	5.00E-02	7.64E-03	3.45E-03
598	570381.4	4215582	4.81E-02	7.34E-03	3.31E-03
599	570374.8	4215588	4.61E-02	7.03E-03	3.17E-03
600	570368.1	4215595	4.39E-02	6.70E-03	3.03E-03
601	570361.5	4215602	4.17E-02	6.37E-03	2.87E-03
602	570354.8	4215609	3.95E-02	6.03E-03	2.72E-03
603	570348.2	4215615	3.72E-02	5.68E-03	2.56E-03
604	570341.5	4215622	3.50E-02	5.35E-03	2.41E-03
605	570486.7	4215363	6.08E-02	9.29E-03	4.19E-03
606	570486.5	4215373	6.08E-02	9.28E-03	4.19E-03
607	570486.3	4215383	6.06E-02	9.25E-03	4.18E-03
608	570486	4215393	6.03E-02	9.21E-03	4.16E-03
609	570485.8	4215403	5.99E-02	9.14E-03	4.13E-03
610	570485.6	4215412	5.95E-02	9.09E-03	4.10E-03
611	570484.9	4215442	5.81E-02	8.87E-03	4.00E-03
612	570484.7	4215452	5.74E-02	8.77E-03	3.96E-03
613	570484.5	4215462	5.66E-02	8.65E-03	3.90E-03
614	570484.3	4215471	5.57E-02	8.50E-03	3.84E-03
615	570484.1	4215481	5.46E-02	8.34E-03	3.76E-03
616	570476.9	4215498	5.38E-02	8.22E-03	3.71E-03
617	570470	4215505	5.42E-02	8.27E-03	3.73E-03
618	570463.1	4215512	5.46E-02	8.33E-03	3.76E-03

619	570456.2	4215519	5.49E-02	8.38E-03	3.78E-03
620	570449.3	4215526	5.51E-02	8.41E-03	3.79E-03
621	570442.4	4215533	5.50E-02	8.41E-03	3.79E-03
622	570435.5	4215540	5.47E-02	8.36E-03	3.77E-03
623	570428.6	4215547	5.42E-02	8.28E-03	3.74E-03
624	570421.7	4215554	5.35E-02	8.17E-03	3.69E-03
625	570414.8	4215561	5.25E-02	8.01E-03	3.62E-03
626	570407.9	4215568	5.10E-02	7.79E-03	3.51E-03
627	570401	4215575	4.94E-02	7.54E-03	3.40E-03
628	570394.1	4215582	4.76E-02	7.27E-03	3.28E-03
629	570387.2	4215589	4.57E-02	6.98E-03	3.15E-03
630	570380.3	4215596	4.37E-02	6.67E-03	3.01E-03
631	570373.4	4215603	4.16E-02	6.35E-03	2.87E-03
632	570366.5	4215610	3.95E-02	6.03E-03	2.72E-03
633	570359.6	4215617	3.73E-02	5.70E-03	2.57E-03
634	570352.7	4215624	3.52E-02	5.37E-03	2.42E-03
635	570345.8	4215631	3.31E-02	5.05E-03	2.28E-03
636	570496.1	4215359	5.86E-02	8.94E-03	4.04E-03
637	570495.9	4215369	5.86E-02	8.95E-03	4.04E-03
638	570495.7	4215378	5.85E-02	8.93E-03	4.03E-03
639	570495.5	4215388	5.83E-02	8.90E-03	4.02E-03
640	570495.2	4215398	5.80E-02	8.86E-03	4.00E-03
641	570495	4215407	5.77E-02	8.80E-03	3.97E-03
642	570494.8	4215417	5.73E-02	8.75E-03	3.95E-03
643	570494.1	4215446	5.57E-02	8.51E-03	3.84E-03
644	570493.9	4215456	5.50E-02	8.40E-03	3.79E-03
645	570493.7	4215466	5.43E-02	8.29E-03	3.74E-03
646	570493.5	4215475	5.33E-02	8.14E-03	3.67E-03
647	570493.3	4215485	5.23E-02	7.98E-03	3.60E-03
648	570486.2	4215502	5.15E-02	7.87E-03	3.55E-03
649	570479.4	4215509	5.18E-02	7.90E-03	3.57E-03
650	570472.6	4215516	5.19E-02	7.92E-03	3.58E-03
651	570465.7	4215523	5.21E-02	7.96E-03	3.59E-03
652	570458.9	4215530	5.23E-02	7.99E-03	3.60E-03
653	570452.1	4215536	5.23E-02	7.99E-03	3.61E-03
654	570445.3	4215543	5.22E-02	7.97E-03	3.60E-03
655	570438.4	4215550	5.18E-02	7.92E-03	3.57E-03
656	570431.6	4215557	5.12E-02	7.82E-03	3.53E-03
657	570424.8	4215564	5.04E-02	7.69E-03	3.47E-03
658	570418	4215571	4.93E-02	7.53E-03	3.40E-03
659	570411.1	4215578	4.79E-02	7.32E-03	3.30E-03
660	570404.3	4215585	4.64E-02	7.08E-03	3.20E-03
661	570397.5	4215592	4.47E-02	6.82E-03	3.08E-03
662	570390.7	4215599	4.29E-02	6.54E-03	2.95E-03
663	570383.9	4215606	4.10E-02	6.26E-03	2.82E-03
664	570377	4215613	3.90E-02	5.96E-03	2.69E-03
665	570370.2	4215620	3.70E-02	5.65E-03	2.55E-03
666	570363.4	4215627	3.50E-02	5.35E-03	2.41E-03
667	570356.6	4215633	3.30E-02	5.04E-03	2.28E-03
668	570349.7	4215640	3.11E-02	4.75E-03	2.14E-03
669	570505.5	4215355	5.64E-02	8.61E-03	3.89E-03
670	570505.3	4215364	5.65E-02	8.62E-03	3.89E-03

671	570505.1	4215374	5.65E-02	8.62E-03	3.89E-03
672	570504.9	4215383	5.64E-02	8.61E-03	3.88E-03
673	570504.6	4215393	5.62E-02	8.58E-03	3.87E-03
674	570504.4	4215403	5.59E-02	8.54E-03	3.85E-03
675	570504.2	4215412	5.56E-02	8.48E-03	3.83E-03
676	570503.6	4215441	5.41E-02	8.25E-03	3.72E-03
677	570503.3	4215451	5.35E-02	8.16E-03	3.68E-03
678	570503.1	4215460	5.28E-02	8.06E-03	3.64E-03
679	570502.9	4215470	5.20E-02	7.94E-03	3.58E-03
680	570502.7	4215480	5.11E-02	7.80E-03	3.52E-03
681	570502.5	4215489	5.01E-02	7.65E-03	3.45E-03
682	570495.5	4215506	4.94E-02	7.54E-03	3.40E-03
683	570488.7	4215513	4.96E-02	7.57E-03	3.42E-03
684	570482	4215519	4.97E-02	7.59E-03	3.42E-03
685	570475.2	4215526	4.97E-02	7.58E-03	3.42E-03
686	570468.5	4215533	4.97E-02	7.59E-03	3.43E-03
687	570461.7	4215540	4.98E-02	7.60E-03	3.43E-03
688	570455	4215547	4.97E-02	7.59E-03	3.42E-03
689	570448.2	4215554	4.95E-02	7.56E-03	3.41E-03
690	570441.5	4215561	4.90E-02	7.49E-03	3.38E-03
691	570434.7	4215567	4.83E-02	7.38E-03	3.33E-03
692	570428	4215574	4.74E-02	7.24E-03	3.27E-03
693	570421.2	4215581	4.63E-02	7.07E-03	3.19E-03
694	570414.5	4215588	4.51E-02	6.88E-03	3.11E-03
695	570407.7	4215595	4.35E-02	6.65E-03	3.00E-03
696	570401	4215602	4.19E-02	6.40E-03	2.89E-03
697	570394.2	4215608	4.02E-02	6.14E-03	2.77E-03
698	570387.5	4215615	3.85E-02	5.87E-03	2.65E-03
699	570380.7	4215622	3.66E-02	5.59E-03	2.52E-03
700	570373.9	4215629	3.47E-02	5.31E-03	2.39E-03
701	570367.2	4215636	3.29E-02	5.02E-03	2.27E-03
702	570360.4	4215643	3.11E-02	4.74E-03	2.14E-03
703	570353.7	4215650	2.93E-02	4.47E-03	2.02E-03
704	570514.9	4215350	5.43E-02	8.30E-03	3.74E-03
705	570514.7	4215360	5.44E-02	8.31E-03	3.75E-03
706	570514.5	4215369	5.45E-02	8.32E-03	3.75E-03
707	570514.3	4215379	5.44E-02	8.31E-03	3.75E-03
708	570514	4215388	5.43E-02	8.29E-03	3.74E-03
709	570513.8	4215398	5.41E-02	8.27E-03	3.73E-03
710	570513.6	4215407	5.39E-02	8.22E-03	3.71E-03
711	570513.4	4215417	5.35E-02	8.17E-03	3.69E-03
712	570512.7	4215446	5.21E-02	7.95E-03	3.59E-03
713	570512.5	4215455	5.15E-02	7.86E-03	3.55E-03
714	570512.3	4215465	5.08E-02	7.76E-03	3.50E-03
715	570512.1	4215474	5.01E-02	7.64E-03	3.45E-03
716	570511.9	4215484	4.92E-02	7.52E-03	3.39E-03
717	570511.7	4215493	4.83E-02	7.38E-03	3.33E-03
718	570504.8	4215510	4.74E-02	7.24E-03	3.27E-03
719	570498.1	4215516	4.76E-02	7.26E-03	3.28E-03
720	570491.4	4215523	4.77E-02	7.28E-03	3.28E-03
721	570484.7	4215530	4.77E-02	7.28E-03	3.28E-03
722	570478	4215537	4.75E-02	7.26E-03	3.28E-03

723	570471.3	4215543	4.74E-02	7.23E-03	3.26E-03
724	570464.7	4215550	4.73E-02	7.22E-03	3.26E-03
725	570458	4215557	4.71E-02	7.20E-03	3.25E-03
726	570451.3	4215564	4.68E-02	7.15E-03	3.23E-03
727	570444.6	4215571	4.63E-02	7.07E-03	3.19E-03
728	570437.9	4215577	4.56E-02	6.96E-03	3.14E-03
729	570431.2	4215584	4.46E-02	6.82E-03	3.08E-03
730	570424.5	4215591	4.35E-02	6.65E-03	3.00E-03
731	570417.8	4215598	4.23E-02	6.46E-03	2.91E-03
732	570411.2	4215605	4.09E-02	6.24E-03	2.82E-03
733	570404.5	4215611	3.94E-02	6.01E-03	2.71E-03
734	570397.8	4215618	3.78E-02	5.77E-03	2.60E-03
735	570391.1	4215625	3.61E-02	5.51E-03	2.49E-03
736	570384.4	4215632	3.44E-02	5.25E-03	2.37E-03
737	570377.7	4215638	3.27E-02	4.99E-03	2.25E-03
738	570371	4215645	3.09E-02	4.72E-03	2.13E-03
739	570364.3	4215652	2.92E-02	4.46E-03	2.01E-03
740	570357.7	4215659	2.76E-02	4.21E-03	1.90E-03
741	569937.1	4214980	1.94E-02	2.97E-03	1.34E-03
742	569941.8	4214988	2.08E-02	3.18E-03	1.44E-03
743	569895.6	4214925	1.41E-02	2.15E-03	9.69E-04
744	569900.3	4214934	1.45E-02	2.22E-03	1.00E-03
745	569905	4214942	1.51E-02	2.31E-03	1.04E-03
746	569909.6	4214951	1.58E-02	2.41E-03	1.09E-03
747	569914.3	4214959	1.66E-02	2.54E-03	1.15E-03
748	569919	4214968	1.77E-02	2.70E-03	1.22E-03
749	569923.7	4214976	1.88E-02	2.87E-03	1.30E-03
750	569928.3	4214985	2.01E-02	3.07E-03	1.38E-03
751	569933	4214993	2.16E-02	3.29E-03	1.49E-03
752	569877.5	4214913	1.35E-02	2.06E-03	9.32E-04
753	569882.2	4214922	1.39E-02	2.12E-03	9.58E-04
754	569886.9	4214930	1.43E-02	2.19E-03	9.88E-04
755	569891.5	4214939	1.49E-02	2.27E-03	1.02E-03
756	569896.2	4214947	1.55E-02	2.36E-03	1.07E-03
757	569900.9	4214956	1.62E-02	2.48E-03	1.12E-03
758	569905.5	4214964	1.72E-02	2.62E-03	1.18E-03
759	569910.2	4214973	1.82E-02	2.78E-03	1.26E-03
760	569914.9	4214981	1.94E-02	2.96E-03	1.34E-03
761	569919.6	4214990	2.08E-02	3.17E-03	1.43E-03
762	569924.2	4214998	2.24E-02	3.42E-03	1.54E-03
763	569928.9	4215007	2.42E-02	3.69E-03	1.67E-03
764	569868.7	4214918	1.38E-02	2.11E-03	9.50E-04
765	569873.4	4214926	1.42E-02	2.17E-03	9.78E-04
766	569878.1	4214935	1.46E-02	2.24E-03	1.01E-03
767	569882.8	4214943	1.52E-02	2.32E-03	1.05E-03
768	569887.4	4214952	1.59E-02	2.42E-03	1.09E-03
769	569892.1	4214960	1.67E-02	2.55E-03	1.15E-03
770	569896.8	4214969	1.77E-02	2.71E-03	1.22E-03
771	569901.5	4214977	1.88E-02	2.88E-03	1.30E-03
772	569906.1	4214986	2.01E-02	3.07E-03	1.38E-03
773	569910.8	4214994	2.16E-02	3.29E-03	1.49E-03
774	569915.5	4215003	2.33E-02	3.55E-03	1.60E-03

775	569920.2	4215011	2.52E-02	3.85E-03	1.74E-03
776	569860	4214923	1.41E-02	2.15E-03	9.71E-04
777	569864.7	4214931	1.45E-02	2.21E-03	9.98E-04
778	569869.3	4214940	1.50E-02	2.29E-03	1.03E-03
779	569874	4214948	1.56E-02	2.38E-03	1.07E-03
780	569878.7	4214957	1.63E-02	2.49E-03	1.12E-03
781	569883.3	4214965	1.73E-02	2.63E-03	1.19E-03
782	569888	4214974	1.83E-02	2.80E-03	1.26E-03
783	569892.7	4214982	1.95E-02	2.98E-03	1.34E-03
784	569897.4	4214991	2.08E-02	3.18E-03	1.44E-03
785	569902	4214999	2.24E-02	3.42E-03	1.54E-03
786	569906.7	4215008	2.42E-02	3.69E-03	1.67E-03
787	569911.4	4215016	2.62E-02	4.01E-03	1.81E-03
788	569851.2	4214927	1.44E-02	2.20E-03	9.93E-04
789	569855.9	4214936	1.48E-02	2.26E-03	1.02E-03
790	569860.6	4214944	1.53E-02	2.34E-03	1.06E-03
791	569865.2	4214953	1.60E-02	2.44E-03	1.10E-03
792	569869.9	4214961	1.68E-02	2.57E-03	1.16E-03
793	569874.6	4214970	1.78E-02	2.72E-03	1.23E-03
794	569879.3	4214978	1.89E-02	2.89E-03	1.30E-03
795	569883.9	4214987	2.01E-02	3.08E-03	1.39E-03
796	569888.6	4214996	2.16E-02	3.30E-03	1.49E-03
797	569893.3	4215004	2.33E-02	3.56E-03	1.61E-03
798	569898	4215013	2.52E-02	3.85E-03	1.74E-03
799	569902.6	4215021	2.73E-02	4.18E-03	1.88E-03
800	569842.5	4214932	1.47E-02	2.24E-03	1.01E-03
801	569847.1	4214941	1.51E-02	2.31E-03	1.04E-03
802	569851.8	4214949	1.57E-02	2.40E-03	1.08E-03
803	569856.5	4214958	1.64E-02	2.51E-03	1.13E-03
804	569861.1	4214966	1.74E-02	2.65E-03	1.20E-03
805	569865.8	4214975	1.84E-02	2.81E-03	1.27E-03
806	569870.5	4214983	1.96E-02	2.99E-03	1.35E-03
807	569875.2	4214992	2.09E-02	3.19E-03	1.44E-03
808	569879.8	4215000	2.25E-02	3.43E-03	1.55E-03
809	569884.5	4215009	2.42E-02	3.70E-03	1.67E-03
810	569889.2	4215017	2.62E-02	4.01E-03	1.81E-03
811	569893.9	4215026	2.85E-02	4.35E-03	1.96E-03
812	569833.7	4214937	1.50E-02	2.29E-03	1.03E-03
813	569838.4	4214946	1.55E-02	2.36E-03	1.07E-03
814	569843	4214954	1.61E-02	2.46E-03	1.11E-03
815	569847.7	4214963	1.69E-02	2.59E-03	1.17E-03
816	569852.4	4214971	1.79E-02	2.74E-03	1.23E-03
817	569857.1	4214980	1.90E-02	2.90E-03	1.31E-03
818	569861.7	4214988	2.02E-02	3.09E-03	1.39E-03
819	569866.4	4214997	2.17E-02	3.31E-03	1.49E-03
820	569871.1	4215005	2.33E-02	3.56E-03	1.61E-03
821	569875.8	4215014	2.52E-02	3.85E-03	1.74E-03
822	569880.4	4215022	2.73E-02	4.17E-03	1.88E-03
823	569885.1	4215031	2.97E-02	4.53E-03	2.05E-03
824	569941.2	4215133	1.79E-01	2.73E-02	1.23E-02
825	569945.9	4215141	1.99E-01	3.04E-02	1.37E-02
826	569950.6	4215150	2.19E-01	3.35E-02	1.51E-02

827	569824.9	4214942	1.53E-02	2.34E-03	1.06E-03
828	569829.6	4214950	1.59E-02	2.42E-03	1.09E-03
829	569834.3	4214959	1.66E-02	2.53E-03	1.14E-03
830	569838.9	4214967	1.75E-02	2.67E-03	1.20E-03
831	569843.6	4214976	1.85E-02	2.82E-03	1.27E-03
832	569848.3	4214984	1.96E-02	2.99E-03	1.35E-03
833	569853	4214993	2.09E-02	3.19E-03	1.44E-03
834	569857.6	4215001	2.25E-02	3.43E-03	1.55E-03
835	569862.3	4215010	2.42E-02	3.70E-03	1.67E-03
836	569867	4215018	2.62E-02	4.00E-03	1.80E-03
837	569871.7	4215027	2.83E-02	4.33E-03	1.95E-03
838	569876.3	4215035	3.08E-02	4.71E-03	2.12E-03
839	569927.8	4215129	1.54E-01	2.36E-02	1.06E-02
840	569932.4	4215137	1.72E-01	2.63E-02	1.19E-02
841	569937.1	4215146	1.89E-01	2.89E-02	1.31E-02
842	569941.8	4215154	2.07E-01	3.15E-02	1.42E-02
843	569816.2	4214947	1.57E-02	2.39E-03	1.08E-03
844	569820.8	4214955	1.63E-02	2.48E-03	1.12E-03
845	569825.5	4214964	1.71E-02	2.61E-03	1.18E-03
846	569830.2	4214972	1.80E-02	2.75E-03	1.24E-03
847	569834.9	4214981	1.90E-02	2.91E-03	1.31E-03
848	569839.5	4214989	2.02E-02	3.09E-03	1.39E-03
849	569844.2	4214998	2.16E-02	3.31E-03	1.49E-03
850	569848.9	4215006	2.33E-02	3.55E-03	1.60E-03
851	569853.6	4215015	2.51E-02	3.83E-03	1.73E-03
852	569858.2	4215023	2.71E-02	4.14E-03	1.87E-03
853	569862.9	4215032	2.94E-02	4.49E-03	2.02E-03
854	569914.3	4215125	1.28E-01	1.96E-02	8.84E-03
855	569919	4215134	1.51E-01	2.31E-02	1.04E-02
856	569923.7	4215142	1.65E-01	2.52E-02	1.14E-02
857	569928.4	4215151	1.80E-01	2.75E-02	1.24E-02
858	569933	4215159	1.95E-01	2.97E-02	1.34E-02
859	569802.7	4214943	1.56E-02	2.38E-03	1.07E-03
860	569807.4	4214952	1.61E-02	2.45E-03	1.11E-03
861	569812.1	4214960	1.67E-02	2.55E-03	1.15E-03
862	569816.7	4214969	1.76E-02	2.68E-03	1.21E-03
863	569821.4	4214977	1.85E-02	2.83E-03	1.28E-03
864	569826.1	4214986	1.96E-02	2.99E-03	1.35E-03
865	569830.8	4214994	2.09E-02	3.19E-03	1.44E-03
866	569835.4	4215003	2.24E-02	3.42E-03	1.54E-03
867	569840.1	4215011	2.41E-02	3.68E-03	1.66E-03
868	569844.8	4215020	2.60E-02	3.96E-03	1.79E-03
869	569849.5	4215028	2.80E-02	4.28E-03	1.93E-03
870	569854.1	4215037	3.04E-02	4.64E-03	2.09E-03
871	569905.6	4215130	1.27E-01	1.94E-02	8.75E-03
872	569910.2	4215139	1.47E-01	2.24E-02	1.01E-02
873	569914.9	4215147	1.58E-01	2.41E-02	1.09E-02
874	569919.6	4215156	1.71E-01	2.62E-02	1.18E-02
875	569924.3	4215164	1.84E-01	2.80E-02	1.27E-02
876	569792.9	4214939	1.54E-02	2.36E-03	1.06E-03
877	569794	4214948	1.59E-02	2.43E-03	1.10E-03
878	569798.6	4214956	1.65E-02	2.51E-03	1.13E-03

879	569803.3	4214965	1.72E-02	2.63E-03	1.19E-03
880	569808	4214973	1.81E-02	2.76E-03	1.24E-03
881	569812.7	4214982	1.90E-02	2.90E-03	1.31E-03
882	569817.3	4214990	2.02E-02	3.08E-03	1.39E-03
883	569822	4214999	2.16E-02	3.29E-03	1.49E-03
884	569826.7	4215007	2.31E-02	3.53E-03	1.59E-03
885	569831.4	4215016	2.48E-02	3.79E-03	1.71E-03
886	569836	4215024	2.68E-02	4.09E-03	1.84E-03
887	569840.7	4215033	2.89E-02	4.42E-03	1.99E-03
888	569896.8	4215135	1.26E-01	1.92E-02	8.66E-03
889	569901.5	4215143	1.42E-01	2.17E-02	9.78E-03
890	569906.2	4215152	1.51E-01	2.31E-02	1.04E-02
891	569910.8	4215160	1.63E-01	2.49E-02	1.12E-02
892	569915.5	4215169	1.73E-01	2.65E-02	1.19E-02
893	569784.2	4214944	1.58E-02	2.41E-03	1.09E-03
894	569783.1	4214935	1.54E-02	2.35E-03	1.06E-03
895	569789.9	4214961	1.69E-02	2.58E-03	1.17E-03
896	569794.5	4214970	1.77E-02	2.70E-03	1.22E-03
897	569799.2	4214978	1.86E-02	2.83E-03	1.28E-03
898	569803.9	4214987	1.96E-02	2.99E-03	1.35E-03
899	569808.6	4214995	2.08E-02	3.18E-03	1.43E-03
900	569813.2	4215004	2.22E-02	3.39E-03	1.53E-03
901	569817.9	4215012	2.38E-02	3.63E-03	1.64E-03
902	569822.6	4215021	2.56E-02	3.90E-03	1.76E-03
903	569827.3	4215029	2.75E-02	4.20E-03	1.90E-03
904	569831.9	4215038	2.97E-02	4.53E-03	2.05E-03
905	569888	4215140	1.23E-01	1.87E-02	8.45E-03
906	569892.7	4215148	1.37E-01	2.09E-02	9.41E-03
907	569897.4	4215157	1.44E-01	2.21E-02	9.96E-03
908	569902.1	4215165	1.55E-01	2.37E-02	1.07E-02
909	569906.7	4215174	1.63E-01	2.48E-02	1.12E-02
910	569775.3	4214948	1.61E-02	2.46E-03	1.11E-03
911	569774.2	4214939	1.56E-02	2.39E-03	1.08E-03
912	569773.1	4214929	1.53E-02	2.34E-03	1.05E-03
913	569776.4	4214958	1.67E-02	2.55E-03	1.15E-03
914	569781.1	4214966	1.74E-02	2.65E-03	1.20E-03
915	569785.8	4214975	1.81E-02	2.77E-03	1.25E-03
916	569790.5	4214983	1.91E-02	2.91E-03	1.31E-03
917	569795.1	4214992	2.01E-02	3.07E-03	1.39E-03
918	569799.8	4215000	2.14E-02	3.26E-03	1.47E-03
919	569804.5	4215009	2.28E-02	3.48E-03	1.57E-03
920	569809.2	4215017	2.44E-02	3.73E-03	1.68E-03
921	569813.8	4215026	2.62E-02	4.00E-03	1.81E-03
922	569818.5	4215034	2.82E-02	4.30E-03	1.94E-03
923	569823.2	4215043	3.04E-02	4.64E-03	2.09E-03
924	569879.3	4215145	1.18E-01	1.81E-02	8.16E-03
925	569884	4215153	1.31E-01	2.00E-02	9.01E-03
926	569888.6	4215162	1.38E-01	2.10E-02	9.48E-03
927	569893.3	4215170	1.46E-01	2.23E-02	1.01E-02
928	569898	4215179	1.52E-01	2.33E-02	1.05E-02
929	569766.6	4214953	1.65E-02	2.52E-03	1.14E-03
930	569765.5	4214944	1.60E-02	2.44E-03	1.10E-03

931	569764.4	4214934	1.56E-02	2.38E-03	1.08E-03
932	569763.3	4214925	1.53E-02	2.34E-03	1.06E-03
933	569777.2	4214821	9.11E-03	1.39E-03	6.28E-04
934	569782.9	4214813	8.71E-03	1.33E-03	6.00E-04
935	569767.7	4214962	1.71E-02	2.62E-03	1.18E-03
936	569772.3	4214971	1.78E-02	2.72E-03	1.23E-03
937	569777	4214979	1.86E-02	2.84E-03	1.28E-03
938	569781.7	4214988	1.95E-02	2.98E-03	1.35E-03
939	569786.4	4214996	2.06E-02	3.15E-03	1.42E-03
940	569791	4215005	2.19E-02	3.34E-03	1.51E-03
941	569795.7	4215013	2.33E-02	3.56E-03	1.61E-03
942	569800.4	4215022	2.49E-02	3.80E-03	1.72E-03
943	569805.1	4215030	2.67E-02	4.08E-03	1.84E-03
944	569809.7	4215039	2.87E-02	4.39E-03	1.98E-03
945	569814.4	4215047	3.10E-02	4.73E-03	2.13E-03
946	569819.1	4215056	3.34E-02	5.10E-03	2.30E-03
947	569870.5	4215149	1.12E-01	1.71E-02	7.72E-03
948	569875.2	4215158	1.24E-01	1.90E-02	8.58E-03
949	569879.9	4215166	1.34E-01	2.05E-02	9.24E-03
950	569884.5	4215175	1.37E-01	2.10E-02	9.47E-03
951	569889.2	4215183	1.43E-01	2.19E-02	9.86E-03
952	569757.8	4214958	1.69E-02	2.58E-03	1.16E-03
953	569756.7	4214949	1.64E-02	2.50E-03	1.13E-03
954	569755.7	4214940	1.59E-02	2.43E-03	1.10E-03
955	569754.6	4214930	1.56E-02	2.38E-03	1.08E-03
956	569753.5	4214921	1.54E-02	2.35E-03	1.06E-03
957	569750.4	4214841	9.99E-03	1.53E-03	6.89E-04
958	569756	4214833	9.57E-03	1.46E-03	6.60E-04
959	569767.2	4214818	8.89E-03	1.36E-03	6.12E-04
960	569772.8	4214811	8.54E-03	1.30E-03	5.88E-04
961	569784	4214796	7.98E-03	1.22E-03	5.50E-04
962	569758.9	4214967	1.76E-02	2.68E-03	1.21E-03
963	569763.6	4214976	1.83E-02	2.79E-03	1.26E-03
964	569768.3	4214984	1.91E-02	2.91E-03	1.31E-03
965	569772.9	4214993	2.01E-02	3.06E-03	1.38E-03
966	569777.6	4215001	2.12E-02	3.23E-03	1.46E-03
967	569782.3	4215010	2.24E-02	3.42E-03	1.54E-03
968	569787	4215018	2.38E-02	3.63E-03	1.64E-03
969	569791.6	4215027	2.54E-02	3.87E-03	1.75E-03
970	569796.3	4215035	2.72E-02	4.15E-03	1.87E-03
971	569801	4215044	2.92E-02	4.45E-03	2.01E-03
972	569805.7	4215052	3.13E-02	4.79E-03	2.16E-03
973	569810.3	4215061	3.37E-02	5.15E-03	2.32E-03
974	569861.8	4215154	1.03E-01	1.57E-02	7.11E-03
975	569866.4	4215163	1.16E-01	1.77E-02	7.99E-03
976	569871.1	4215171	1.26E-01	1.93E-02	8.70E-03
977	569875.8	4215180	1.33E-01	2.03E-02	9.18E-03
978	569880.5	4215188	1.35E-01	2.07E-02	9.34E-03
979	569749.1	4214963	1.73E-02	2.64E-03	1.19E-03
980	569748	4214954	1.67E-02	2.56E-03	1.15E-03
981	569746.9	4214945	1.63E-02	2.49E-03	1.12E-03
982	569745.9	4214936	1.59E-02	2.43E-03	1.10E-03

983	569744.8	4214927	1.56E-02	2.39E-03	1.08E-03
984	569743.7	4214918	1.54E-02	2.36E-03	1.06E-03
985	569736.2	4214854	1.09E-02	1.67E-03	7.52E-04
986	569740.7	4214838	9.83E-03	1.50E-03	6.77E-04
987	569746.2	4214831	9.42E-03	1.44E-03	6.49E-04
988	569757.3	4214816	8.70E-03	1.33E-03	6.00E-04
989	569768.3	4214802	8.13E-03	1.24E-03	5.60E-04
990	569779.4	4214787	7.68E-03	1.17E-03	5.29E-04
991	569750.1	4214972	1.80E-02	2.74E-03	1.24E-03
992	569754.8	4214980	1.87E-02	2.85E-03	1.29E-03
993	569759.5	4214989	1.95E-02	2.98E-03	1.35E-03
994	569764.2	4214997	2.05E-02	3.14E-03	1.42E-03
995	569768.8	4215006	2.16E-02	3.31E-03	1.49E-03
996	569773.5	4215014	2.29E-02	3.49E-03	1.58E-03
997	569778.2	4215023	2.43E-02	3.70E-03	1.67E-03
998	569782.9	4215031	2.58E-02	3.94E-03	1.78E-03
999	569787.5	4215040	2.75E-02	4.21E-03	1.90E-03
1000	569792.2	4215048	2.95E-02	4.50E-03	2.03E-03
1001	569796.9	4215057	3.16E-02	4.83E-03	2.18E-03
1002	569801.6	4215066	3.40E-02	5.19E-03	2.34E-03
1003	569806.2	4215074	3.65E-02	5.57E-03	2.51E-03
1004	569853	4215159	9.43E-02	1.44E-02	6.50E-03
1005	569857.7	4215168	1.07E-01	1.63E-02	7.36E-03
1006	569862.3	4215176	1.18E-01	1.80E-02	8.13E-03
1007	569867	4215185	1.26E-01	1.92E-02	8.68E-03
1008	569871.7	4215193	1.29E-01	1.97E-02	8.89E-03
1009	569740.2	4214967	1.77E-02	2.70E-03	1.22E-03
1010	569739.1	4214958	1.71E-02	2.61E-03	1.18E-03
1011	569738	4214948	1.66E-02	2.53E-03	1.14E-03
1012	569736.8	4214938	1.62E-02	2.47E-03	1.11E-03
1013	569735.7	4214929	1.58E-02	2.42E-03	1.09E-03
1014	569734.6	4214919	1.55E-02	2.37E-03	1.07E-03
1015	569727.8	4214862	1.14E-02	1.74E-03	7.87E-04
1016	569726.6	4214852	1.07E-02	1.64E-03	7.39E-04
1017	569731.4	4214835	9.66E-03	1.48E-03	6.66E-04
1018	569737.2	4214827	9.26E-03	1.41E-03	6.38E-04
1019	569743.1	4214820	8.87E-03	1.36E-03	6.12E-04
1020	569748.9	4214812	8.50E-03	1.30E-03	5.86E-04
1021	569754.8	4214804	8.18E-03	1.25E-03	5.64E-04
1022	569760.6	4214797	7.96E-03	1.22E-03	5.49E-04
1023	569766.5	4214789	7.74E-03	1.18E-03	5.33E-04
1024	569772.3	4214781	7.51E-03	1.15E-03	5.17E-04
1025	569741.4	4214977	1.84E-02	2.81E-03	1.27E-03
1026	569746.1	4214985	1.91E-02	2.91E-03	1.32E-03
1027	569750.7	4214994	2.00E-02	3.05E-03	1.38E-03
1028	569755.4	4215002	2.10E-02	3.21E-03	1.45E-03
1029	569760.1	4215011	2.21E-02	3.38E-03	1.52E-03
1030	569764.8	4215019	2.33E-02	3.57E-03	1.61E-03
1031	569769.4	4215028	2.47E-02	3.78E-03	1.70E-03
1032	569774.1	4215036	2.63E-02	4.01E-03	1.81E-03
1033	569778.8	4215045	2.79E-02	4.26E-03	1.92E-03
1034	569783.5	4215053	2.98E-02	4.55E-03	2.05E-03

1035	569788.1	4215062	3.19E-02	4.87E-03	2.20E-03
1036	569792.8	4215070	3.41E-02	5.21E-03	2.35E-03
1037	569797.5	4215079	3.65E-02	5.58E-03	2.52E-03
1038	569844.2	4215164	8.60E-02	1.31E-02	5.92E-03
1039	569848.9	4215172	9.94E-02	1.52E-02	6.85E-03
1040	569853.6	4215181	1.11E-01	1.70E-02	7.67E-03
1041	569858.3	4215189	1.20E-01	1.83E-02	8.25E-03
1042	569862.9	4215198	1.25E-01	1.90E-02	8.60E-03
1043	569731.5	4214972	1.81E-02	2.76E-03	1.25E-03
1044	569730.4	4214963	1.75E-02	2.67E-03	1.20E-03
1045	569729.3	4214953	1.70E-02	2.59E-03	1.17E-03
1046	569728.1	4214944	1.65E-02	2.52E-03	1.14E-03
1047	569727	4214934	1.62E-02	2.47E-03	1.11E-03
1048	569725.9	4214925	1.58E-02	2.42E-03	1.09E-03
1049	569724.8	4214916	1.54E-02	2.35E-03	1.06E-03
1050	569719.2	4214868	1.19E-02	1.82E-03	8.20E-04
1051	569718.1	4214859	1.12E-02	1.71E-03	7.72E-04
1052	569717	4214849	1.06E-02	1.62E-03	7.29E-04
1053	569721.6	4214832	9.56E-03	1.46E-03	6.59E-04
1054	569727.4	4214825	9.17E-03	1.40E-03	6.32E-04
1055	569733.2	4214817	8.81E-03	1.34E-03	6.07E-04
1056	569738.9	4214810	8.46E-03	1.29E-03	5.83E-04
1057	569744.7	4214802	8.17E-03	1.25E-03	5.63E-04
1058	569750.5	4214795	7.93E-03	1.21E-03	5.47E-04
1059	569756.2	4214787	7.70E-03	1.18E-03	5.31E-04
1060	569762	4214779	7.49E-03	1.14E-03	5.16E-04
1061	569767.8	4214772	7.33E-03	1.12E-03	5.05E-04
1062	569732.6	4214982	1.88E-02	2.87E-03	1.29E-03
1063	569737.3	4214990	1.95E-02	2.98E-03	1.35E-03
1064	569742	4214999	2.04E-02	3.12E-03	1.41E-03
1065	569746.6	4215007	2.14E-02	3.27E-03	1.48E-03
1066	569751.3	4215016	2.25E-02	3.44E-03	1.55E-03
1067	569756	4215024	2.38E-02	3.63E-03	1.64E-03
1068	569760.7	4215033	2.51E-02	3.84E-03	1.73E-03
1069	569765.3	4215041	2.66E-02	4.07E-03	1.83E-03
1070	569770	4215050	2.83E-02	4.32E-03	1.95E-03
1071	569774.7	4215058	3.01E-02	4.60E-03	2.07E-03
1072	569779.4	4215067	3.21E-02	4.90E-03	2.21E-03
1073	569784	4215075	3.42E-02	5.22E-03	2.36E-03
1074	569788.7	4215084	3.65E-02	5.57E-03	2.52E-03
1075	569793.4	4215092	3.90E-02	5.95E-03	2.68E-03
1076	569835.5	4215169	8.27E-02	1.26E-02	5.70E-03
1077	569840.1	4215177	9.49E-02	1.45E-02	6.54E-03
1078	569844.8	4215186	1.06E-01	1.63E-02	7.34E-03
1079	569849.5	4215194	1.15E-01	1.75E-02	7.91E-03
1080	569854.2	4215203	1.17E-01	1.79E-02	8.07E-03
1081	569722.8	4214977	1.85E-02	2.82E-03	1.27E-03
1082	569721.7	4214968	1.79E-02	2.73E-03	1.23E-03
1083	569720.5	4214958	1.73E-02	2.65E-03	1.20E-03
1084	569719.4	4214949	1.69E-02	2.58E-03	1.16E-03
1085	569718.3	4214940	1.65E-02	2.52E-03	1.13E-03
1086	569717.2	4214931	1.61E-02	2.46E-03	1.11E-03

1087	569716.1	4214921	1.57E-02	2.40E-03	1.08E-03
1088	569715	4214912	1.52E-02	2.32E-03	1.05E-03
1089	569711.7	4214884	1.32E-02	2.01E-03	9.07E-04
1090	569710.6	4214875	1.24E-02	1.89E-03	8.54E-04
1091	569709.5	4214865	1.17E-02	1.79E-03	8.07E-04
1092	569708.4	4214856	1.11E-02	1.69E-03	7.62E-04
1093	569707.3	4214847	1.05E-02	1.60E-03	7.22E-04
1094	569711.9	4214830	9.55E-03	1.46E-03	6.58E-04
1095	569717.6	4214822	9.14E-03	1.40E-03	6.30E-04
1096	569723.3	4214815	8.75E-03	1.34E-03	6.03E-04
1097	569729	4214807	8.41E-03	1.28E-03	5.80E-04
1098	569734.7	4214800	8.18E-03	1.25E-03	5.64E-04
1099	569740.4	4214793	7.96E-03	1.22E-03	5.49E-04
1100	569746.1	4214785	7.73E-03	1.18E-03	5.33E-04
1101	569751.8	4214778	7.50E-03	1.14E-03	5.17E-04
1102	569757.4	4214770	7.36E-03	1.12E-03	5.07E-04
1103	569763.1	4214763	7.25E-03	1.11E-03	5.00E-04
1104	569723.9	4214986	1.92E-02	2.92E-03	1.32E-03
1105	569728.5	4214995	2.00E-02	3.05E-03	1.38E-03
1106	569733.2	4215003	2.09E-02	3.18E-03	1.44E-03
1107	569737.9	4215012	2.18E-02	3.34E-03	1.51E-03
1108	569742.6	4215020	2.30E-02	3.51E-03	1.58E-03
1109	569747.2	4215029	2.42E-02	3.69E-03	1.67E-03
1110	569751.9	4215037	2.55E-02	3.89E-03	1.76E-03
1111	569756.6	4215046	2.69E-02	4.11E-03	1.85E-03
1112	569761.3	4215054	2.86E-02	4.36E-03	1.97E-03
1113	569765.9	4215063	3.03E-02	4.63E-03	2.09E-03
1114	569770.6	4215071	3.22E-02	4.92E-03	2.22E-03
1115	569775.3	4215080	3.43E-02	5.23E-03	2.36E-03
1116	569780	4215088	3.64E-02	5.56E-03	2.51E-03
1117	569784.6	4215097	3.87E-02	5.91E-03	2.67E-03
1118	569789.3	4215105	4.11E-02	6.28E-03	2.83E-03
1119	569826.7	4215173	8.04E-02	1.23E-02	5.54E-03
1120	569831.4	4215182	9.16E-02	1.40E-02	6.31E-03
1121	569836.1	4215190	1.02E-01	1.56E-02	7.04E-03
1122	569840.7	4215199	1.09E-01	1.66E-02	7.50E-03
1123	569845.4	4215207	1.10E-01	1.68E-02	7.60E-03
1124	569714	4214982	1.88E-02	2.87E-03	1.30E-03
1125	569712.9	4214973	1.82E-02	2.78E-03	1.25E-03
1126	569711.8	4214964	1.77E-02	2.70E-03	1.22E-03
1127	569710.7	4214954	1.72E-02	2.63E-03	1.19E-03
1128	569709.6	4214945	1.68E-02	2.57E-03	1.16E-03
1129	569708.6	4214936	1.64E-02	2.51E-03	1.13E-03
1130	569707.5	4214927	1.61E-02	2.45E-03	1.11E-03
1131	569706.4	4214918	1.55E-02	2.36E-03	1.07E-03
1132	569705.3	4214908	1.49E-02	2.27E-03	1.03E-03
1133	569704.2	4214899	1.43E-02	2.19E-03	9.87E-04
1134	569703.1	4214890	1.36E-02	2.07E-03	9.36E-04
1135	569702	4214881	1.28E-02	1.96E-03	8.85E-04
1136	569700.9	4214872	1.22E-02	1.86E-03	8.38E-04
1137	569699.8	4214862	1.15E-02	1.76E-03	7.95E-04
1138	569698.7	4214853	1.09E-02	1.67E-03	7.54E-04

1139	569697.6	4214844	1.04E-02	1.59E-03	7.17E-04
1140	569702.2	4214827	9.54E-03	1.46E-03	6.58E-04
1141	569707.8	4214820	9.16E-03	1.40E-03	6.31E-04
1142	569713.4	4214813	8.78E-03	1.34E-03	6.05E-04
1143	569719.1	4214805	8.43E-03	1.29E-03	5.81E-04
1144	569730.3	4214790	8.01E-03	1.22E-03	5.52E-04
1145	569735.9	4214783	7.80E-03	1.19E-03	5.37E-04
1146	569741.6	4214776	7.58E-03	1.16E-03	5.23E-04
1147	569752.8	4214761	7.32E-03	1.12E-03	5.05E-04
1148	569715.1	4214991	1.95E-02	2.98E-03	1.35E-03
1149	569719.8	4215000	2.03E-02	3.11E-03	1.40E-03
1150	569724.4	4215008	2.12E-02	3.24E-03	1.46E-03
1151	569729.1	4215017	2.22E-02	3.40E-03	1.53E-03
1152	569733.8	4215025	2.33E-02	3.56E-03	1.61E-03
1153	569738.5	4215034	2.45E-02	3.75E-03	1.69E-03
1154	569743.1	4215042	2.58E-02	3.94E-03	1.78E-03
1155	569747.8	4215051	2.72E-02	4.16E-03	1.88E-03
1156	569752.5	4215059	2.88E-02	4.39E-03	1.98E-03
1157	569757.2	4215068	3.05E-02	4.65E-03	2.10E-03
1158	569761.8	4215076	3.23E-02	4.93E-03	2.23E-03
1159	569766.5	4215085	3.43E-02	5.23E-03	2.36E-03
1160	569771.2	4215093	3.63E-02	5.55E-03	2.50E-03
1161	569775.9	4215102	3.85E-02	5.88E-03	2.65E-03
1162	569780.5	4215110	4.07E-02	6.22E-03	2.81E-03
1163	569817.9	4215178	7.79E-02	1.19E-02	5.37E-03
1164	569822.6	4215187	8.83E-02	1.35E-02	6.08E-03
1165	569827.3	4215195	9.80E-02	1.50E-02	6.75E-03
1166	569832	4215204	1.01E-01	1.55E-02	6.98E-03
1167	569836.6	4215212	1.03E-01	1.57E-02	7.09E-03
1168	569705.3	4214987	1.91E-02	2.92E-03	1.32E-03
1169	569704.2	4214978	1.85E-02	2.83E-03	1.28E-03
1170	569703.1	4214969	1.80E-02	2.75E-03	1.24E-03
1171	569702	4214960	1.76E-02	2.69E-03	1.21E-03
1172	569700.9	4214951	1.72E-02	2.62E-03	1.18E-03
1173	569699.9	4214941	1.67E-02	2.55E-03	1.15E-03
1174	569698.8	4214932	1.63E-02	2.50E-03	1.13E-03
1175	569697.7	4214923	1.59E-02	2.43E-03	1.09E-03
1176	569696.6	4214914	1.52E-02	2.32E-03	1.05E-03
1177	569695.5	4214905	1.46E-02	2.22E-03	1.00E-03
1178	569694.5	4214896	1.39E-02	2.13E-03	9.60E-04
1179	569693.4	4214887	1.32E-02	2.02E-03	9.11E-04
1180	569692.3	4214878	1.26E-02	1.92E-03	8.66E-04
1181	569691.2	4214868	1.20E-02	1.83E-03	8.25E-04
1182	569690.1	4214859	1.14E-02	1.74E-03	7.86E-04
1183	569689.1	4214850	1.09E-02	1.66E-03	7.49E-04
1184	569688	4214841	1.04E-02	1.58E-03	7.15E-04
1185	569692.5	4214825	9.57E-03	1.46E-03	6.59E-04
1186	569703.6	4214810	8.83E-03	1.35E-03	6.08E-04
1187	569714.7	4214796	8.32E-03	1.27E-03	5.73E-04
1188	569725.9	4214781	7.89E-03	1.20E-03	5.44E-04
1189	569731.5	4214774	7.72E-03	1.18E-03	5.32E-04
1190	569742.6	4214759	7.50E-03	1.15E-03	5.17E-04

1191	569706.3	4214996	1.99E-02	3.04E-03	1.37E-03
1192	569711	4215005	2.07E-02	3.16E-03	1.43E-03
1193	569715.7	4215013	2.16E-02	3.29E-03	1.49E-03
1194	569720.4	4215022	2.26E-02	3.45E-03	1.56E-03
1195	569725	4215030	2.37E-02	3.62E-03	1.63E-03
1196	569729.7	4215039	2.48E-02	3.79E-03	1.71E-03
1197	569734.4	4215047	2.61E-02	3.98E-03	1.80E-03
1198	569739.1	4215056	2.75E-02	4.20E-03	1.90E-03
1199	569743.7	4215064	2.90E-02	4.43E-03	2.00E-03
1200	569748.4	4215073	3.06E-02	4.68E-03	2.11E-03
1201	569753.1	4215081	3.23E-02	4.94E-03	2.23E-03
1202	569757.8	4215090	3.42E-02	5.22E-03	2.36E-03
1203	569762.4	4215098	3.62E-02	5.53E-03	2.49E-03
1204	569767.1	4215107	3.82E-02	5.84E-03	2.64E-03
1205	569771.8	4215115	4.04E-02	6.18E-03	2.79E-03
1206	569809.2	4215183	7.61E-02	1.16E-02	5.24E-03
1207	569813.8	4215192	8.49E-02	1.30E-02	5.85E-03
1208	569818.5	4215200	9.15E-02	1.40E-02	6.31E-03
1209	569823.2	4215209	9.44E-02	1.44E-02	6.50E-03
1210	569827.9	4215217	9.63E-02	1.47E-02	6.63E-03
1211	569696.4	4214991	1.94E-02	2.97E-03	1.34E-03
1212	569695.3	4214982	1.88E-02	2.87E-03	1.29E-03
1213	569694.2	4214972	1.82E-02	2.79E-03	1.26E-03
1214	569693.1	4214963	1.78E-02	2.72E-03	1.23E-03
1215	569691.9	4214953	1.74E-02	2.66E-03	1.20E-03
1216	569690.8	4214944	1.69E-02	2.58E-03	1.16E-03
1217	569689.7	4214934	1.64E-02	2.51E-03	1.13E-03
1218	569688.5	4214925	1.59E-02	2.43E-03	1.10E-03
1219	569687.4	4214915	1.52E-02	2.32E-03	1.05E-03
1220	569686.3	4214906	1.45E-02	2.22E-03	1.00E-03
1221	569685.2	4214896	1.39E-02	2.12E-03	9.57E-04
1222	569684	4214887	1.32E-02	2.01E-03	9.09E-04
1223	569682.9	4214877	1.26E-02	1.92E-03	8.66E-04
1224	569681.8	4214868	1.20E-02	1.83E-03	8.25E-04
1225	569680.6	4214858	1.14E-02	1.74E-03	7.87E-04
1226	569679.5	4214848	1.09E-02	1.66E-03	7.51E-04
1227	569678.4	4214839	1.04E-02	1.59E-03	7.18E-04
1228	569683.1	4214822	9.64E-03	1.47E-03	6.64E-04
1229	569688.9	4214814	9.23E-03	1.41E-03	6.36E-04
1230	569694.7	4214807	8.84E-03	1.35E-03	6.09E-04
1231	569700.5	4214799	8.63E-03	1.32E-03	5.95E-04
1232	569706.4	4214791	8.42E-03	1.29E-03	5.80E-04
1233	569712.2	4214784	8.20E-03	1.25E-03	5.65E-04
1234	569718	4214776	7.98E-03	1.22E-03	5.50E-04
1235	569723.8	4214768	7.86E-03	1.20E-03	5.41E-04
1236	569697.6	4215001	2.02E-02	3.08E-03	1.39E-03
1237	569702.2	4215009	2.10E-02	3.20E-03	1.45E-03
1238	569706.9	4215018	2.19E-02	3.34E-03	1.51E-03
1239	569711.6	4215026	2.29E-02	3.50E-03	1.58E-03
1240	569716.3	4215035	2.40E-02	3.66E-03	1.65E-03
1241	569720.9	4215043	2.51E-02	3.83E-03	1.73E-03
1242	569725.6	4215052	2.64E-02	4.03E-03	1.82E-03

1243	569730.3	4215060	2.78E-02	4.24E-03	1.91E-03
1244	569735	4215069	2.92E-02	4.46E-03	2.01E-03
1245	569739.6	4215077	3.08E-02	4.70E-03	2.12E-03
1246	569744.3	4215086	3.24E-02	4.95E-03	2.24E-03
1247	569749	4215094	3.42E-02	5.22E-03	2.36E-03
1248	569753.7	4215103	3.60E-02	5.50E-03	2.48E-03
1249	569758.3	4215111	3.80E-02	5.80E-03	2.62E-03
1250	569763	4215120	4.02E-02	6.13E-03	2.77E-03
1251	569800.4	4215188	7.46E-02	1.14E-02	5.14E-03
1252	569805.1	4215196	8.25E-02	1.26E-02	5.68E-03
1253	569809.8	4215205	8.58E-02	1.31E-02	5.91E-03
1254	569814.4	4215213	8.87E-02	1.35E-02	6.11E-03
1255	569819.1	4215222	9.09E-02	1.39E-02	6.26E-03
1256	569687.7	4214996	1.98E-02	3.02E-03	1.36E-03
1257	569686.6	4214987	1.91E-02	2.92E-03	1.32E-03
1258	569685.5	4214977	1.85E-02	2.83E-03	1.28E-03
1259	569684.3	4214968	1.81E-02	2.76E-03	1.24E-03
1260	569683.2	4214959	1.76E-02	2.69E-03	1.22E-03
1261	569682.1	4214949	1.71E-02	2.62E-03	1.18E-03
1262	569681	4214940	1.66E-02	2.54E-03	1.14E-03
1263	569679.9	4214930	1.61E-02	2.46E-03	1.11E-03
1264	569678.8	4214921	1.55E-02	2.36E-03	1.07E-03
1265	569677.7	4214912	1.48E-02	2.26E-03	1.02E-03
1266	569676.5	4214902	1.42E-02	2.17E-03	9.79E-04
1267	569675.4	4214893	1.36E-02	2.07E-03	9.36E-04
1268	569674.3	4214883	1.30E-02	1.98E-03	8.94E-04
1269	569673.2	4214874	1.24E-02	1.89E-03	8.54E-04
1270	569672.1	4214864	1.19E-02	1.81E-03	8.18E-04
1271	569671	4214855	1.14E-02	1.73E-03	7.83E-04
1272	569669.8	4214846	1.09E-02	1.66E-03	7.51E-04
1273	569668.7	4214836	1.05E-02	1.60E-03	7.21E-04
1274	569673.4	4214819	9.76E-03	1.49E-03	6.73E-04
1275	569679.1	4214812	9.36E-03	1.43E-03	6.45E-04
1276	569684.9	4214804	9.02E-03	1.38E-03	6.21E-04
1277	569690.6	4214797	8.82E-03	1.35E-03	6.08E-04
1278	569696.4	4214789	8.63E-03	1.32E-03	5.94E-04
1279	569688.8	4215006	2.05E-02	3.13E-03	1.41E-03
1280	569693.5	4215014	2.13E-02	3.25E-03	1.46E-03
1281	569698.2	4215023	2.22E-02	3.38E-03	1.53E-03
1282	569702.8	4215031	2.32E-02	3.54E-03	1.60E-03
1283	569707.5	4215040	2.42E-02	3.69E-03	1.67E-03
1284	569712.2	4215048	2.53E-02	3.87E-03	1.74E-03
1285	569716.9	4215057	2.66E-02	4.06E-03	1.83E-03
1286	569721.5	4215065	2.79E-02	4.27E-03	1.93E-03
1287	569726.2	4215074	2.93E-02	4.48E-03	2.02E-03
1288	569730.9	4215082	3.09E-02	4.72E-03	2.13E-03
1289	569735.6	4215091	3.25E-02	4.97E-03	2.24E-03
1290	569740.2	4215099	3.42E-02	5.23E-03	2.36E-03
1291	569744.9	4215108	3.60E-02	5.50E-03	2.48E-03
1292	569749.6	4215116	3.79E-02	5.79E-03	2.61E-03
1293	569754.3	4215125	3.99E-02	6.09E-03	2.75E-03
1294	569787	4215184	6.56E-02	1.00E-02	4.52E-03

1295	569791.6	4215193	7.28E-02	1.11E-02	5.02E-03
1296	569796.3	4215201	7.79E-02	1.19E-02	5.37E-03
1297	569801	4215210	8.12E-02	1.24E-02	5.60E-03
1298	569805.7	4215218	8.41E-02	1.28E-02	5.79E-03
1299	569810.3	4215227	8.62E-02	1.32E-02	5.94E-03
1300	569678.9	4215001	2.00E-02	3.06E-03	1.38E-03
1301	569677.8	4214992	1.94E-02	2.97E-03	1.34E-03
1302	569676.7	4214983	1.89E-02	2.88E-03	1.30E-03
1303	569675.6	4214973	1.84E-02	2.80E-03	1.27E-03
1304	569674.5	4214964	1.79E-02	2.73E-03	1.23E-03
1305	569673.4	4214955	1.74E-02	2.66E-03	1.20E-03
1306	569672.3	4214945	1.69E-02	2.57E-03	1.16E-03
1307	569671.2	4214936	1.63E-02	2.49E-03	1.12E-03
1308	569670.1	4214927	1.57E-02	2.40E-03	1.08E-03
1309	569669	4214917	1.51E-02	2.30E-03	1.04E-03
1310	569667.9	4214908	1.45E-02	2.21E-03	9.98E-04
1311	569666.8	4214899	1.39E-02	2.12E-03	9.59E-04
1312	569665.7	4214889	1.33E-02	2.04E-03	9.19E-04
1313	569664.6	4214880	1.28E-02	1.95E-03	8.81E-04
1314	569663.5	4214871	1.23E-02	1.87E-03	8.45E-04
1315	569662.4	4214861	1.18E-02	1.80E-03	8.12E-04
1316	569661.3	4214852	1.13E-02	1.73E-03	7.81E-04
1317	569660.2	4214843	1.09E-02	1.67E-03	7.53E-04
1318	569659.1	4214833	1.06E-02	1.61E-03	7.28E-04
1319	569680	4215011	2.07E-02	3.16E-03	1.43E-03
1320	569684.7	4215019	2.15E-02	3.28E-03	1.48E-03
1321	569689.4	4215028	2.24E-02	3.42E-03	1.54E-03
1322	569694.1	4215036	2.34E-02	3.57E-03	1.61E-03
1323	569698.7	4215045	2.44E-02	3.72E-03	1.68E-03
1324	569703.4	4215053	2.55E-02	3.90E-03	1.76E-03
1325	569708.1	4215062	2.68E-02	4.09E-03	1.85E-03
1326	569712.8	4215070	2.81E-02	4.29E-03	1.94E-03
1327	569717.4	4215079	2.95E-02	4.50E-03	2.03E-03
1328	569722.1	4215087	3.10E-02	4.73E-03	2.14E-03
1329	569726.8	4215096	3.26E-02	4.98E-03	2.25E-03
1330	569731.5	4215104	3.43E-02	5.24E-03	2.36E-03
1331	569736.1	4215113	3.61E-02	5.52E-03	2.49E-03
1332	569740.8	4215121	3.81E-02	5.81E-03	2.62E-03
1333	569773.5	4215181	6.04E-02	9.22E-03	4.16E-03
1334	569778.2	4215189	6.55E-02	1.00E-02	4.51E-03
1335	569782.9	4215198	7.06E-02	1.08E-02	4.87E-03
1336	569787.6	4215206	7.40E-02	1.13E-02	5.10E-03
1337	569792.2	4215215	7.73E-02	1.18E-02	5.33E-03
1338	569796.9	4215223	8.02E-02	1.22E-02	5.52E-03
1339	569801.6	4215232	7.95E-02	1.21E-02	5.48E-03
1340	569670.2	4215006	2.03E-02	3.10E-03	1.40E-03
1341	569669.1	4214997	1.97E-02	3.01E-03	1.36E-03
1342	569668	4214988	1.92E-02	2.93E-03	1.32E-03
1343	569666.9	4214978	1.87E-02	2.85E-03	1.29E-03
1344	569665.8	4214969	1.82E-02	2.78E-03	1.25E-03
1345	569664.7	4214960	1.77E-02	2.71E-03	1.22E-03
1346	569663.6	4214951	1.72E-02	2.62E-03	1.18E-03

1347	569662.5	4214941	1.65E-02	2.52E-03	1.14E-03
1348	569661.4	4214932	1.59E-02	2.43E-03	1.10E-03
1349	569660.4	4214923	1.53E-02	2.34E-03	1.06E-03
1350	569659.3	4214914	1.47E-02	2.25E-03	1.02E-03
1351	569658.2	4214905	1.42E-02	2.17E-03	9.77E-04
1352	569657.1	4214895	1.36E-02	2.08E-03	9.41E-04
1353	569656	4214886	1.31E-02	2.00E-03	9.04E-04
1354	569654.9	4214877	1.26E-02	1.93E-03	8.70E-04
1355	569653.8	4214868	1.22E-02	1.86E-03	8.38E-04
1356	569652.7	4214858	1.17E-02	1.79E-03	8.09E-04
1357	569651.6	4214849	1.14E-02	1.73E-03	7.82E-04
1358	569650.5	4214840	1.10E-02	1.68E-03	7.58E-04
1359	569671.3	4215015	2.09E-02	3.19E-03	1.44E-03
1360	569676	4215024	2.17E-02	3.32E-03	1.50E-03
1361	569680.6	4215032	2.26E-02	3.45E-03	1.56E-03
1362	569685.3	4215041	2.35E-02	3.59E-03	1.62E-03
1363	569690	4215049	2.46E-02	3.75E-03	1.69E-03
1364	569694.7	4215058	2.57E-02	3.93E-03	1.77E-03
1365	569699.3	4215066	2.69E-02	4.11E-03	1.86E-03
1366	569704	4215075	2.82E-02	4.31E-03	1.94E-03
1367	569708.7	4215083	2.96E-02	4.52E-03	2.04E-03
1368	569713.4	4215092	3.11E-02	4.75E-03	2.14E-03
1369	569718	4215100	3.27E-02	4.99E-03	2.25E-03
1370	569722.7	4215109	3.44E-02	5.26E-03	2.37E-03
1371	569727.4	4215117	3.64E-02	5.55E-03	2.51E-03
1372	569764.8	4215185	6.10E-02	9.31E-03	4.20E-03
1373	569769.4	4215194	6.60E-02	1.01E-02	4.55E-03
1374	569774.1	4215202	6.88E-02	1.05E-02	4.74E-03
1375	569778.8	4215211	7.11E-02	1.09E-02	4.90E-03
1376	569783.5	4215219	7.39E-02	1.13E-02	5.10E-03
1377	569788.1	4215228	7.58E-02	1.16E-02	5.22E-03
1378	569792.8	4215236	7.31E-02	1.12E-02	5.04E-03
1379	569661.4	4215011	2.04E-02	3.12E-03	1.41E-03
1380	569660.2	4215001	1.98E-02	3.03E-03	1.37E-03
1381	569659.1	4214991	1.93E-02	2.95E-03	1.33E-03
1382	569658	4214982	1.88E-02	2.87E-03	1.30E-03
1383	569656.8	4214972	1.82E-02	2.78E-03	1.26E-03
1384	569655.7	4214963	1.76E-02	2.69E-03	1.22E-03
1385	569654.6	4214953	1.71E-02	2.60E-03	1.18E-03
1386	569653.4	4214943	1.64E-02	2.51E-03	1.13E-03
1387	569652.3	4214934	1.58E-02	2.42E-03	1.09E-03
1388	569651.2	4214924	1.53E-02	2.33E-03	1.05E-03
1389	569650	4214915	1.47E-02	2.24E-03	1.01E-03
1390	569648.9	4214905	1.41E-02	2.16E-03	9.73E-04
1391	569647.8	4214896	1.36E-02	2.08E-03	9.37E-04
1392	569646.6	4214886	1.31E-02	2.00E-03	9.02E-04
1393	569645.5	4214876	1.26E-02	1.93E-03	8.69E-04
1394	569644.4	4214867	1.22E-02	1.86E-03	8.39E-04
1395	569643.2	4214857	1.18E-02	1.80E-03	8.12E-04
1396	569662.5	4215020	2.11E-02	3.22E-03	1.46E-03
1397	569667.2	4215029	2.19E-02	3.35E-03	1.51E-03
1398	569671.9	4215037	2.28E-02	3.48E-03	1.57E-03

1399	569676.5	4215046	2.37E-02	3.61E-03	1.63E-03
1400	569681.2	4215054	2.47E-02	3.78E-03	1.70E-03
1401	569685.9	4215063	2.59E-02	3.95E-03	1.78E-03
1402	569690.6	4215071	2.70E-02	4.13E-03	1.86E-03
1403	569695.2	4215080	2.83E-02	4.33E-03	1.95E-03
1404	569699.9	4215088	2.98E-02	4.54E-03	2.05E-03
1405	569704.6	4215097	3.13E-02	4.77E-03	2.15E-03
1406	569709.3	4215105	3.28E-02	5.01E-03	2.26E-03
1407	569713.9	4215114	3.46E-02	5.28E-03	2.38E-03
1408	569718.6	4215122	3.66E-02	5.59E-03	2.52E-03
1409	569751.3	4215182	5.71E-02	8.72E-03	3.93E-03
1410	569756	4215190	6.14E-02	9.37E-03	4.23E-03
1411	569760.7	4215199	6.51E-02	9.94E-03	4.48E-03
1412	569765.4	4215207	6.66E-02	1.02E-02	4.59E-03
1413	569770	4215216	6.85E-02	1.05E-02	4.72E-03
1414	569774.7	4215224	7.08E-02	1.08E-02	4.88E-03
1415	569779.4	4215233	6.96E-02	1.06E-02	4.80E-03
1416	569784.1	4215241	6.69E-02	1.02E-02	4.61E-03
1417	569652.6	4215015	2.06E-02	3.14E-03	1.42E-03
1418	569651.5	4215006	2.00E-02	3.05E-03	1.38E-03
1419	569650.4	4214997	1.95E-02	2.97E-03	1.34E-03
1420	569649.3	4214987	1.90E-02	2.90E-03	1.31E-03
1421	569648.1	4214978	1.84E-02	2.80E-03	1.27E-03
1422	569647	4214968	1.77E-02	2.71E-03	1.22E-03
1423	569645.9	4214959	1.71E-02	2.62E-03	1.18E-03
1424	569644.8	4214949	1.65E-02	2.53E-03	1.14E-03
1425	569643.6	4214940	1.60E-02	2.44E-03	1.10E-03
1426	569642.5	4214930	1.54E-02	2.35E-03	1.06E-03
1427	569641.4	4214921	1.49E-02	2.27E-03	1.03E-03
1428	569640.3	4214911	1.43E-02	2.19E-03	9.88E-04
1429	569639.1	4214902	1.38E-02	2.11E-03	9.53E-04
1430	569638	4214892	1.34E-02	2.04E-03	9.20E-04
1431	569636.9	4214883	1.29E-02	1.97E-03	8.89E-04
1432	569635.8	4214873	1.25E-02	1.91E-03	8.60E-04
1433	569634.7	4214864	1.21E-02	1.85E-03	8.35E-04
1434	569653.8	4215025	2.13E-02	3.25E-03	1.47E-03
1435	569658.4	4215033	2.21E-02	3.37E-03	1.52E-03
1436	569663.1	4215042	2.29E-02	3.50E-03	1.58E-03
1437	569667.8	4215050	2.38E-02	3.64E-03	1.64E-03
1438	569672.5	4215059	2.48E-02	3.79E-03	1.71E-03
1439	569677.1	4215067	2.59E-02	3.96E-03	1.79E-03
1440	569681.8	4215076	2.71E-02	4.13E-03	1.86E-03
1441	569686.5	4215084	2.84E-02	4.34E-03	1.96E-03
1442	569691.2	4215093	2.99E-02	4.56E-03	2.06E-03
1443	569695.8	4215101	3.14E-02	4.80E-03	2.16E-03
1444	569700.5	4215110	3.30E-02	5.03E-03	2.27E-03
1445	569737.9	4215178	5.37E-02	8.20E-03	3.70E-03
1446	569742.6	4215187	5.75E-02	8.77E-03	3.96E-03
1447	569747.2	4215195	6.16E-02	9.41E-03	4.25E-03
1448	569751.9	4215204	6.29E-02	9.61E-03	4.34E-03
1449	569756.6	4215212	6.40E-02	9.77E-03	4.41E-03
1450	569761.3	4215221	6.55E-02	1.00E-02	4.51E-03

1451	569765.9	4215229	6.60E-02	1.01E-02	4.55E-03
1452	569770.6	4215238	6.37E-02	9.73E-03	4.39E-03
1453	569775.3	4215246	6.14E-02	9.37E-03	4.23E-03
1454	569643.9	4215020	2.07E-02	3.16E-03	1.43E-03
1455	569642.8	4215011	2.01E-02	3.07E-03	1.39E-03
1456	569641.7	4215002	1.96E-02	2.99E-03	1.35E-03
1457	569640.5	4214992	1.91E-02	2.91E-03	1.32E-03
1458	569639.4	4214983	1.86E-02	2.83E-03	1.28E-03
1459	569638.3	4214973	1.79E-02	2.73E-03	1.23E-03
1460	569637.2	4214964	1.73E-02	2.64E-03	1.19E-03
1461	569636.1	4214955	1.66E-02	2.54E-03	1.15E-03
1462	569635	4214945	1.61E-02	2.46E-03	1.11E-03
1463	569633.9	4214936	1.56E-02	2.37E-03	1.07E-03
1464	569632.7	4214926	1.51E-02	2.30E-03	1.04E-03
1465	569631.6	4214917	1.45E-02	2.22E-03	1.00E-03
1466	569630.5	4214908	1.41E-02	2.15E-03	9.69E-04
1467	569629.4	4214898	1.36E-02	2.08E-03	9.37E-04
1468	569628.3	4214889	1.32E-02	2.01E-03	9.09E-04
1469	569627.2	4214879	1.28E-02	1.95E-03	8.82E-04
1470	569626.1	4214870	1.24E-02	1.90E-03	8.57E-04
1471	569645	4215030	2.14E-02	3.27E-03	1.48E-03
1472	569649.7	4215038	2.22E-02	3.39E-03	1.53E-03
1473	569654.3	4215047	2.30E-02	3.51E-03	1.58E-03
1474	569659	4215055	2.39E-02	3.65E-03	1.65E-03
1475	569663.7	4215064	2.49E-02	3.80E-03	1.72E-03
1476	569668.4	4215072	2.59E-02	3.96E-03	1.79E-03
1477	569673	4215081	2.71E-02	4.14E-03	1.87E-03
1478	569677.7	4215089	2.84E-02	4.34E-03	1.96E-03
1479	569682.4	4215098	2.99E-02	4.56E-03	2.06E-03
1480	569687.1	4215106	3.14E-02	4.80E-03	2.17E-03
1481	569691.7	4215115	3.30E-02	5.04E-03	2.27E-03
1482	569724.5	4215174	5.08E-02	7.75E-03	3.50E-03
1483	569729.1	4215183	5.41E-02	8.25E-03	3.72E-03
1484	569733.8	4215191	5.76E-02	8.80E-03	3.97E-03
1485	569738.5	4215200	6.01E-02	9.18E-03	4.14E-03
1486	569743.2	4215208	6.08E-02	9.28E-03	4.19E-03
1487	569747.8	4215217	6.15E-02	9.40E-03	4.24E-03
1488	569752.5	4215225	6.23E-02	9.52E-03	4.30E-03
1489	569757.2	4215234	6.06E-02	9.26E-03	4.18E-03
1490	569761.9	4215242	5.87E-02	8.96E-03	4.04E-03
1491	569766.5	4215251	5.67E-02	8.66E-03	3.91E-03
1492	569635.1	4215025	2.09E-02	3.19E-03	1.44E-03
1493	569634	4215016	2.02E-02	3.09E-03	1.39E-03
1494	569632.9	4215007	1.97E-02	3.01E-03	1.36E-03
1495	569631.8	4214997	1.92E-02	2.93E-03	1.32E-03
1496	569630.7	4214988	1.87E-02	2.85E-03	1.29E-03
1497	569629.6	4214979	1.80E-02	2.75E-03	1.24E-03
1498	569628.5	4214969	1.74E-02	2.66E-03	1.20E-03
1499	569627.4	4214960	1.68E-02	2.56E-03	1.16E-03
1500	569626.3	4214951	1.62E-02	2.48E-03	1.12E-03
1501	569625.2	4214941	1.57E-02	2.40E-03	1.08E-03
1502	569624.1	4214932	1.52E-02	2.33E-03	1.05E-03

1503	569623	4214923	1.48E-02	2.25E-03	1.02E-03
1504	569621.9	4214913	1.43E-02	2.18E-03	9.85E-04
1505	569620.8	4214904	1.38E-02	2.11E-03	9.54E-04
1506	569619.7	4214895	1.34E-02	2.05E-03	9.26E-04
1507	569618.6	4214885	1.31E-02	2.00E-03	9.01E-04
1508	569636.2	4215035	2.15E-02	3.28E-03	1.48E-03
1509	569640.9	4215043	2.22E-02	3.39E-03	1.53E-03
1510	569645.6	4215052	2.31E-02	3.52E-03	1.59E-03
1511	569650.3	4215060	2.40E-02	3.66E-03	1.65E-03
1512	569654.9	4215069	2.49E-02	3.81E-03	1.72E-03
1513	569659.6	4215077	2.59E-02	3.96E-03	1.79E-03
1514	569664.3	4215086	2.71E-02	4.14E-03	1.87E-03
1515	569669	4215094	2.84E-02	4.34E-03	1.96E-03
1516	569673.6	4215103	2.98E-02	4.55E-03	2.05E-03
1517	569678.3	4215111	3.13E-02	4.77E-03	2.15E-03
1518	569683	4215120	3.28E-02	5.00E-03	2.26E-03
1519	569711	4215171	4.60E-02	7.02E-03	3.17E-03
1520	569715.7	4215179	4.97E-02	7.59E-03	3.43E-03
1521	569720.4	4215188	5.37E-02	8.20E-03	3.70E-03
1522	569725	4215196	5.76E-02	8.80E-03	3.97E-03
1523	569729.7	4215205	5.81E-02	8.87E-03	4.00E-03
1524	569734.4	4215213	5.86E-02	8.95E-03	4.04E-03
1525	569739.1	4215222	5.92E-02	9.04E-03	4.08E-03
1526	569743.7	4215230	5.84E-02	8.92E-03	4.02E-03
1527	569748.4	4215239	5.63E-02	8.59E-03	3.88E-03
1528	569753.1	4215247	5.43E-02	8.30E-03	3.75E-03
1529	569757.8	4215256	5.28E-02	8.06E-03	3.64E-03
1530	569626.3	4215030	2.09E-02	3.19E-03	1.44E-03
1531	569625.2	4215020	2.02E-02	3.09E-03	1.39E-03
1532	569624	4215011	1.96E-02	3.00E-03	1.35E-03
1533	569622.9	4215001	1.91E-02	2.91E-03	1.31E-03
1534	569621.8	4214991	1.85E-02	2.83E-03	1.28E-03
1535	569620.6	4214982	1.80E-02	2.74E-03	1.24E-03
1536	569619.5	4214972	1.73E-02	2.64E-03	1.19E-03
1537	569618.3	4214962	1.67E-02	2.55E-03	1.15E-03
1538	569617.2	4214953	1.61E-02	2.46E-03	1.11E-03
1539	569616.1	4214943	1.56E-02	2.39E-03	1.08E-03
1540	569614.9	4214933	1.52E-02	2.32E-03	1.05E-03
1541	569613.8	4214924	1.47E-02	2.25E-03	1.01E-03
1542	569612.6	4214914	1.43E-02	2.18E-03	9.82E-04
1543	569611.5	4214905	1.38E-02	2.11E-03	9.52E-04
1544	569610.4	4214895	1.34E-02	2.05E-03	9.25E-04
1545	569627.5	4215039	2.15E-02	3.28E-03	1.48E-03
1546	569632.1	4215048	2.23E-02	3.40E-03	1.53E-03
1547	569636.8	4215056	2.31E-02	3.53E-03	1.59E-03
1548	569641.5	4215065	2.40E-02	3.66E-03	1.65E-03
1549	569646.2	4215073	2.49E-02	3.80E-03	1.71E-03
1550	569650.8	4215082	2.59E-02	3.96E-03	1.79E-03
1551	569655.5	4215090	2.71E-02	4.14E-03	1.87E-03
1552	569660.2	4215099	2.84E-02	4.33E-03	1.95E-03
1553	569664.9	4215107	2.97E-02	4.54E-03	2.05E-03
1554	569669.5	4215116	3.11E-02	4.74E-03	2.14E-03

1555	569674.2	4215124	3.25E-02	4.96E-03	2.24E-03
1556	569688.2	4215150	3.75E-02	5.73E-03	2.59E-03
1557	569692.9	4215158	3.94E-02	6.02E-03	2.72E-03
1558	569697.6	4215167	4.17E-02	6.37E-03	2.88E-03
1559	569702.3	4215175	4.50E-02	6.87E-03	3.10E-03
1560	569706.9	4215184	4.86E-02	7.43E-03	3.35E-03
1561	569711.6	4215192	5.25E-02	8.02E-03	3.62E-03
1562	569716.3	4215201	5.50E-02	8.40E-03	3.79E-03
1563	569721	4215209	5.59E-02	8.54E-03	3.85E-03
1564	569725.6	4215218	5.64E-02	8.61E-03	3.89E-03
1565	569730.3	4215226	5.67E-02	8.67E-03	3.91E-03
1566	569735	4215235	5.44E-02	8.31E-03	3.75E-03
1567	569739.7	4215243	5.24E-02	8.01E-03	3.61E-03
1568	569744.3	4215252	5.07E-02	7.74E-03	3.49E-03
1569	569749	4215260	4.93E-02	7.53E-03	3.40E-03
1570	569984.8	4215238	2.71E-01	4.13E-02	1.87E-02
1571	569985.1	4215248	2.49E-01	3.80E-02	1.72E-02
1572	569985.4	4215257	2.27E-01	3.46E-02	1.56E-02
1573	569985.7	4215267	2.04E-01	3.11E-02	1.40E-02
1574	569986	4215277	1.83E-01	2.80E-02	1.26E-02
1575	569986.3	4215287	1.67E-01	2.54E-02	1.15E-02
1576	569986.7	4215296	1.63E-01	2.48E-02	1.12E-02
1577	569987	4215306	1.61E-01	2.45E-02	1.11E-02
1578	569987.3	4215316	1.60E-01	2.45E-02	1.11E-02
1579	569987.6	4215325	1.66E-01	2.53E-02	1.14E-02
1580	569987.9	4215335	1.73E-01	2.64E-02	1.19E-02
1581	569988.2	4215345	1.84E-01	2.81E-02	1.27E-02
1582	569988.6	4215354	1.83E-01	2.79E-02	1.26E-02
1583	569988.9	4215364	1.78E-01	2.72E-02	1.23E-02
1584	569989.2	4215374	1.78E-01	2.72E-02	1.23E-02
1585	569973.5	4215200	2.94E-01	4.49E-02	2.02E-02
1586	569973.8	4215209	2.83E-01	4.33E-02	1.95E-02
1587	569974.1	4215219	2.67E-01	4.08E-02	1.84E-02
1588	569974.5	4215229	2.50E-01	3.81E-02	1.72E-02
1589	569974.8	4215238	2.34E-01	3.57E-02	1.61E-02
1590	569975.1	4215248	2.17E-01	3.31E-02	1.49E-02
1591	569975.4	4215258	1.99E-01	3.04E-02	1.37E-02
1592	569975.7	4215267	1.81E-01	2.76E-02	1.25E-02
1593	569976	4215277	1.64E-01	2.51E-02	1.13E-02
1594	569976.4	4215287	1.52E-01	2.31E-02	1.04E-02
1595	569976.7	4215297	1.49E-01	2.28E-02	1.03E-02
1596	569977	4215306	1.48E-01	2.26E-02	1.02E-02
1597	569977.3	4215316	1.48E-01	2.26E-02	1.02E-02
1598	569977.6	4215326	1.54E-01	2.34E-02	1.06E-02
1599	569977.9	4215335	1.60E-01	2.45E-02	1.10E-02
1600	569978.2	4215345	1.72E-01	2.62E-02	1.18E-02
1601	569978.6	4215355	1.71E-01	2.61E-02	1.18E-02
1602	569978.9	4215364	1.69E-01	2.58E-02	1.16E-02
1603	569979.2	4215374	1.75E-01	2.68E-02	1.21E-02
1604	569962.6	4215171	2.68E-01	4.09E-02	1.85E-02
1605	569962.9	4215181	2.71E-01	4.13E-02	1.87E-02
1606	569963.2	4215190	2.67E-01	4.08E-02	1.84E-02

1607	569963.5	4215200	2.60E-01	3.97E-02	1.79E-02
1608	569963.8	4215210	2.47E-01	3.77E-02	1.70E-02
1609	569964.2	4215219	2.30E-01	3.52E-02	1.59E-02
1610	569964.5	4215229	2.14E-01	3.27E-02	1.48E-02
1611	569964.8	4215239	2.02E-01	3.09E-02	1.39E-02
1612	569965.1	4215248	1.90E-01	2.90E-02	1.31E-02
1613	569965.4	4215258	1.77E-01	2.70E-02	1.22E-02
1614	569965.7	4215268	1.62E-01	2.47E-02	1.11E-02
1615	569966	4215277	1.48E-01	2.27E-02	1.02E-02
1616	569966.4	4215287	1.38E-01	2.11E-02	9.54E-03
1617	569966.7	4215297	1.37E-01	2.09E-02	9.44E-03
1618	569967	4215307	1.36E-01	2.08E-02	9.40E-03
1619	569967.3	4215316	1.37E-01	2.09E-02	9.43E-03
1620	569967.6	4215326	1.43E-01	2.18E-02	9.83E-03
1621	569967.9	4215336	1.49E-01	2.28E-02	1.03E-02
1622	569968.2	4215345	1.57E-01	2.40E-02	1.08E-02
1623	569968.6	4215355	1.57E-01	2.40E-02	1.08E-02
1624	569968.9	4215365	1.61E-01	2.46E-02	1.11E-02
1625	569969.2	4215374	1.74E-01	2.66E-02	1.20E-02
1626	569952.3	4215162	2.34E-01	3.57E-02	1.61E-02
1627	569952.6	4215171	2.41E-01	3.68E-02	1.66E-02
1628	569952.9	4215181	2.43E-01	3.71E-02	1.67E-02
1629	569953.2	4215191	2.39E-01	3.65E-02	1.65E-02
1630	569953.5	4215200	2.33E-01	3.55E-02	1.60E-02
1631	569953.8	4215210	2.20E-01	3.35E-02	1.51E-02
1632	569954.2	4215220	2.03E-01	3.11E-02	1.40E-02
1633	569954.5	4215229	1.88E-01	2.88E-02	1.30E-02
1634	569954.8	4215239	1.78E-01	2.72E-02	1.23E-02
1635	569955.1	4215249	1.68E-01	2.56E-02	1.15E-02
1636	569955.4	4215258	1.57E-01	2.40E-02	1.08E-02
1637	569955.7	4215268	1.46E-01	2.23E-02	1.01E-02
1638	569956	4215278	1.36E-01	2.08E-02	9.40E-03
1639	569956.4	4215287	1.29E-01	1.97E-02	8.90E-03
1640	569956.7	4215297	1.28E-01	1.95E-02	8.81E-03
1641	569957	4215307	1.27E-01	1.94E-02	8.77E-03
1642	569957.3	4215317	1.28E-01	1.95E-02	8.79E-03
1643	569957.6	4215326	1.32E-01	2.02E-02	9.12E-03
1644	569957.9	4215336	1.38E-01	2.10E-02	9.49E-03
1645	569958.3	4215346	1.44E-01	2.20E-02	9.94E-03
1646	569958.6	4215355	1.46E-01	2.23E-02	1.00E-02
1647	569958.9	4215365	1.53E-01	2.33E-02	1.05E-02
1648	569959.2	4215375	1.72E-01	2.63E-02	1.19E-02
1649	569942.6	4215172	2.19E-01	3.34E-02	1.51E-02
1650	569942.9	4215181	2.20E-01	3.36E-02	1.52E-02
1651	569943.2	4215191	2.19E-01	3.35E-02	1.51E-02
1652	569943.5	4215201	2.10E-01	3.20E-02	1.44E-02
1653	569943.8	4215210	1.96E-01	3.00E-02	1.35E-02
1654	569944.2	4215220	1.81E-01	2.76E-02	1.25E-02
1655	569944.5	4215230	1.67E-01	2.55E-02	1.15E-02
1656	569944.8	4215239	1.58E-01	2.41E-02	1.09E-02
1657	569945.1	4215249	1.49E-01	2.27E-02	1.02E-02
1658	569945.4	4215259	1.40E-01	2.14E-02	9.66E-03

1659	569945.7	4215268	1.33E-01	2.03E-02	9.15E-03
1660	569946.1	4215278	1.26E-01	1.93E-02	8.71E-03
1661	569946.4	4215288	1.21E-01	1.85E-02	8.37E-03
1662	569946.7	4215297	1.20E-01	1.83E-02	8.27E-03
1663	569947	4215307	1.19E-01	1.82E-02	8.22E-03
1664	569947.3	4215317	1.19E-01	1.82E-02	8.22E-03
1665	569947.6	4215327	1.23E-01	1.88E-02	8.46E-03
1666	569947.9	4215336	1.27E-01	1.94E-02	8.74E-03
1667	569948.3	4215346	1.32E-01	2.01E-02	9.08E-03
1668	569948.6	4215356	1.35E-01	2.06E-02	9.30E-03
1669	569948.9	4215365	1.45E-01	2.21E-02	1.00E-02
1670	569949.2	4215375	1.72E-01	2.62E-02	1.18E-02
1671	569932.6	4215172	2.00E-01	3.06E-02	1.38E-02
1672	569932.9	4215182	2.01E-01	3.06E-02	1.38E-02
1673	569933.2	4215191	2.00E-01	3.05E-02	1.38E-02
1674	569933.5	4215201	1.90E-01	2.90E-02	1.31E-02
1675	569933.9	4215211	1.77E-01	2.70E-02	1.22E-02
1676	569934.2	4215220	1.61E-01	2.47E-02	1.11E-02
1677	569934.5	4215230	1.49E-01	2.27E-02	1.03E-02
1678	569934.8	4215240	1.41E-01	2.15E-02	9.69E-03
1679	569935.1	4215249	1.33E-01	2.03E-02	9.15E-03
1680	569935.4	4215259	1.26E-01	1.93E-02	8.69E-03
1681	569935.7	4215269	1.22E-01	1.86E-02	8.38E-03
1682	569936.1	4215278	1.18E-01	1.79E-02	8.10E-03
1683	569936.4	4215288	1.14E-01	1.75E-02	7.88E-03
1684	569936.7	4215298	1.13E-01	1.72E-02	7.78E-03
1685	569937	4215307	1.12E-01	1.71E-02	7.71E-03
1686	569937.3	4215317	1.12E-01	1.71E-02	7.70E-03
1687	569937.6	4215327	1.14E-01	1.74E-02	7.87E-03
1688	569937.9	4215336	1.17E-01	1.79E-02	8.09E-03
1689	569938.3	4215346	1.22E-01	1.86E-02	8.40E-03
1690	569938.6	4215356	1.27E-01	1.94E-02	8.75E-03
1691	569938.9	4215366	1.40E-01	2.14E-02	9.67E-03
1692	569939.2	4215375	1.73E-01	2.65E-02	1.19E-02
1693	569922.9	4215182	1.84E-01	2.81E-02	1.27E-02
1694	569923.2	4215192	1.85E-01	2.82E-02	1.27E-02
1695	569923.5	4215201	1.76E-01	2.69E-02	1.22E-02
1696	569923.9	4215211	1.64E-01	2.50E-02	1.13E-02
1697	569924.2	4215221	1.48E-01	2.27E-02	1.02E-02
1698	569924.5	4215230	1.36E-01	2.08E-02	9.39E-03
1699	569924.8	4215240	1.28E-01	1.96E-02	8.84E-03
1700	569925.1	4215250	1.21E-01	1.85E-02	8.33E-03
1701	569925.4	4215259	1.15E-01	1.76E-02	7.93E-03
1702	569925.7	4215269	1.12E-01	1.71E-02	7.70E-03
1703	569926.1	4215279	1.09E-01	1.66E-02	7.49E-03
1704	569926.4	4215288	1.06E-01	1.62E-02	7.33E-03
1705	569926.7	4215298	1.05E-01	1.60E-02	7.24E-03
1706	569927	4215308	1.04E-01	1.59E-02	7.17E-03
1707	569927.3	4215317	1.04E-01	1.59E-02	7.16E-03
1708	569927.6	4215327	1.06E-01	1.62E-02	7.33E-03
1709	569928	4215337	1.10E-01	1.67E-02	7.55E-03
1710	569928.3	4215346	1.15E-01	1.75E-02	7.89E-03

1711	569928.6	4215356	1.21E-01	1.85E-02	8.35E-03
1712	569928.9	4215366	1.37E-01	2.09E-02	9.42E-03
1713	569929.2	4215376	1.73E-01	2.64E-02	1.19E-02
1714	569912.9	4215182	1.70E-01	2.60E-02	1.17E-02
1715	569913.2	4215192	1.72E-01	2.62E-02	1.18E-02
1716	569913.5	4215202	1.64E-01	2.51E-02	1.13E-02
1717	569913.9	4215211	1.52E-01	2.32E-02	1.05E-02
1718	569914.2	4215221	1.37E-01	2.09E-02	9.45E-03
1719	569914.5	4215231	1.25E-01	1.92E-02	8.65E-03
1720	569914.8	4215240	1.18E-01	1.80E-02	8.12E-03
1721	569915.1	4215250	1.11E-01	1.69E-02	7.64E-03
1722	569915.4	4215260	1.06E-01	1.61E-02	7.27E-03
1723	569915.8	4215269	1.03E-01	1.57E-02	7.09E-03
1724	569916.1	4215279	1.00E-01	1.53E-02	6.92E-03
1725	569916.4	4215289	9.84E-02	1.50E-02	6.78E-03
1726	569916.7	4215298	9.69E-02	1.48E-02	6.68E-03
1727	569917	4215308	9.67E-02	1.48E-02	6.66E-03
1728	569917.3	4215318	9.66E-02	1.48E-02	6.66E-03
1729	569917.6	4215327	9.93E-02	1.52E-02	6.84E-03
1730	569918	4215337	1.03E-01	1.57E-02	7.10E-03
1731	569918.3	4215347	1.09E-01	1.66E-02	7.49E-03
1732	569918.6	4215356	1.15E-01	1.76E-02	7.96E-03
1733	569918.9	4215366	1.30E-01	1.99E-02	8.99E-03
1734	569919.2	4215376	1.62E-01	2.47E-02	1.12E-02
1735	569903.2	4215192	1.60E-01	2.44E-02	1.10E-02
1736	569903.6	4215202	1.54E-01	2.35E-02	1.06E-02
1737	569903.9	4215212	1.42E-01	2.16E-02	9.77E-03
1738	569904.2	4215221	1.27E-01	1.94E-02	8.75E-03
1739	569904.5	4215231	1.16E-01	1.77E-02	7.99E-03
1740	569904.8	4215241	1.09E-01	1.66E-02	7.49E-03
1741	569905.1	4215250	1.02E-01	1.56E-02	7.02E-03
1742	569905.4	4215260	9.75E-02	1.49E-02	6.72E-03
1743	569905.8	4215270	9.53E-02	1.45E-02	6.56E-03
1744	569906.1	4215279	9.33E-02	1.42E-02	6.43E-03
1745	569906.4	4215289	9.15E-02	1.40E-02	6.31E-03
1746	569906.7	4215299	9.01E-02	1.38E-02	6.21E-03
1747	569907	4215308	8.90E-02	1.36E-02	6.13E-03
1748	569907.3	4215318	8.88E-02	1.36E-02	6.12E-03
1749	569907.6	4215328	9.31E-02	1.42E-02	6.42E-03
1750	569908	4215337	9.71E-02	1.48E-02	6.69E-03
1751	569908.3	4215347	1.03E-01	1.57E-02	7.08E-03
1752	569908.6	4215357	1.09E-01	1.66E-02	7.51E-03
1753	569908.9	4215366	1.21E-01	1.85E-02	8.35E-03
1754	569909.2	4215376	1.42E-01	2.17E-02	9.81E-03
1755	569893.2	4215193	1.50E-01	2.29E-02	1.03E-02
1756	569893.6	4215202	1.46E-01	2.22E-02	1.00E-02
1757	569893.9	4215212	1.35E-01	2.06E-02	9.30E-03
1758	569894.2	4215222	1.21E-01	1.85E-02	8.36E-03
1759	569894.5	4215231	1.11E-01	1.69E-02	7.63E-03
1760	569894.8	4215241	1.03E-01	1.57E-02	7.10E-03
1761	569895.1	4215251	9.64E-02	1.47E-02	6.65E-03
1762	569895.4	4215260	9.18E-02	1.40E-02	6.33E-03

1763	569895.8	4215270	8.90E-02	1.36E-02	6.13E-03
1764	569896.1	4215280	8.65E-02	1.32E-02	5.96E-03
1765	569896.4	4215289	8.47E-02	1.29E-02	5.84E-03
1766	569896.7	4215299	8.37E-02	1.28E-02	5.77E-03
1767	569897	4215309	8.29E-02	1.27E-02	5.71E-03
1768	569897.3	4215318	8.29E-02	1.27E-02	5.72E-03
1769	569897.7	4215328	8.57E-02	1.31E-02	5.91E-03
1770	569898	4215338	9.12E-02	1.39E-02	6.28E-03
1771	569898.3	4215347	9.63E-02	1.47E-02	6.64E-03
1772	569898.6	4215357	1.02E-01	1.55E-02	6.99E-03
1773	569898.9	4215367	1.10E-01	1.68E-02	7.60E-03
1774	569883.6	4215203	1.38E-01	2.11E-02	9.51E-03
1775	569883.9	4215212	1.29E-01	1.96E-02	8.87E-03
1776	569884.2	4215222	1.16E-01	1.77E-02	8.01E-03
1777	569884.5	4215232	1.06E-01	1.62E-02	7.31E-03
1778	569884.8	4215241	9.84E-02	1.50E-02	6.78E-03
1779	569885.1	4215251	9.18E-02	1.40E-02	6.32E-03
1780	569885.5	4215261	8.69E-02	1.33E-02	5.99E-03
1781	569885.8	4215270	8.34E-02	1.27E-02	5.75E-03
1782	569886.1	4215280	8.04E-02	1.23E-02	5.54E-03
1783	569886.4	4215290	7.85E-02	1.20E-02	5.41E-03
1784	569886.7	4215299	7.80E-02	1.19E-02	5.38E-03
1785	569887	4215309	7.76E-02	1.18E-02	5.35E-03
1786	569887.3	4215319	7.78E-02	1.19E-02	5.36E-03
1787	569887.7	4215328	8.00E-02	1.22E-02	5.52E-03
1788	569888	4215338	8.34E-02	1.27E-02	5.75E-03
1789	569888.3	4215348	8.94E-02	1.36E-02	6.16E-03
1790	569888.6	4215357	9.35E-02	1.43E-02	6.44E-03
1791	569888.9	4215367	9.95E-02	1.52E-02	6.86E-03
1792	569873.6	4215203	1.31E-01	2.00E-02	9.02E-03
1793	569873.9	4215213	1.23E-01	1.87E-02	8.46E-03
1794	569874.2	4215222	1.11E-01	1.70E-02	7.68E-03
1795	569874.5	4215232	1.02E-01	1.55E-02	7.01E-03
1796	569874.8	4215242	9.40E-02	1.44E-02	6.48E-03
1797	569875.1	4215251	8.74E-02	1.33E-02	6.02E-03
1798	569875.5	4215261	8.23E-02	1.26E-02	5.67E-03
1799	569875.8	4215271	7.84E-02	1.20E-02	5.40E-03
1800	569876.1	4215280	7.51E-02	1.15E-02	5.17E-03
1801	569876.4	4215290	7.33E-02	1.12E-02	5.05E-03
1802	569876.7	4215300	7.30E-02	1.11E-02	5.03E-03
1803	569877	4215309	7.28E-02	1.11E-02	5.02E-03
1804	569877.3	4215319	7.32E-02	1.12E-02	5.04E-03
1805	569877.7	4215329	7.49E-02	1.14E-02	5.16E-03
1806	569878	4215338	7.75E-02	1.18E-02	5.34E-03
1807	569878.3	4215348	8.11E-02	1.24E-02	5.59E-03
1808	569878.6	4215358	8.46E-02	1.29E-02	5.83E-03
1809	569878.9	4215367	8.93E-02	1.36E-02	6.15E-03
1810	569863.9	4215213	1.17E-01	1.79E-02	8.08E-03
1811	569864.2	4215223	1.09E-01	1.66E-02	7.51E-03
1812	569864.5	4215232	1.00E-01	1.53E-02	6.92E-03
1813	569864.8	4215242	9.25E-02	1.41E-02	6.38E-03
1814	569865.1	4215252	8.53E-02	1.30E-02	5.88E-03

1815	569865.5	4215261	7.99E-02	1.22E-02	5.51E-03
1816	569865.8	4215271	7.58E-02	1.16E-02	5.23E-03
1817	569866.1	4215281	7.24E-02	1.11E-02	4.99E-03
1818	569866.4	4215290	7.04E-02	1.08E-02	4.85E-03
1819	569866.7	4215300	6.98E-02	1.07E-02	4.81E-03
1820	569867	4215310	6.92E-02	1.06E-02	4.77E-03
1821	569867.4	4215319	6.92E-02	1.06E-02	4.77E-03
1822	569867.7	4215329	7.02E-02	1.07E-02	4.84E-03
1823	569868	4215339	7.20E-02	1.10E-02	4.96E-03
1824	569868.3	4215348	7.45E-02	1.14E-02	5.13E-03
1825	569868.6	4215358	7.73E-02	1.18E-02	5.32E-03
1826	569868.9	4215368	8.06E-02	1.23E-02	5.55E-03
1827	569853.9	4215213	1.12E-01	1.71E-02	7.73E-03
1828	569854.2	4215223	1.07E-01	1.63E-02	7.34E-03
1829	569854.5	4215233	9.91E-02	1.51E-02	6.83E-03
1830	569854.8	4215242	9.12E-02	1.39E-02	6.28E-03
1831	569855.2	4215252	8.36E-02	1.28E-02	5.76E-03
1832	569855.5	4215262	7.82E-02	1.19E-02	5.39E-03
1833	569855.8	4215271	7.41E-02	1.13E-02	5.11E-03
1834	569856.1	4215281	7.07E-02	1.08E-02	4.87E-03
1835	569856.4	4215291	6.85E-02	1.05E-02	4.72E-03
1836	569856.7	4215300	6.72E-02	1.03E-02	4.63E-03
1837	569857	4215310	6.61E-02	1.01E-02	4.56E-03
1838	569857.4	4215320	6.55E-02	1.00E-02	4.51E-03
1839	569857.7	4215329	6.59E-02	1.01E-02	4.54E-03
1840	569858	4215339	6.68E-02	1.02E-02	4.60E-03
1841	569858.3	4215349	6.82E-02	1.04E-02	4.70E-03
1842	569858.6	4215358	7.02E-02	1.07E-02	4.84E-03
1843	569858.9	4215368	7.25E-02	1.11E-02	5.00E-03
1844	569844.2	4215223	1.04E-01	1.59E-02	7.17E-03
1845	569844.5	4215233	9.77E-02	1.49E-02	6.73E-03
1846	569844.8	4215243	8.98E-02	1.37E-02	6.19E-03
1847	569845.2	4215252	8.20E-02	1.25E-02	5.65E-03
1848	569845.5	4215262	7.65E-02	1.17E-02	5.27E-03
1849	569845.8	4215272	7.25E-02	1.11E-02	5.00E-03
1850	569846.1	4215281	6.91E-02	1.05E-02	4.76E-03
1851	569846.4	4215291	6.66E-02	1.02E-02	4.59E-03
1852	569846.7	4215301	6.48E-02	9.90E-03	4.47E-03
1853	569847.1	4215310	6.31E-02	9.64E-03	4.35E-03
1854	569847.4	4215320	6.21E-02	9.48E-03	4.28E-03
1855	569847.7	4215330	6.20E-02	9.46E-03	4.27E-03
1856	569848	4215339	6.21E-02	9.48E-03	4.28E-03
1857	569848.3	4215349	6.27E-02	9.58E-03	4.32E-03
1858	569848.6	4215359	6.41E-02	9.78E-03	4.41E-03
1859	569848.9	4215368	6.55E-02	1.00E-02	4.51E-03
1860	569834.2	4215224	9.85E-02	1.50E-02	6.79E-03
1861	569834.5	4215233	9.30E-02	1.42E-02	6.41E-03
1862	569834.9	4215243	8.60E-02	1.31E-02	5.93E-03
1863	569835.2	4215253	7.89E-02	1.21E-02	5.44E-03
1864	569835.5	4215262	7.40E-02	1.13E-02	5.10E-03
1865	569835.8	4215272	7.01E-02	1.07E-02	4.83E-03
1866	569836.1	4215282	6.69E-02	1.02E-02	4.61E-03

1867	569836.4	4215291	6.43E-02	9.83E-03	4.43E-03
1868	569836.7	4215301	6.23E-02	9.51E-03	4.29E-03
1869	569837.1	4215311	6.04E-02	9.22E-03	4.16E-03
1870	569837.4	4215320	5.91E-02	9.03E-03	4.08E-03
1871	569837.7	4215330	5.87E-02	8.96E-03	4.05E-03
1872	569838	4215340	5.84E-02	8.92E-03	4.02E-03
1873	569838.3	4215349	5.85E-02	8.93E-03	4.03E-03
1874	569838.6	4215359	5.92E-02	9.03E-03	4.08E-03
1875	569838.9	4215369	5.98E-02	9.13E-03	4.12E-03
1876	569824.5	4215234	8.84E-02	1.35E-02	6.09E-03
1877	569824.9	4215243	8.21E-02	1.25E-02	5.66E-03
1878	569825.2	4215253	7.58E-02	1.16E-02	5.23E-03
1879	569825.5	4215263	7.13E-02	1.09E-02	4.91E-03
1880	569825.8	4215272	6.77E-02	1.03E-02	4.66E-03
1881	569826.1	4215282	6.46E-02	9.86E-03	4.45E-03
1882	569826.4	4215292	6.20E-02	9.47E-03	4.27E-03
1883	569826.7	4215301	5.98E-02	9.14E-03	4.12E-03
1884	569827.1	4215311	5.78E-02	8.83E-03	3.98E-03
1885	569827.4	4215321	5.65E-02	8.63E-03	3.89E-03
1886	569827.7	4215330	5.59E-02	8.53E-03	3.85E-03
1887	569828	4215340	5.53E-02	8.45E-03	3.81E-03
1888	569828.3	4215350	5.51E-02	8.41E-03	3.79E-03
1889	569828.6	4215359	5.52E-02	8.43E-03	3.80E-03
1890	569829	4215369	5.52E-02	8.43E-03	3.81E-03
1891	569814.9	4215244	7.86E-02	1.20E-02	5.42E-03
1892	569815.2	4215253	7.29E-02	1.11E-02	5.02E-03
1893	569815.5	4215263	6.87E-02	1.05E-02	4.74E-03
1894	569815.8	4215273	6.53E-02	9.98E-03	4.50E-03
1895	569816.1	4215282	6.24E-02	9.52E-03	4.30E-03
1896	569816.4	4215292	5.98E-02	9.13E-03	4.12E-03
1897	569816.8	4215302	5.75E-02	8.78E-03	3.96E-03
1898	569817.1	4215311	5.53E-02	8.45E-03	3.81E-03
1899	569817.4	4215321	5.40E-02	8.24E-03	3.72E-03
1900	569817.7	4215331	5.32E-02	8.13E-03	3.67E-03
1901	569818	4215340	5.25E-02	8.01E-03	3.62E-03
1902	569818.3	4215350	5.19E-02	7.93E-03	3.58E-03
1903	569818.6	4215360	5.17E-02	7.89E-03	3.56E-03
1904	569819	4215369	5.12E-02	7.82E-03	3.53E-03
1905	569804.9	4215244	7.40E-02	1.13E-02	5.10E-03
1906	569805.2	4215254	6.87E-02	1.05E-02	4.73E-03
1907	569805.5	4215263	6.49E-02	9.91E-03	4.47E-03
1908	569805.8	4215273	6.18E-02	9.43E-03	4.26E-03
1909	569806.1	4215283	5.91E-02	9.02E-03	4.07E-03
1910	569806.4	4215292	5.68E-02	8.67E-03	3.91E-03
1911	569806.8	4215302	5.47E-02	8.35E-03	3.77E-03
1912	569807.1	4215312	5.27E-02	8.05E-03	3.63E-03
1913	569807.4	4215321	5.14E-02	7.85E-03	3.54E-03
1914	569807.7	4215331	5.06E-02	7.73E-03	3.49E-03
1915	569808	4215341	4.98E-02	7.60E-03	3.43E-03
1916	569808.3	4215350	4.91E-02	7.50E-03	3.38E-03
1917	569808.6	4215360	4.86E-02	7.42E-03	3.35E-03
1918	569809	4215370	4.80E-02	7.32E-03	3.30E-03

1919	569795.2	4215254	6.46E-02	9.86E-03	4.45E-03
1920	569795.5	4215264	6.10E-02	9.32E-03	4.21E-03
1921	569795.8	4215273	5.82E-02	8.89E-03	4.01E-03
1922	569796.1	4215283	5.57E-02	8.51E-03	3.84E-03
1923	569796.4	4215293	5.37E-02	8.20E-03	3.70E-03
1924	569796.8	4215302	5.19E-02	7.92E-03	3.58E-03
1925	569797.1	4215312	5.02E-02	7.66E-03	3.46E-03
1926	569797.4	4215322	4.90E-02	7.48E-03	3.38E-03
1927	569797.7	4215331	4.82E-02	7.36E-03	3.32E-03
1928	569798	4215341	4.73E-02	7.22E-03	3.26E-03
1929	569798.3	4215351	4.65E-02	7.11E-03	3.21E-03
1930	569798.7	4215360	4.60E-02	7.02E-03	3.17E-03
1931	569785.2	4215254	6.08E-02	9.28E-03	4.19E-03
1932	569785.5	4215264	5.76E-02	8.79E-03	3.97E-03
1933	569785.8	4215274	5.49E-02	8.39E-03	3.78E-03
1934	569786.1	4215283	5.26E-02	8.03E-03	3.63E-03
1935	569786.5	4215293	5.09E-02	7.77E-03	3.51E-03
1936	569786.8	4215303	4.93E-02	7.53E-03	3.40E-03
1937	569787.1	4215312	4.78E-02	7.30E-03	3.29E-03
1938	569787.4	4215322	4.67E-02	7.13E-03	3.22E-03
1939	569787.7	4215332	4.59E-02	7.01E-03	3.16E-03
1940	569788	4215341	4.49E-02	6.86E-03	3.10E-03
1941	569788.3	4215351	4.42E-02	6.75E-03	3.05E-03
1942	569788.7	4215361	4.36E-02	6.66E-03	3.00E-03
1943	569775.5	4215264	5.47E-02	8.35E-03	3.77E-03
1944	569775.8	4215274	5.22E-02	7.97E-03	3.59E-03
1945	569776.1	4215284	5.00E-02	7.63E-03	3.44E-03
1946	569776.5	4215293	4.83E-02	7.38E-03	3.33E-03
1947	569776.8	4215303	4.68E-02	7.15E-03	3.23E-03
1948	569777.1	4215313	4.54E-02	6.93E-03	3.13E-03
1949	569777.4	4215322	4.44E-02	6.77E-03	3.06E-03
1950	569777.7	4215332	4.35E-02	6.65E-03	3.00E-03
1951	569778	4215342	4.26E-02	6.50E-03	2.94E-03
1952	569778.3	4215351	4.18E-02	6.39E-03	2.88E-03
1953	569778.7	4215361	4.13E-02	6.30E-03	2.84E-03
1954	569765.5	4215265	5.20E-02	7.95E-03	3.59E-03
1955	569765.8	4215274	4.97E-02	7.58E-03	3.42E-03
1956	569766.1	4215284	4.76E-02	7.27E-03	3.28E-03
1957	569766.5	4215294	4.60E-02	7.02E-03	3.17E-03
1958	569766.8	4215303	4.45E-02	6.79E-03	3.07E-03
1959	569767.1	4215313	4.31E-02	6.58E-03	2.97E-03
1960	569767.4	4215323	4.21E-02	6.43E-03	2.90E-03
1961	569767.7	4215332	4.13E-02	6.30E-03	2.84E-03
1962	569768	4215342	4.03E-02	6.16E-03	2.78E-03
1963	569768.4	4215352	3.96E-02	6.05E-03	2.73E-03
1964	569768.7	4215361	3.90E-02	5.96E-03	2.69E-03
1965	569755.8	4215275	4.73E-02	7.23E-03	3.26E-03
1966	569756.2	4215284	4.54E-02	6.93E-03	3.13E-03
1967	569756.5	4215294	4.38E-02	6.69E-03	3.02E-03
1968	569756.8	4215304	4.23E-02	6.46E-03	2.92E-03
1969	569757.1	4215313	4.10E-02	6.26E-03	2.82E-03
1970	569757.4	4215323	4.01E-02	6.12E-03	2.76E-03

1971	569757.7	4215333	3.92E-02	5.99E-03	2.70E-03
1972	569758	4215342	3.83E-02	5.85E-03	2.64E-03
1973	569758.4	4215352	3.76E-02	5.74E-03	2.59E-03
1974	569758.7	4215362	3.70E-02	5.65E-03	2.55E-03
1975	569745.8	4215275	4.51E-02	6.89E-03	3.11E-03
1976	569746.2	4215285	4.33E-02	6.61E-03	2.98E-03
1977	569746.5	4215294	4.18E-02	6.39E-03	2.88E-03
1978	569746.8	4215304	4.05E-02	6.18E-03	2.79E-03
1979	569747.1	4215314	3.92E-02	5.99E-03	2.70E-03
1980	569747.4	4215323	3.84E-02	5.86E-03	2.64E-03
1981	569747.7	4215333	3.75E-02	5.73E-03	2.58E-03
1982	569748	4215343	3.66E-02	5.58E-03	2.52E-03
1983	569748.4	4215352	3.58E-02	5.47E-03	2.47E-03
1984	569735.2	4215256	4.75E-02	7.26E-03	3.28E-03
1985	569735.5	4215266	4.51E-02	6.89E-03	3.11E-03
1986	569735.8	4215275	4.31E-02	6.58E-03	2.97E-03
1987	569736.2	4215285	4.13E-02	6.31E-03	2.85E-03
1988	569736.5	4215295	4.01E-02	6.12E-03	2.76E-03
1989	569736.8	4215304	3.89E-02	5.93E-03	2.68E-03
1990	569737.1	4215314	3.77E-02	5.76E-03	2.60E-03
1991	569737.4	4215324	3.68E-02	5.63E-03	2.54E-03
1992	569737.7	4215333	3.60E-02	5.50E-03	2.48E-03
1993	569738.1	4215343	3.50E-02	5.35E-03	2.41E-03
1994	569738.4	4215353	3.43E-02	5.24E-03	2.37E-03
1995	569724.6	4215237	5.14E-02	7.85E-03	3.54E-03
1996	569724.9	4215247	4.82E-02	7.36E-03	3.32E-03
1997	569725.2	4215256	4.54E-02	6.94E-03	3.13E-03
1998	569725.5	4215266	4.31E-02	6.58E-03	2.97E-03
1999	569725.9	4215276	4.12E-02	6.29E-03	2.84E-03
2000	569726.2	4215285	3.95E-02	6.03E-03	2.72E-03
2001	569726.5	4215295	3.84E-02	5.86E-03	2.64E-03
2002	569726.8	4215305	3.73E-02	5.70E-03	2.57E-03
2003	569727.1	4215314	3.62E-02	5.53E-03	2.50E-03
2004	569727.4	4215324	3.54E-02	5.41E-03	2.44E-03
2005	569727.7	4215334	3.46E-02	5.28E-03	2.38E-03
2006	569728.1	4215343	3.36E-02	5.13E-03	2.32E-03
2007	569728.4	4215353	3.29E-02	5.03E-03	2.27E-03
2008	569728.7	4215363	3.24E-02	4.95E-03	2.23E-03
2009	569714	4215218	5.39E-02	8.22E-03	3.71E-03
2010	569714.3	4215228	5.31E-02	8.11E-03	3.66E-03
2011	569714.6	4215237	4.98E-02	7.61E-03	3.43E-03
2012	569714.9	4215247	4.68E-02	7.14E-03	3.22E-03
2013	569715.2	4215257	4.41E-02	6.74E-03	3.04E-03
2014	569715.5	4215266	4.18E-02	6.39E-03	2.88E-03
2015	569715.9	4215276	3.99E-02	6.09E-03	2.75E-03
2016	569716.2	4215286	3.82E-02	5.84E-03	2.63E-03
2017	569716.5	4215295	3.71E-02	5.66E-03	2.56E-03
2018	569716.8	4215305	3.60E-02	5.50E-03	2.48E-03
2019	569717.1	4215315	3.50E-02	5.34E-03	2.41E-03
2020	569717.4	4215324	3.41E-02	5.21E-03	2.35E-03
2021	569717.7	4215334	3.33E-02	5.08E-03	2.29E-03
2022	569718.1	4215344	3.23E-02	4.93E-03	2.23E-03

2023	569718.4	4215353	3.16E-02	4.83E-03	2.18E-03
2024	569718.7	4215363	3.11E-02	4.75E-03	2.15E-03
2025	569719	4215373	3.06E-02	4.68E-03	2.11E-03
2026	569719.3	4215382	3.04E-02	4.65E-03	2.10E-03
2027	569709.1	4215385	2.91E-02	4.45E-03	2.01E-03
2028	569699.1	4215385	2.79E-02	4.26E-03	1.92E-03
2029	569702.4	4215377	2.84E-02	4.34E-03	1.96E-03
2030	569705.6	4215368	2.93E-02	4.47E-03	2.02E-03
2031	569708.9	4215360	3.02E-02	4.60E-03	2.08E-03
2032	569689.3	4215385	2.69E-02	4.10E-03	1.85E-03
2033	569692.7	4215376	2.74E-02	4.18E-03	1.89E-03
2034	569696.1	4215367	2.83E-02	4.32E-03	1.95E-03
2035	569699.6	4215358	2.92E-02	4.46E-03	2.01E-03
2036	569703	4215349	3.01E-02	4.60E-03	2.08E-03
2037	569706.5	4215340	3.13E-02	4.78E-03	2.16E-03
2038	569679.2	4215386	2.59E-02	3.96E-03	1.79E-03
2039	569682.6	4215377	2.65E-02	4.05E-03	1.83E-03
2040	569686	4215368	2.73E-02	4.18E-03	1.88E-03
2041	569689.4	4215359	2.82E-02	4.30E-03	1.94E-03
2042	569692.8	4215350	2.90E-02	4.43E-03	2.00E-03
2043	569696.2	4215341	3.01E-02	4.59E-03	2.07E-03
2044	569699.6	4215332	3.13E-02	4.79E-03	2.16E-03
2045	569703	4215324	3.26E-02	4.97E-03	2.24E-03
2046	569706.4	4215315	3.38E-02	5.16E-03	2.33E-03
2047	569669.2	4215386	2.50E-02	3.82E-03	1.72E-03
2048	569672.6	4215377	2.57E-02	3.92E-03	1.77E-03
2049	569675.9	4215368	2.65E-02	4.05E-03	1.83E-03
2050	569679.3	4215360	2.74E-02	4.18E-03	1.88E-03
2051	569682.7	4215351	2.82E-02	4.30E-03	1.94E-03
2052	569686.1	4215342	2.91E-02	4.45E-03	2.01E-03
2053	569689.4	4215333	3.03E-02	4.62E-03	2.09E-03
2054	569692.8	4215325	3.14E-02	4.79E-03	2.16E-03
2055	569696.2	4215316	3.25E-02	4.97E-03	2.24E-03
2056	569699.5	4215307	3.39E-02	5.18E-03	2.34E-03
2057	569702.9	4215298	3.53E-02	5.39E-03	2.43E-03
2058	569706.3	4215290	3.67E-02	5.60E-03	2.53E-03
2059	569659.2	4215386	2.41E-02	3.68E-03	1.66E-03
2060	569662.5	4215378	2.48E-02	3.79E-03	1.71E-03
2061	569665.9	4215369	2.57E-02	3.93E-03	1.77E-03
2062	569669.2	4215360	2.66E-02	4.06E-03	1.83E-03
2063	569672.5	4215352	2.74E-02	4.18E-03	1.89E-03
2064	569675.9	4215343	2.83E-02	4.32E-03	1.95E-03
2065	569679.2	4215334	2.93E-02	4.48E-03	2.02E-03
2066	569682.6	4215326	3.04E-02	4.64E-03	2.10E-03
2067	569685.9	4215317	3.15E-02	4.81E-03	2.17E-03
2068	569689.2	4215308	3.28E-02	5.01E-03	2.26E-03
2069	569692.6	4215299	3.41E-02	5.21E-03	2.35E-03
2070	569695.9	4215291	3.55E-02	5.42E-03	2.45E-03
2071	569699.2	4215282	3.71E-02	5.66E-03	2.56E-03
2072	569702.6	4215273	3.90E-02	5.96E-03	2.69E-03
2073	569705.9	4215265	4.12E-02	6.29E-03	2.84E-03
2074	569649.2	4215387	2.31E-02	3.53E-03	1.60E-03

2075	569652.5	4215378	2.39E-02	3.65E-03	1.65E-03
2076	569655.8	4215369	2.48E-02	3.79E-03	1.71E-03
2077	569659.1	4215361	2.58E-02	3.93E-03	1.78E-03
2078	569662.4	4215352	2.66E-02	4.07E-03	1.83E-03
2079	569665.7	4215344	2.75E-02	4.20E-03	1.89E-03
2080	569669	4215335	2.85E-02	4.35E-03	1.96E-03
2081	569672.3	4215326	2.95E-02	4.50E-03	2.03E-03
2082	569675.7	4215318	3.05E-02	4.66E-03	2.10E-03
2083	569679	4215309	3.18E-02	4.85E-03	2.19E-03
2084	569682.3	4215301	3.32E-02	5.07E-03	2.29E-03
2085	569685.6	4215292	3.46E-02	5.28E-03	2.38E-03
2086	569688.9	4215283	3.61E-02	5.51E-03	2.48E-03
2087	569692.2	4215275	3.78E-02	5.78E-03	2.61E-03
2088	569695.5	4215266	3.99E-02	6.09E-03	2.75E-03
2089	569698.8	4215257	4.23E-02	6.45E-03	2.91E-03
2090	569702.2	4215249	4.48E-02	6.84E-03	3.09E-03
2091	569705.5	4215240	4.77E-02	7.28E-03	3.29E-03
2092	569639.3	4215387	2.23E-02	3.41E-03	1.54E-03
2093	569642.7	4215378	2.31E-02	3.53E-03	1.59E-03
2094	569646.2	4215369	2.41E-02	3.68E-03	1.66E-03
2095	569649.6	4215360	2.51E-02	3.83E-03	1.73E-03
2096	569653.1	4215351	2.60E-02	3.98E-03	1.79E-03
2097	569656.5	4215342	2.70E-02	4.12E-03	1.86E-03
2098	569660	4215333	2.81E-02	4.28E-03	1.93E-03
2099	569663.4	4215324	2.90E-02	4.43E-03	2.00E-03
2100	569666.9	4215315	3.01E-02	4.59E-03	2.07E-03
2101	569670.3	4215306	3.15E-02	4.81E-03	2.17E-03
2102	569673.7	4215297	3.30E-02	5.05E-03	2.28E-03
2103	569677.2	4215288	3.46E-02	5.29E-03	2.39E-03
2104	569680.6	4215279	3.63E-02	5.54E-03	2.50E-03
2105	569684.1	4215270	3.82E-02	5.83E-03	2.63E-03
2106	569687.5	4215261	4.03E-02	6.16E-03	2.78E-03
2107	569691	4215252	4.28E-02	6.53E-03	2.95E-03
2108	569694.4	4215243	4.55E-02	6.94E-03	3.13E-03
2109	569697.9	4215234	4.85E-02	7.40E-03	3.34E-03
2110	569701.3	4215225	5.15E-02	7.87E-03	3.55E-03
2111	569704.7	4215216	5.20E-02	7.94E-03	3.58E-03
2112	569629.3	4215387	2.15E-02	3.29E-03	1.48E-03
2113	569632.7	4215378	2.23E-02	3.41E-03	1.54E-03
2114	569636.1	4215369	2.33E-02	3.56E-03	1.61E-03
2115	569639.5	4215360	2.43E-02	3.71E-03	1.67E-03
2116	569642.9	4215352	2.53E-02	3.86E-03	1.74E-03
2117	569646.3	4215343	2.63E-02	4.01E-03	1.81E-03
2118	569649.8	4215334	2.73E-02	4.17E-03	1.88E-03
2119	569653.2	4215325	2.83E-02	4.33E-03	1.95E-03
2120	569656.6	4215316	2.93E-02	4.47E-03	2.02E-03
2121	569660	4215307	3.07E-02	4.69E-03	2.11E-03
2122	569663.4	4215298	3.22E-02	4.91E-03	2.22E-03
2123	569666.8	4215289	3.38E-02	5.17E-03	2.33E-03
2124	569670.2	4215280	3.55E-02	5.42E-03	2.44E-03
2125	569673.7	4215272	3.72E-02	5.68E-03	2.56E-03
2126	569677.1	4215263	3.92E-02	5.98E-03	2.70E-03

2127	569680.5	4215254	4.14E-02	6.32E-03	2.85E-03
2128	569683.9	4215245	4.36E-02	6.66E-03	3.01E-03
2129	569687.3	4215236	4.63E-02	7.07E-03	3.19E-03
2130	569690.7	4215227	4.94E-02	7.54E-03	3.40E-03
2131	569694.1	4215218	5.01E-02	7.64E-03	3.45E-03
2132	569697.6	4215209	5.03E-02	7.69E-03	3.47E-03
2133	569625.9	4215396	2.07E-02	3.16E-03	1.43E-03
2134	569619.3	4215387	2.08E-02	3.18E-03	1.43E-03
2135	569622.6	4215379	2.16E-02	3.30E-03	1.49E-03
2136	569626	4215370	2.25E-02	3.44E-03	1.55E-03
2137	569629.4	4215361	2.35E-02	3.59E-03	1.62E-03
2138	569632.8	4215352	2.45E-02	3.74E-03	1.69E-03
2139	569636.2	4215343	2.55E-02	3.90E-03	1.76E-03
2140	569639.6	4215335	2.66E-02	4.07E-03	1.84E-03
2141	569643	4215326	2.77E-02	4.23E-03	1.91E-03
2142	569646.3	4215317	2.87E-02	4.39E-03	1.98E-03
2143	569649.7	4215308	3.01E-02	4.59E-03	2.07E-03
2144	569653.1	4215299	3.16E-02	4.82E-03	2.17E-03
2145	569656.5	4215291	3.32E-02	5.06E-03	2.29E-03
2146	569659.9	4215282	3.48E-02	5.31E-03	2.40E-03
2147	569663.3	4215273	3.63E-02	5.55E-03	2.50E-03
2148	569666.7	4215264	3.81E-02	5.82E-03	2.63E-03
2149	569670.1	4215255	4.01E-02	6.13E-03	2.77E-03
2150	569673.4	4215246	4.20E-02	6.42E-03	2.90E-03
2151	569676.8	4215238	4.42E-02	6.75E-03	3.05E-03
2152	569680.2	4215229	4.68E-02	7.14E-03	3.22E-03
2153	569683.6	4215220	4.76E-02	7.27E-03	3.28E-03
2154	569687	4215211	4.78E-02	7.29E-03	3.29E-03
2155	569690.4	4215202	4.81E-02	7.34E-03	3.31E-03
2156	569615.9	4215396	2.00E-02	3.06E-03	1.38E-03
2157	569616.2	4215406	1.94E-02	2.96E-03	1.34E-03
2158	569616.5	4215416	1.89E-02	2.88E-03	1.30E-03
2159	569609.2	4215388	2.01E-02	3.08E-03	1.39E-03
2160	569612.6	4215379	2.09E-02	3.20E-03	1.44E-03
2161	569616	4215370	2.18E-02	3.33E-03	1.50E-03
2162	569619.3	4215362	2.28E-02	3.48E-03	1.57E-03
2163	569622.7	4215353	2.38E-02	3.63E-03	1.64E-03
2164	569626	4215344	2.48E-02	3.78E-03	1.71E-03
2165	569629.4	4215335	2.59E-02	3.96E-03	1.79E-03
2166	569632.8	4215327	2.71E-02	4.14E-03	1.87E-03
2167	569636.1	4215318	2.83E-02	4.31E-03	1.95E-03
2168	569639.5	4215309	2.96E-02	4.51E-03	2.04E-03
2169	569642.8	4215300	3.10E-02	4.73E-03	2.14E-03
2170	569646.2	4215292	3.26E-02	4.97E-03	2.24E-03
2171	569649.6	4215283	3.41E-02	5.21E-03	2.35E-03
2172	569652.9	4215274	3.56E-02	5.43E-03	2.45E-03
2173	569656.3	4215265	3.72E-02	5.68E-03	2.56E-03
2174	569659.7	4215257	3.90E-02	5.96E-03	2.69E-03
2175	569663	4215248	4.06E-02	6.20E-03	2.80E-03
2176	569666.4	4215239	4.24E-02	6.47E-03	2.92E-03
2177	569669.7	4215230	4.45E-02	6.79E-03	3.06E-03
2178	569673.1	4215222	4.54E-02	6.93E-03	3.13E-03

2179	569676.5	4215213	4.52E-02	6.90E-03	3.12E-03
2180	569679.8	4215204	4.52E-02	6.90E-03	3.11E-03
2181	569683.2	4215195	4.52E-02	6.90E-03	3.11E-03
2182	569695.1	4215183	4.53E-02	6.92E-03	3.12E-03
2183	569605.9	4215397	1.93E-02	2.95E-03	1.33E-03
2184	569606.2	4215406	1.87E-02	2.86E-03	1.29E-03
2185	569606.5	4215416	1.83E-02	2.79E-03	1.26E-03
2186	569606.8	4215426	1.78E-02	2.72E-03	1.23E-03
2187	569599.2	4215388	1.95E-02	2.98E-03	1.34E-03
2188	569602.6	4215379	2.03E-02	3.10E-03	1.40E-03
2189	569605.9	4215371	2.12E-02	3.23E-03	1.46E-03
2190	569609.2	4215362	2.21E-02	3.37E-03	1.52E-03
2191	569612.6	4215353	2.30E-02	3.52E-03	1.59E-03
2192	569615.9	4215345	2.40E-02	3.67E-03	1.66E-03
2193	569619.2	4215336	2.52E-02	3.85E-03	1.74E-03
2194	569622.6	4215327	2.64E-02	4.03E-03	1.82E-03
2195	569625.9	4215319	2.76E-02	4.22E-03	1.90E-03
2196	569629.3	4215310	2.90E-02	4.42E-03	2.00E-03
2197	569632.6	4215301	3.05E-02	4.65E-03	2.10E-03
2198	569635.9	4215293	3.20E-02	4.89E-03	2.21E-03
2199	569639.3	4215284	3.36E-02	5.13E-03	2.32E-03
2200	569642.6	4215275	3.49E-02	5.33E-03	2.41E-03
2201	569646	4215267	3.64E-02	5.55E-03	2.51E-03
2202	569649.3	4215258	3.80E-02	5.80E-03	2.62E-03
2203	569652.6	4215249	3.92E-02	5.98E-03	2.70E-03
2204	569656	4215241	4.05E-02	6.19E-03	2.79E-03
2205	569659.3	4215232	4.22E-02	6.44E-03	2.91E-03
2206	569662.6	4215223	4.34E-02	6.63E-03	2.99E-03
2207	569666	4215214	4.30E-02	6.56E-03	2.96E-03
2208	569669.3	4215206	4.26E-02	6.51E-03	2.94E-03
2209	569672.7	4215197	4.24E-02	6.48E-03	2.92E-03
2210	569676	4215188	4.18E-02	6.38E-03	2.88E-03
2211	569687.9	4215176	4.19E-02	6.39E-03	2.89E-03
2212	569595.9	4215397	1.87E-02	2.86E-03	1.29E-03
2213	569596.2	4215407	1.81E-02	2.77E-03	1.25E-03
2214	569596.5	4215416	1.77E-02	2.70E-03	1.22E-03
2215	569596.8	4215426	1.73E-02	2.64E-03	1.19E-03
2216	569597.1	4215435	1.68E-02	2.57E-03	1.16E-03
2217	569589.3	4215388	1.89E-02	2.89E-03	1.31E-03
2218	569592.8	4215379	1.97E-02	3.01E-03	1.36E-03
2219	569596.2	4215370	2.06E-02	3.15E-03	1.42E-03
2220	569599.7	4215361	2.16E-02	3.29E-03	1.49E-03
2221	569603.1	4215352	2.25E-02	3.44E-03	1.55E-03
2222	569606.6	4215343	2.36E-02	3.60E-03	1.63E-03
2223	569610	4215334	2.48E-02	3.79E-03	1.71E-03
2224	569613.5	4215325	2.61E-02	3.99E-03	1.80E-03
2225	569616.9	4215316	2.74E-02	4.19E-03	1.89E-03
2226	569620.4	4215307	2.89E-02	4.41E-03	1.99E-03
2227	569623.8	4215298	3.04E-02	4.64E-03	2.10E-03
2228	569627.3	4215289	3.21E-02	4.90E-03	2.21E-03
2229	569630.7	4215281	3.35E-02	5.12E-03	2.31E-03
2230	569634.2	4215272	3.50E-02	5.35E-03	2.41E-03

2231	569637.6	4215263	3.64E-02	5.56E-03	2.51E-03
2232	569641.1	4215254	3.77E-02	5.76E-03	2.60E-03
2233	569644.5	4215245	3.85E-02	5.89E-03	2.66E-03
2234	569648	4215236	3.96E-02	6.05E-03	2.73E-03
2235	569651.4	4215227	4.10E-02	6.26E-03	2.83E-03
2236	569654.9	4215218	4.10E-02	6.26E-03	2.83E-03
2237	569658.3	4215209	4.07E-02	6.21E-03	2.80E-03
2238	569661.8	4215200	4.02E-02	6.13E-03	2.77E-03
2239	569665.2	4215191	3.96E-02	6.05E-03	2.73E-03
2240	569668.7	4215182	3.91E-02	5.97E-03	2.69E-03
2241	569680.9	4215169	3.92E-02	5.98E-03	2.70E-03
2242	569585.9	4215397	1.82E-02	2.78E-03	1.25E-03
2243	569586.2	4215407	1.76E-02	2.69E-03	1.21E-03
2244	569586.5	4215416	1.72E-02	2.62E-03	1.18E-03
2245	569586.8	4215426	1.68E-02	2.56E-03	1.15E-03
2246	569587.1	4215436	1.63E-02	2.50E-03	1.13E-03
2247	569918.2	4215544	2.77E-02	4.23E-03	1.91E-03
2248	569927.5	4215543	2.82E-02	4.31E-03	1.94E-03
2249	569936.8	4215541	2.87E-02	4.39E-03	1.98E-03
2250	569946.1	4215539	2.93E-02	4.47E-03	2.02E-03
2251	569955.4	4215538	2.99E-02	4.57E-03	2.06E-03
2252	569964.8	4215536	3.06E-02	4.67E-03	2.11E-03
2253	569974.1	4215534	3.14E-02	4.79E-03	2.16E-03
2254	569983.4	4215533	3.23E-02	4.93E-03	2.22E-03
2255	569992.7	4215531	3.32E-02	5.07E-03	2.29E-03
2256	570002	4215529	3.42E-02	5.23E-03	2.36E-03
2257	570011.3	4215527	3.53E-02	5.39E-03	2.43E-03
2258	570020.6	4215526	3.63E-02	5.55E-03	2.50E-03
2259	569911.2	4215552	2.60E-02	3.96E-03	1.79E-03
2260	569902.5	4215550	2.64E-02	4.03E-03	1.82E-03
2261	569929.3	4215552	2.59E-02	3.96E-03	1.79E-03
2262	569938.6	4215551	2.63E-02	4.02E-03	1.81E-03
2263	569947.9	4215549	2.68E-02	4.09E-03	1.85E-03
2264	569957.2	4215547	2.73E-02	4.17E-03	1.88E-03
2265	569966.5	4215546	2.79E-02	4.26E-03	1.92E-03
2266	569975.8	4215544	2.85E-02	4.35E-03	1.96E-03
2267	569985.2	4215542	2.92E-02	4.46E-03	2.01E-03
2268	569994.5	4215541	3.00E-02	4.58E-03	2.07E-03
2269	570003.8	4215539	3.08E-02	4.70E-03	2.12E-03
2270	570013.1	4215537	3.16E-02	4.83E-03	2.18E-03
2271	570022.4	4215536	3.25E-02	4.96E-03	2.24E-03
2272	569913	4215562	2.39E-02	3.66E-03	1.65E-03
2273	569895.7	4215557	2.48E-02	3.78E-03	1.71E-03
2274	569878.3	4215553	2.56E-02	3.91E-03	1.76E-03
2275	569921.7	4215564	2.35E-02	3.59E-03	1.62E-03
2276	569931	4215562	2.39E-02	3.64E-03	1.64E-03
2277	569940.3	4215561	2.42E-02	3.70E-03	1.67E-03
2278	569949.7	4215559	2.46E-02	3.75E-03	1.69E-03
2279	569959	4215557	2.50E-02	3.82E-03	1.72E-03
2280	569968.3	4215556	2.55E-02	3.89E-03	1.76E-03
2281	569977.6	4215554	2.60E-02	3.97E-03	1.79E-03
2282	569986.9	4215552	2.66E-02	4.06E-03	1.83E-03

2283	569996.2	4215551	2.72E-02	4.15E-03	1.87E-03
2284	570005.6	4215549	2.78E-02	4.24E-03	1.92E-03
2285	570014.9	4215547	2.85E-02	4.35E-03	1.96E-03
2286	570024.2	4215546	2.91E-02	4.45E-03	2.01E-03
2287	570033.5	4215544	2.97E-02	4.54E-03	2.05E-03
2288	569914.8	4215572	2.21E-02	3.38E-03	1.52E-03
2289	569897.6	4215567	2.29E-02	3.50E-03	1.58E-03
2290	569880.3	4215563	2.37E-02	3.62E-03	1.63E-03
2291	569863	4215558	2.44E-02	3.73E-03	1.68E-03
2292	569923.5	4215574	2.17E-02	3.32E-03	1.50E-03
2293	569932.8	4215572	2.20E-02	3.36E-03	1.52E-03
2294	569942.1	4215570	2.23E-02	3.41E-03	1.54E-03
2295	569951.4	4215569	2.26E-02	3.46E-03	1.56E-03
2296	569960.7	4215567	2.30E-02	3.51E-03	1.58E-03
2297	569970.1	4215565	2.34E-02	3.57E-03	1.61E-03
2298	569979.4	4215564	2.38E-02	3.63E-03	1.64E-03
2299	569988.7	4215562	2.42E-02	3.70E-03	1.67E-03
2300	569998	4215560	2.47E-02	3.77E-03	1.70E-03
2301	570007.3	4215559	2.52E-02	3.85E-03	1.74E-03
2302	570016.6	4215557	2.58E-02	3.93E-03	1.78E-03
2303	570026	4215555	2.63E-02	4.02E-03	1.81E-03
2304	569916.7	4215581	2.05E-02	3.13E-03	1.41E-03
2305	569899.4	4215577	2.12E-02	3.24E-03	1.46E-03
2306	569882.2	4215573	2.20E-02	3.35E-03	1.51E-03
2307	569865	4215568	2.27E-02	3.46E-03	1.56E-03
2308	569847.8	4215564	2.33E-02	3.56E-03	1.61E-03
2309	569830.6	4215559	2.30E-02	3.51E-03	1.59E-03
2310	569934.6	4215582	2.04E-02	3.11E-03	1.40E-03
2311	569943.9	4215580	2.06E-02	3.15E-03	1.42E-03
2312	569953.2	4215579	2.09E-02	3.19E-03	1.44E-03
2313	569962.5	4215577	2.12E-02	3.24E-03	1.46E-03
2314	569971.8	4215575	2.15E-02	3.29E-03	1.48E-03
2315	569981.1	4215574	2.18E-02	3.33E-03	1.50E-03
2316	569990.5	4215572	2.22E-02	3.39E-03	1.53E-03
2317	569999.8	4215570	2.26E-02	3.45E-03	1.56E-03
2318	570009.1	4215569	2.30E-02	3.52E-03	1.59E-03
2319	570065	4215558	2.60E-02	3.96E-03	1.79E-03
2320	570074.3	4215557	2.67E-02	4.07E-03	1.84E-03
2321	570083.6	4215555	2.74E-02	4.19E-03	1.89E-03
2322	569917.9	4215591	1.90E-02	2.91E-03	1.31E-03
2323	569908.7	4215589	1.94E-02	2.96E-03	1.34E-03
2324	569899.6	4215586	1.98E-02	3.02E-03	1.36E-03
2325	569890.5	4215584	2.02E-02	3.08E-03	1.39E-03
2326	569881.3	4215582	2.05E-02	3.13E-03	1.41E-03
2327	569872.2	4215579	2.09E-02	3.19E-03	1.44E-03
2328	569863	4215577	2.12E-02	3.24E-03	1.46E-03
2329	569853.9	4215575	2.16E-02	3.29E-03	1.49E-03
2330	569844.8	4215572	2.19E-02	3.35E-03	1.51E-03
2331	569835.6	4215570	2.14E-02	3.27E-03	1.48E-03
2332	569826.5	4215568	2.16E-02	3.30E-03	1.49E-03
2333	569817.3	4215565	2.18E-02	3.34E-03	1.51E-03
2334	569808.2	4215563	2.20E-02	3.37E-03	1.52E-03

2335	569927	4215593	1.87E-02	2.85E-03	1.29E-03
2336	569936.3	4215592	1.89E-02	2.88E-03	1.30E-03
2337	569945.7	4215590	1.91E-02	2.92E-03	1.32E-03
2338	569955	4215588	1.94E-02	2.95E-03	1.33E-03
2339	569964.3	4215587	1.96E-02	2.99E-03	1.35E-03
2340	569973.6	4215585	1.99E-02	3.03E-03	1.37E-03
2341	569982.9	4215583	2.01E-02	3.07E-03	1.39E-03
2342	569992.2	4215582	2.04E-02	3.12E-03	1.41E-03
2343	570048.1	4215572	2.28E-02	3.48E-03	1.57E-03
2344	570057.4	4215570	2.32E-02	3.55E-03	1.60E-03
2345	570066.8	4215568	2.38E-02	3.64E-03	1.64E-03
2346	570076.1	4215567	2.45E-02	3.74E-03	1.69E-03
2347	570085.4	4215565	2.52E-02	3.84E-03	1.73E-03
2348	569919.7	4215601	1.77E-02	2.71E-03	1.22E-03
2349	569910.6	4215599	1.81E-02	2.76E-03	1.24E-03
2350	569901.6	4215596	1.84E-02	2.81E-03	1.27E-03
2351	569892.5	4215594	1.88E-02	2.86E-03	1.29E-03
2352	569883.4	4215592	1.91E-02	2.92E-03	1.32E-03
2353	569874.4	4215589	1.94E-02	2.97E-03	1.34E-03
2354	569865.3	4215587	1.98E-02	3.02E-03	1.36E-03
2355	569856.2	4215585	2.01E-02	3.07E-03	1.39E-03
2356	569847.1	4215582	2.04E-02	3.12E-03	1.41E-03
2357	569838.1	4215580	2.07E-02	3.17E-03	1.43E-03
2358	569829	4215578	2.02E-02	3.09E-03	1.39E-03
2359	569819.9	4215575	2.04E-02	3.12E-03	1.41E-03
2360	569810.8	4215573	2.06E-02	3.15E-03	1.42E-03
2361	569801.8	4215571	2.08E-02	3.17E-03	1.43E-03
2362	569792.7	4215568	2.10E-02	3.20E-03	1.45E-03
2363	569928.8	4215603	1.74E-02	2.66E-03	1.20E-03
2364	569938.1	4215602	1.76E-02	2.68E-03	1.21E-03
2365	569947.4	4215600	1.78E-02	2.71E-03	1.22E-03
2366	569956.7	4215598	1.80E-02	2.75E-03	1.24E-03
2367	569966.1	4215597	1.82E-02	2.78E-03	1.25E-03
2368	569975.4	4215595	1.84E-02	2.81E-03	1.27E-03
2369	570031.3	4215585	2.02E-02	3.08E-03	1.39E-03
2370	570040.6	4215583	2.06E-02	3.14E-03	1.42E-03
2371	570049.9	4215582	2.10E-02	3.21E-03	1.45E-03
2372	570059.2	4215580	2.15E-02	3.28E-03	1.48E-03
2373	570068.5	4215578	2.20E-02	3.36E-03	1.52E-03
2374	570077.8	4215576	2.26E-02	3.45E-03	1.56E-03
2375	570087.2	4215575	2.32E-02	3.54E-03	1.60E-03
2376	569921.6	4215611	1.66E-02	2.53E-03	1.14E-03
2377	569912.5	4215609	1.69E-02	2.57E-03	1.16E-03
2378	569903.5	4215606	1.72E-02	2.62E-03	1.18E-03
2379	569894.5	4215604	1.75E-02	2.67E-03	1.20E-03
2380	569885.5	4215602	1.78E-02	2.72E-03	1.23E-03
2381	569876.5	4215599	1.81E-02	2.77E-03	1.25E-03
2382	569867.5	4215597	1.84E-02	2.82E-03	1.27E-03
2383	569858.5	4215595	1.88E-02	2.86E-03	1.29E-03
2384	569849.4	4215592	1.91E-02	2.91E-03	1.31E-03
2385	569840.4	4215590	1.94E-02	2.96E-03	1.33E-03
2386	569831.4	4215588	1.97E-02	3.00E-03	1.35E-03

2387	569822.4	4215585	1.91E-02	2.92E-03	1.32E-03
2388	569813.4	4215583	1.93E-02	2.94E-03	1.33E-03
2389	569804.4	4215581	1.95E-02	2.97E-03	1.34E-03
2390	569795.4	4215578	1.97E-02	3.00E-03	1.35E-03
2391	569786.3	4215576	1.98E-02	3.03E-03	1.37E-03
2392	569930.6	4215613	1.62E-02	2.48E-03	1.12E-03
2393	569939.9	4215611	1.64E-02	2.51E-03	1.13E-03
2394	569949.2	4215610	1.66E-02	2.53E-03	1.14E-03
2395	570005.1	4215600	1.78E-02	2.72E-03	1.23E-03
2396	570014.4	4215598	1.81E-02	2.76E-03	1.25E-03
2397	570023.7	4215596	1.84E-02	2.81E-03	1.27E-03
2398	570033	4215595	1.87E-02	2.86E-03	1.29E-03
2399	570042.3	4215593	1.91E-02	2.92E-03	1.32E-03
2400	570051.7	4215591	1.95E-02	2.98E-03	1.34E-03
2401	570061	4215590	1.99E-02	3.04E-03	1.37E-03
2402	570070.3	4215588	2.04E-02	3.11E-03	1.41E-03
2403	570079.6	4215586	2.09E-02	3.19E-03	1.44E-03
2404	570088.9	4215585	2.15E-02	3.28E-03	1.48E-03
2405	569923.4	4215621	1.55E-02	2.37E-03	1.07E-03
2406	569914.4	4215618	1.58E-02	2.41E-03	1.09E-03
2407	569905.5	4215616	1.61E-02	2.45E-03	1.11E-03
2408	569896.5	4215614	1.63E-02	2.50E-03	1.13E-03
2409	569887.5	4215611	1.66E-02	2.54E-03	1.15E-03
2410	569878.6	4215609	1.69E-02	2.59E-03	1.17E-03
2411	569869.6	4215607	1.72E-02	2.63E-03	1.19E-03
2412	569860.6	4215605	1.75E-02	2.68E-03	1.21E-03
2413	569851.7	4215602	1.78E-02	2.72E-03	1.23E-03
2414	569842.7	4215600	1.81E-02	2.76E-03	1.25E-03
2415	569833.8	4215598	1.84E-02	2.81E-03	1.27E-03
2416	569824.8	4215595	1.87E-02	2.85E-03	1.29E-03
2417	569815.8	4215593	1.81E-02	2.77E-03	1.25E-03
2418	569806.9	4215591	1.83E-02	2.79E-03	1.26E-03
2419	569797.9	4215588	1.85E-02	2.82E-03	1.27E-03
2420	569789	4215586	1.86E-02	2.85E-03	1.28E-03
2421	569932.3	4215623	1.52E-02	2.33E-03	1.05E-03
2422	569988.2	4215613	1.62E-02	2.48E-03	1.12E-03
2423	569997.5	4215611	1.64E-02	2.51E-03	1.13E-03
2424	570006.9	4215610	1.66E-02	2.54E-03	1.15E-03
2425	570016.2	4215608	1.69E-02	2.57E-03	1.16E-03
2426	570025.5	4215606	1.71E-02	2.61E-03	1.18E-03
2427	570034.8	4215605	1.74E-02	2.66E-03	1.20E-03
2428	570044.1	4215603	1.78E-02	2.72E-03	1.23E-03
2429	570053.4	4215601	1.82E-02	2.78E-03	1.25E-03
2430	570062.7	4215600	1.86E-02	2.84E-03	1.28E-03
2431	570072.1	4215598	1.90E-02	2.91E-03	1.31E-03
2432	570081.4	4215596	1.95E-02	2.98E-03	1.34E-03
2433	570090.7	4215595	2.00E-02	3.06E-03	1.38E-03
2434	569925.2	4215631	1.46E-02	2.22E-03	1.00E-03
2435	569916.3	4215628	1.48E-02	2.26E-03	1.02E-03
2436	569907.4	4215626	1.51E-02	2.30E-03	1.04E-03
2437	569898.5	4215624	1.53E-02	2.34E-03	1.06E-03
2438	569889.5	4215621	1.56E-02	2.38E-03	1.07E-03

2439	569880.6	4215619	1.58E-02	2.42E-03	1.09E-03
2440	569871.7	4215617	1.61E-02	2.46E-03	1.11E-03
2441	569862.8	4215615	1.64E-02	2.51E-03	1.13E-03
2442	569853.9	4215612	1.67E-02	2.55E-03	1.15E-03
2443	569845	4215610	1.70E-02	2.59E-03	1.17E-03
2444	569836.1	4215608	1.72E-02	2.63E-03	1.19E-03
2445	569827.1	4215605	1.75E-02	2.67E-03	1.21E-03
2446	569818.2	4215603	1.71E-02	2.61E-03	1.18E-03
2447	569809.3	4215601	1.72E-02	2.63E-03	1.19E-03
2448	569800.4	4215598	1.74E-02	2.65E-03	1.20E-03
2449	569791.5	4215596	1.75E-02	2.68E-03	1.21E-03
2450	569971.4	4215626	1.49E-02	2.27E-03	1.02E-03
2451	569980.7	4215624	1.50E-02	2.29E-03	1.04E-03
2452	569990	4215623	1.52E-02	2.32E-03	1.05E-03
2453	569999.3	4215621	1.54E-02	2.35E-03	1.06E-03
2454	570008.6	4215619	1.56E-02	2.38E-03	1.07E-03
2455	570017.9	4215618	1.58E-02	2.41E-03	1.09E-03
2456	570027.3	4215616	1.60E-02	2.44E-03	1.10E-03
2457	570036.6	4215614	1.63E-02	2.49E-03	1.12E-03
2458	570045.9	4215613	1.67E-02	2.55E-03	1.15E-03
2459	570055.2	4215611	1.70E-02	2.60E-03	1.17E-03
2460	570064.5	4215609	1.74E-02	2.66E-03	1.20E-03
2461	570073.8	4215608	1.78E-02	2.72E-03	1.23E-03
2462	570083.2	4215606	1.83E-02	2.79E-03	1.26E-03
2463	570092.5	4215604	1.88E-02	2.87E-03	1.29E-03
2464	569909.3	4215636	1.42E-02	2.16E-03	9.77E-04
2465	569900.4	4215634	1.44E-02	2.20E-03	9.93E-04
2466	569891.5	4215631	1.47E-02	2.24E-03	1.01E-03
2467	569882.6	4215629	1.49E-02	2.27E-03	1.03E-03
2468	569873.8	4215627	1.51E-02	2.31E-03	1.04E-03
2469	569864.9	4215624	1.54E-02	2.35E-03	1.06E-03
2470	569856	4215622	1.57E-02	2.39E-03	1.08E-03
2471	569847.2	4215620	1.59E-02	2.43E-03	1.10E-03
2472	569838.3	4215618	1.62E-02	2.47E-03	1.11E-03
2473	569829.4	4215615	1.64E-02	2.51E-03	1.13E-03
2474	569820.5	4215613	1.67E-02	2.54E-03	1.15E-03
2475	569811.7	4215611	1.62E-02	2.48E-03	1.12E-03
2476	569802.8	4215608	1.64E-02	2.50E-03	1.13E-03
2477	569945.2	4215641	1.36E-02	2.08E-03	9.38E-04
2478	569954.5	4215639	1.37E-02	2.09E-03	9.45E-04
2479	569963.8	4215638	1.38E-02	2.11E-03	9.53E-04
2480	569973.1	4215636	1.40E-02	2.13E-03	9.62E-04
2481	569982.5	4215634	1.41E-02	2.16E-03	9.73E-04
2482	569991.8	4215633	1.43E-02	2.18E-03	9.84E-04
2483	570001.1	4215631	1.45E-02	2.21E-03	9.96E-04
2484	570010.4	4215629	1.46E-02	2.24E-03	1.01E-03
2485	570019.7	4215628	1.48E-02	2.27E-03	1.02E-03
2486	570029	4215626	1.51E-02	2.30E-03	1.04E-03
2487	570038.3	4215624	1.54E-02	2.35E-03	1.06E-03
2488	570047.7	4215623	1.57E-02	2.39E-03	1.08E-03
2489	570057	4215621	1.60E-02	2.44E-03	1.10E-03
2490	570066.3	4215619	1.64E-02	2.50E-03	1.13E-03

2491	570075.6	4215618	1.67E-02	2.56E-03	1.15E-03
2492	570084.9	4215616	1.72E-02	2.62E-03	1.18E-03
2493	570094.2	4215614	1.76E-02	2.69E-03	1.22E-03
2494	569902.3	4215643	1.36E-02	2.07E-03	9.36E-04
2495	569893.5	4215641	1.38E-02	2.11E-03	9.51E-04
2496	569884.6	4215639	1.40E-02	2.14E-03	9.66E-04
2497	569875.8	4215637	1.42E-02	2.18E-03	9.82E-04
2498	569867	4215634	1.45E-02	2.21E-03	9.98E-04
2499	569858.1	4215632	1.47E-02	2.25E-03	1.01E-03
2500	569849.3	4215630	1.49E-02	2.28E-03	1.03E-03
2501	569840.5	4215628	1.52E-02	2.32E-03	1.05E-03
2502	569831.6	4215625	1.54E-02	2.35E-03	1.06E-03
2503	569822.8	4215623	1.57E-02	2.39E-03	1.08E-03
2504	569814	4215621	1.59E-02	2.43E-03	1.09E-03
2505	569937.6	4215653	1.28E-02	1.95E-03	8.79E-04
2506	569947	4215651	1.28E-02	1.96E-03	8.85E-04
2507	569956.3	4215649	1.29E-02	1.98E-03	8.91E-04
2508	569965.6	4215647	1.30E-02	1.99E-03	8.98E-04
2509	569974.9	4215646	1.32E-02	2.01E-03	9.07E-04
2510	569984.2	4215644	1.33E-02	2.03E-03	9.16E-04
2511	569993.5	4215642	1.35E-02	2.05E-03	9.27E-04
2512	570002.9	4215641	1.36E-02	2.08E-03	9.39E-04
2513	570012.2	4215639	1.38E-02	2.11E-03	9.52E-04
2514	570021.5	4215637	1.40E-02	2.14E-03	9.66E-04
2515	570030.8	4215636	1.42E-02	2.18E-03	9.82E-04
2516	570040.1	4215634	1.45E-02	2.21E-03	9.99E-04
2517	570049.4	4215632	1.48E-02	2.26E-03	1.02E-03
2518	570058.7	4215631	1.51E-02	2.30E-03	1.04E-03
2519	570068.1	4215629	1.54E-02	2.35E-03	1.06E-03
2520	570077.4	4215627	1.58E-02	2.41E-03	1.09E-03
2521	570086.7	4215626	1.62E-02	2.47E-03	1.11E-03
2522	570096	4215624	1.66E-02	2.54E-03	1.14E-03
2523	569930.6	4215660	1.23E-02	1.87E-03	8.44E-04
2524	569921.8	4215658	1.24E-02	1.90E-03	8.57E-04
2525	569895.4	4215651	1.30E-02	1.99E-03	8.97E-04
2526	569886.6	4215649	1.32E-02	2.02E-03	9.11E-04
2527	569877.8	4215647	1.34E-02	2.05E-03	9.25E-04
2528	569869	4215644	1.36E-02	2.08E-03	9.40E-04
2529	569860.2	4215642	1.39E-02	2.12E-03	9.55E-04
2530	569851.4	4215640	1.41E-02	2.15E-03	9.70E-04
2531	569842.6	4215637	1.43E-02	2.18E-03	9.85E-04
2532	569833.8	4215635	1.45E-02	2.22E-03	1.00E-03
2533	569816.2	4215631	1.49E-02	2.28E-03	1.03E-03
2534	569939.4	4215662	1.21E-02	1.84E-03	8.32E-04
2535	569948.7	4215661	1.22E-02	1.86E-03	8.37E-04
2536	569958	4215659	1.22E-02	1.87E-03	8.43E-04
2537	569967.4	4215657	1.23E-02	1.88E-03	8.50E-04
2538	569976.7	4215656	1.24E-02	1.90E-03	8.58E-04
2539	569986	4215654	1.26E-02	1.92E-03	8.67E-04
2540	569995.3	4215652	1.27E-02	1.94E-03	8.76E-04
2541	570004.6	4215651	1.29E-02	1.97E-03	8.88E-04
2542	570013.9	4215649	1.31E-02	2.00E-03	9.01E-04

2543	570023.3	4215647	1.33E-02	2.03E-03	9.15E-04
2544	570032.6	4215646	1.35E-02	2.06E-03	9.30E-04
2545	570041.9	4215644	1.37E-02	2.10E-03	9.46E-04
2546	570051.2	4215642	1.40E-02	2.13E-03	9.63E-04
2547	570060.5	4215641	1.43E-02	2.18E-03	9.83E-04
2548	570069.8	4215639	1.46E-02	2.22E-03	1.00E-03
2549	570079.1	4215637	1.49E-02	2.27E-03	1.03E-03
2550	570088.5	4215636	1.53E-02	2.33E-03	1.05E-03
2551	570097.8	4215634	1.57E-02	2.39E-03	1.08E-03
2552	569932	4215670	1.16E-02	1.77E-03	8.00E-04
2553	569922.9	4215667	1.18E-02	1.80E-03	8.12E-04
2554	569913.7	4215665	1.20E-02	1.83E-03	8.25E-04
2555	569877	4215656	1.27E-02	1.95E-03	8.78E-04
2556	569867.9	4215653	1.29E-02	1.98E-03	8.92E-04
2557	569858.7	4215651	1.32E-02	2.01E-03	9.07E-04
2558	569849.5	4215649	1.34E-02	2.04E-03	9.21E-04
2559	569840.4	4215646	1.36E-02	2.07E-03	9.36E-04
2560	569831.2	4215644	1.38E-02	2.11E-03	9.51E-04
2561	569941.2	4215672	1.14E-02	1.75E-03	7.89E-04
2562	569950.5	4215671	1.15E-02	1.76E-03	7.94E-04
2563	569959.8	4215669	1.16E-02	1.77E-03	8.00E-04
2564	569969.1	4215667	1.17E-02	1.79E-03	8.06E-04
2565	569978.4	4215665	1.18E-02	1.80E-03	8.13E-04
2566	569987.8	4215664	1.19E-02	1.82E-03	8.21E-04
2567	569997.1	4215662	1.21E-02	1.84E-03	8.30E-04
2568	570006.4	4215660	1.22E-02	1.86E-03	8.41E-04
2569	570015.7	4215659	1.24E-02	1.89E-03	8.52E-04
2570	570025	4215657	1.26E-02	1.92E-03	8.66E-04
2571	570034.3	4215655	1.28E-02	1.95E-03	8.80E-04
2572	570043.7	4215654	1.30E-02	1.98E-03	8.95E-04
2573	570053	4215652	1.32E-02	2.02E-03	9.12E-04
2574	570062.3	4215650	1.35E-02	2.06E-03	9.30E-04
2575	570071.6	4215649	1.38E-02	2.10E-03	9.50E-04
2576	570080.9	4215647	1.41E-02	2.15E-03	9.71E-04
2577	570090.2	4215645	1.44E-02	2.20E-03	9.94E-04
2578	570099.5	4215644	1.48E-02	2.26E-03	1.02E-03
2579	569933.8	4215680	1.10E-02	1.68E-03	7.60E-04
2580	569924.7	4215677	1.12E-02	1.71E-03	7.71E-04
2581	569915.6	4215675	1.13E-02	1.73E-03	7.82E-04
2582	569906.5	4215673	1.15E-02	1.76E-03	7.93E-04
2583	569870	4215663	1.22E-02	1.87E-03	8.44E-04
2584	569860.9	4215661	1.24E-02	1.90E-03	8.57E-04
2585	569851.8	4215659	1.26E-02	1.93E-03	8.70E-04
2586	569842.7	4215656	1.28E-02	1.96E-03	8.84E-04
2587	569833.6	4215654	1.30E-02	1.99E-03	8.97E-04
2588	569943	4215682	1.09E-02	1.66E-03	7.50E-04
2589	569952.3	4215680	1.09E-02	1.67E-03	7.54E-04
2590	569961.6	4215679	1.10E-02	1.68E-03	7.60E-04
2591	569970.9	4215677	1.11E-02	1.70E-03	7.66E-04
2592	569980.2	4215675	1.12E-02	1.71E-03	7.73E-04
2593	569989.5	4215674	1.13E-02	1.73E-03	7.80E-04
2594	569998.8	4215672	1.14E-02	1.75E-03	7.89E-04

2595	570008.2	4215670	1.16E-02	1.77E-03	7.98E-04
2596	570017.5	4215669	1.17E-02	1.79E-03	8.09E-04
2597	570026.8	4215667	1.19E-02	1.82E-03	8.20E-04
2598	570036.1	4215665	1.21E-02	1.85E-03	8.34E-04
2599	570045.4	4215664	1.23E-02	1.88E-03	8.49E-04
2600	570054.7	4215662	1.25E-02	1.92E-03	8.65E-04
2601	570064.1	4215660	1.28E-02	1.95E-03	8.81E-04
2602	570073.4	4215659	1.31E-02	1.99E-03	9.00E-04
2603	570082.7	4215657	1.33E-02	2.04E-03	9.20E-04
2604	570092	4215655	1.37E-02	2.09E-03	9.41E-04
2605	570101.3	4215654	1.40E-02	2.14E-03	9.65E-04
2606	569935.7	4215690	1.05E-02	1.60E-03	7.23E-04
2607	569926.6	4215687	1.06E-02	1.62E-03	7.33E-04
2608	569917.5	4215685	1.08E-02	1.65E-03	7.43E-04
2609	569908.4	4215683	1.09E-02	1.67E-03	7.53E-04
2610	569899.4	4215680	1.11E-02	1.69E-03	7.64E-04
2611	569863.1	4215671	1.18E-02	1.80E-03	8.11E-04
2612	569854	4215669	1.20E-02	1.82E-03	8.24E-04
2613	569844.9	4215666	1.21E-02	1.85E-03	8.36E-04
2614	569944.7	4215692	1.04E-02	1.58E-03	7.14E-04
2615	569954	4215690	1.04E-02	1.59E-03	7.19E-04
2616	569963.4	4215689	1.05E-02	1.60E-03	7.24E-04
2617	569972.7	4215687	1.06E-02	1.62E-03	7.30E-04
2618	569982	4215685	1.07E-02	1.63E-03	7.36E-04
2619	569991.3	4215684	1.08E-02	1.65E-03	7.43E-04
2620	570000.6	4215682	1.09E-02	1.66E-03	7.51E-04
2621	570009.9	4215680	1.10E-02	1.68E-03	7.59E-04
2622	570019.2	4215678	1.12E-02	1.70E-03	7.69E-04
2623	570028.6	4215677	1.13E-02	1.73E-03	7.80E-04
2624	570037.9	4215675	1.15E-02	1.76E-03	7.92E-04
2625	570047.2	4215673	1.17E-02	1.79E-03	8.06E-04
2626	570056.5	4215672	1.19E-02	1.82E-03	8.21E-04
2627	570065.8	4215670	1.21E-02	1.85E-03	8.37E-04
2628	570075.1	4215668	1.24E-02	1.89E-03	8.54E-04
2629	570084.5	4215667	1.27E-02	1.93E-03	8.73E-04
2630	570093.8	4215665	1.30E-02	1.98E-03	8.93E-04
2631	570103.1	4215663	1.33E-02	2.03E-03	9.15E-04
2632	569937.5	4215699	1.00E-02	1.53E-03	6.89E-04
2633	569928.4	4215697	1.01E-02	1.55E-03	6.98E-04
2634	569919.4	4215695	1.03E-02	1.57E-03	7.07E-04
2635	569910.4	4215692	1.04E-02	1.59E-03	7.16E-04
2636	569901.3	4215690	1.05E-02	1.61E-03	7.26E-04
2637	569892.3	4215688	1.07E-02	1.63E-03	7.37E-04
2638	569946.5	4215702	9.88E-03	1.51E-03	6.81E-04
2639	569955.8	4215700	9.95E-03	1.52E-03	6.86E-04
2640	569965.1	4215698	1.00E-02	1.53E-03	6.91E-04
2641	569974.4	4215697	1.01E-02	1.54E-03	6.97E-04
2642	569983.8	4215695	1.02E-02	1.56E-03	7.03E-04
2643	569993.1	4215693	1.03E-02	1.57E-03	7.09E-04
2644	570002.4	4215692	1.04E-02	1.59E-03	7.16E-04
2645	570011.7	4215690	1.05E-02	1.60E-03	7.24E-04
2646	570021	4215688	1.06E-02	1.62E-03	7.32E-04

2647	570030.3	4215687	1.08E-02	1.65E-03	7.43E-04
2648	570039.6	4215685	1.09E-02	1.67E-03	7.54E-04
2649	570049	4215683	1.11E-02	1.70E-03	7.67E-04
2650	570058.3	4215682	1.13E-02	1.73E-03	7.81E-04
2651	570067.6	4215680	1.16E-02	1.76E-03	7.96E-04
2652	570076.9	4215678	1.18E-02	1.80E-03	8.12E-04
2653	570086.2	4215677	1.20E-02	1.84E-03	8.30E-04
2654	570095.5	4215675	1.23E-02	1.88E-03	8.49E-04
2655	570104.9	4215673	1.26E-02	1.93E-03	8.69E-04
2656	569939.3	4215709	9.55E-03	1.46E-03	6.58E-04
2657	569930.3	4215707	9.66E-03	1.47E-03	6.66E-04
2658	569921.3	4215705	9.78E-03	1.49E-03	6.74E-04
2659	569912.3	4215702	9.90E-03	1.51E-03	6.82E-04
2660	569903.3	4215700	1.00E-02	1.53E-03	6.91E-04
2661	569894.3	4215698	1.02E-02	1.55E-03	7.01E-04
2662	569885.3	4215695	1.03E-02	1.57E-03	7.11E-04
2663	569876.3	4215693	1.00E-02	1.53E-03	6.90E-04
2664	569948.3	4215712	9.44E-03	1.44E-03	6.51E-04
2665	569957.6	4215710	9.51E-03	1.45E-03	6.55E-04
2666	569966.9	4215708	9.58E-03	1.46E-03	6.60E-04
2667	569976.2	4215707	9.66E-03	1.48E-03	6.66E-04
2668	569985.5	4215705	9.75E-03	1.49E-03	6.72E-04
2669	569994.8	4215703	9.84E-03	1.50E-03	6.78E-04
2670	570004.2	4215702	9.93E-03	1.52E-03	6.84E-04
2671	570013.5	4215700	1.00E-02	1.53E-03	6.91E-04
2672	570022.8	4215698	1.01E-02	1.55E-03	6.99E-04
2673	570032.1	4215696	1.03E-02	1.57E-03	7.09E-04
2674	570041.4	4215695	1.04E-02	1.59E-03	7.19E-04
2675	570050.7	4215693	1.06E-02	1.62E-03	7.31E-04
2676	570060	4215691	1.08E-02	1.65E-03	7.44E-04
2677	570069.4	4215690	1.10E-02	1.68E-03	7.58E-04
2678	570078.7	4215688	1.12E-02	1.71E-03	7.73E-04
2679	570088	4215686	1.15E-02	1.75E-03	7.89E-04
2680	570097.3	4215685	1.17E-02	1.79E-03	8.07E-04
2681	569941.1	4215719	9.13E-03	1.39E-03	6.29E-04
2682	569932.1	4215717	9.24E-03	1.41E-03	6.36E-04
2683	569923.2	4215715	9.34E-03	1.43E-03	6.44E-04
2684	569914.2	4215712	9.45E-03	1.44E-03	6.52E-04
2685	569905.2	4215710	9.57E-03	1.46E-03	6.59E-04
2686	569896.3	4215708	9.69E-03	1.48E-03	6.68E-04
2687	569887.3	4215705	9.82E-03	1.50E-03	6.77E-04
2688	569878.3	4215703	9.96E-03	1.52E-03	6.86E-04
2689	569869.4	4215701	9.62E-03	1.47E-03	6.63E-04
2690	569950	4215721	9.03E-03	1.38E-03	6.23E-04
2691	569959.4	4215720	9.10E-03	1.39E-03	6.27E-04
2692	569968.7	4215718	9.17E-03	1.40E-03	6.32E-04
2693	569978	4215716	9.24E-03	1.41E-03	6.37E-04
2694	569987.3	4215715	9.32E-03	1.42E-03	6.43E-04
2695	569996.6	4215713	9.41E-03	1.44E-03	6.48E-04
2696	570005.9	4215711	9.50E-03	1.45E-03	6.55E-04
2697	570015.2	4215710	9.59E-03	1.46E-03	6.61E-04
2698	570024.6	4215708	9.70E-03	1.48E-03	6.68E-04

2699	570033.9	4215706	9.83E-03	1.50E-03	6.77E-04
2700	570043.2	4215705	9.97E-03	1.52E-03	6.87E-04
2701	570052.5	4215703	1.01E-02	1.55E-03	6.98E-04
2702	570061.8	4215701	1.03E-02	1.57E-03	7.10E-04
2703	570071.1	4215700	1.05E-02	1.60E-03	7.23E-04
2704	570080.5	4215698	1.07E-02	1.63E-03	7.37E-04
2705	570089.8	4215696	1.09E-02	1.67E-03	7.52E-04
2706	570099.1	4215695	1.12E-02	1.71E-03	7.70E-04
2707	570108.4	4215693	1.14E-02	1.75E-03	7.88E-04
2708	569942.9	4215729	8.75E-03	1.34E-03	6.03E-04
2709	569933.9	4215727	8.84E-03	1.35E-03	6.09E-04
2710	569925	4215724	8.94E-03	1.37E-03	6.16E-04
2711	569916.1	4215722	9.04E-03	1.38E-03	6.23E-04
2712	569907.2	4215720	9.15E-03	1.40E-03	6.30E-04
2713	569898.2	4215717	9.26E-03	1.41E-03	6.38E-04
2714	569889.3	4215715	9.38E-03	1.43E-03	6.46E-04
2715	569880.4	4215713	9.50E-03	1.45E-03	6.54E-04
2716	569871.4	4215711	9.19E-03	1.40E-03	6.33E-04
2717	569862.5	4215708	9.25E-03	1.41E-03	6.37E-04
2718	569591.2	4215444	1.63E-02	2.48E-03	1.12E-03
2719	569951.8	4215731	8.66E-03	1.32E-03	5.96E-04
2720	569961.1	4215730	8.71E-03	1.33E-03	6.00E-04
2721	569970.4	4215728	8.78E-03	1.34E-03	6.05E-04
2722	569979.8	4215726	8.85E-03	1.35E-03	6.10E-04
2723	569989.1	4215725	8.93E-03	1.36E-03	6.15E-04
2724	569998.4	4215723	9.01E-03	1.38E-03	6.21E-04
2725	570007.7	4215721	9.09E-03	1.39E-03	6.27E-04
2726	570017	4215720	9.18E-03	1.40E-03	6.33E-04
2727	570026.3	4215718	9.29E-03	1.42E-03	6.40E-04
2728	570035.6	4215716	9.40E-03	1.44E-03	6.48E-04
2729	570045	4215714	9.53E-03	1.46E-03	6.57E-04
2730	570054.3	4215713	9.68E-03	1.48E-03	6.67E-04
2731	570063.6	4215711	9.84E-03	1.50E-03	6.78E-04
2732	570072.9	4215709	1.00E-02	1.53E-03	6.90E-04
2733	570082.2	4215708	1.02E-02	1.56E-03	7.03E-04
2734	570091.5	4215706	1.04E-02	1.59E-03	7.18E-04
2735	570134.3	4215513	4.66E-02	7.11E-03	3.21E-03
2736	570122.9	4215521	4.07E-02	6.22E-03	2.81E-03
2737	570111.5	4215529	3.62E-02	5.53E-03	2.50E-03
2738	570121.1	4215531	3.65E-02	5.57E-03	2.51E-03
2739	570100.1	4215538	3.28E-02	5.02E-03	2.26E-03
2740	570109.8	4215539	3.28E-02	5.01E-03	2.26E-03
2741	570119.4	4215541	3.30E-02	5.04E-03	2.27E-03
2742	570129	4215543	3.34E-02	5.10E-03	2.30E-03
2743	570098.4	4215547	2.99E-02	4.57E-03	2.06E-03
2744	570108	4215549	2.99E-02	4.56E-03	2.06E-03
2745	570117.7	4215551	3.00E-02	4.58E-03	2.07E-03
2746	570096.7	4215557	2.73E-02	4.17E-03	1.88E-03
2747	570106.3	4215559	2.73E-02	4.17E-03	1.88E-03
2748	570115.9	4215561	2.74E-02	4.19E-03	1.89E-03
2749	570094.9	4215567	2.50E-02	3.82E-03	1.72E-03
2750	570104.6	4215569	2.50E-02	3.82E-03	1.73E-03

2751	570114.2	4215571	2.51E-02	3.84E-03	1.73E-03
2752	570123.8	4215572	2.54E-02	3.88E-03	1.75E-03
2753	570102.8	4215579	2.30E-02	3.52E-03	1.59E-03
2754	570112.5	4215580	2.31E-02	3.53E-03	1.59E-03
2755	570122.1	4215582	2.34E-02	3.57E-03	1.61E-03
2756	570101.1	4215589	2.13E-02	3.25E-03	1.47E-03
2757	570110.7	4215590	2.14E-02	3.27E-03	1.48E-03
2758	570099.3	4215598	1.98E-02	3.02E-03	1.36E-03
2759	570109	4215600	1.99E-02	3.05E-03	1.37E-03
2760	570118.6	4215602	2.01E-02	3.07E-03	1.39E-03
2761	570107.2	4215610	1.86E-02	2.84E-03	1.28E-03
2762	570105.5	4215620	1.74E-02	2.66E-03	1.20E-03
2763	570113.4	4215631	1.64E-02	2.50E-03	1.13E-03
2764	570111.7	4215641	1.54E-02	2.34E-03	1.06E-03
2765	570088.1	4215718	9.78E-03	1.49E-03	6.74E-04
2766	570097.7	4215720	9.84E-03	1.50E-03	6.78E-04

			T2		289	T2L3			T4f		
					2.90E-06			4.42E-07			1.93E-07
					4215444.01						
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	570176.21	4215488.81	2.00E-06	1.13E-06	3.14E-06	3.06E-07	1.72E-07	4.78E-07	1.38E-07	7.10E-08	2.09E-07
2	570192.16	4215484.24	2.26E-06	1.28E-06	3.55E-06	3.46E-07	1.95E-07	5.41E-07	1.56E-07	8.03E-08	2.36E-07
3	570208.67	4215476.96	2.64E-06	1.49E-06	4.13E-06	4.03E-07	2.27E-07	6.30E-07	1.82E-07	9.35E-08	2.75E-07
4	570225.19	4215469.68	3.03E-06	1.72E-06	4.75E-06	4.63E-07	2.61E-07	7.25E-07	2.09E-07	1.08E-07	3.17E-07
5	570241.7	4215462.41	3.36E-06	1.90E-06	5.26E-06	5.13E-07	2.90E-07	8.03E-07	2.32E-07	1.19E-07	3.51E-07
6	570258.22	4215455.13	3.57E-06	2.02E-06	5.59E-06	5.44E-07	3.07E-07	8.52E-07	2.46E-07	1.26E-07	3.72E-07
7	570179.28	4215498.07	1.77E-06	1.00E-06	2.77E-06	2.70E-07	1.52E-07	4.22E-07	1.22E-07	6.27E-08	1.85E-07
8	570161.96	4215500.16	1.60E-06	9.04E-07	2.50E-06	2.44E-07	1.38E-07	3.81E-07	1.10E-07	5.66E-08	1.67E-07
9	570196.19	4215493.39	2.01E-06	1.14E-06	3.15E-06	3.07E-07	1.73E-07	4.80E-07	1.39E-07	7.13E-08	2.10E-07
10	570212.71	4215486.11	2.36E-06	1.34E-06	3.69E-06	3.60E-07	2.03E-07	5.63E-07	1.62E-07	8.36E-08	2.46E-07
11	570229.22	4215478.83	2.72E-06	1.54E-06	4.26E-06	4.15E-07	2.34E-07	6.50E-07	1.88E-07	9.65E-08	2.84E-07
12	570237.48	4215475.19	2.88E-06	1.63E-06	4.52E-06	4.40E-07	2.48E-07	6.89E-07	1.99E-07	1.02E-07	3.01E-07
13	570253.99	4215467.92	3.15E-06	1.78E-06	4.93E-06	4.81E-07	2.71E-07	7.52E-07	2.17E-07	1.12E-07	3.29E-07
14	570183.72	4215507.17	1.60E-06	9.05E-07	2.50E-06	2.44E-07	1.38E-07	3.82E-07	1.10E-07	5.67E-08	1.67E-07
15	570167.23	4215509.17	1.45E-06	8.19E-07	2.26E-06	2.21E-07	1.25E-07	3.45E-07	9.96E-08	5.13E-08	1.51E-07
16	570150.74	4215511.16	1.32E-06	7.45E-07	2.06E-06	2.01E-07	1.13E-07	3.14E-07	9.07E-08	4.67E-08	1.37E-07
17	570200.22	4215502.54	1.81E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.33E-07	1.25E-07	6.44E-08	1.89E-07
18	570216.74	4215495.26	2.13E-06	1.20E-06	3.33E-06	3.25E-07	1.83E-07	5.08E-07	1.47E-07	7.54E-08	2.22E-07
19	570225	4215491.62	2.30E-06	1.30E-06	3.60E-06	3.50E-07	1.98E-07	5.48E-07	1.58E-07	8.14E-08	2.40E-07
20	570241.51	4215484.35	2.60E-06	1.47E-06	4.08E-06	3.97E-07	2.24E-07	6.22E-07	1.79E-07	9.23E-08	2.72E-07
21	570249.77	4215480.71	2.74E-06	1.55E-06	4.29E-06	4.18E-07	2.36E-07	6.53E-07	1.89E-07	9.70E-08	2.86E-07
22	570266.28	4215473.43	2.95E-06	1.67E-06	4.62E-06	4.50E-07	2.54E-07	7.05E-07	2.03E-07	1.05E-07	3.08E-07
23	570188.06	4215516.29	1.46E-06	8.26E-07	2.28E-06	2.23E-07	1.26E-07	3.48E-07	1.00E-07	5.17E-08	1.52E-07
24	570172.19	4215518.2	1.32E-06	7.45E-07	2.06E-06	2.01E-07	1.13E-07	3.14E-07	9.07E-08	4.67E-08	1.37E-07
25	570156.32	4215520.12	1.20E-06	6.83E-07	1.89E-06	1.84E-07	1.04E-07	2.88E-07	8.30E-08	4.27E-08	1.26E-07
26	570140.45	4215522.04	1.11E-06	6.28E-07	1.74E-06	1.69E-07	9.55E-08	2.65E-07	7.64E-08	3.93E-08	1.16E-07
27	570204.25	4215511.69	1.66E-06	9.39E-07	2.60E-06	2.53E-07	1.43E-07	3.96E-07	1.14E-07	5.88E-08	1.73E-07
28	570220.77	4215504.41	1.94E-06	1.10E-06	3.04E-06	2.96E-07	1.67E-07	4.63E-07	1.34E-07	6.88E-08	2.02E-07
29	570237.29	4215497.14	2.23E-06	1.26E-06	3.49E-06	3.41E-07	1.92E-07	5.33E-07	1.54E-07	7.91E-08	2.33E-07
30	570253.8	4215489.86	2.48E-06	1.41E-06	3.89E-06	3.79E-07	2.14E-07	5.93E-07	1.71E-07	8.81E-08	2.59E-07
31	570262.06	4215486.22	2.60E-06	1.47E-06	4.07E-06	3.96E-07	2.24E-07	6.20E-07	1.79E-07	9.21E-08	2.71E-07
32	570191.37	4215525.53	1.33E-06	7.55E-07	2.09E-06	2.04E-07	1.15E-07	3.18E-07	9.19E-08	4.73E-08	1.39E-07
33	570174.06	4215527.62	1.19E-06	6.72E-07	1.86E-06	1.81E-07	1.02E-07	2.83E-07	8.17E-08	4.21E-08	1.24E-07
34	570156.75	4215529.71	1.08E-06	6.14E-07	1.70E-06	1.65E-07	9.33E-08	2.59E-07	7.46E-08	3.84E-08	1.13E-07
35	570139.43	4215531.8	9.95E-07	5.63E-07	1.56E-06	1.52E-07	8.57E-08	2.38E-07	6.85E-08	3.53E-08	1.04E-07
36	570208.29	4215520.84	1.53E-06	8.65E-07	2.39E-06	2.33E-07	1.32E-07	3.65E-07	1.05E-07	5.42E-08	1.59E-07
37	570216.55	4215517.2	1.65E-06	9.34E-07	2.58E-06	2.52E-07	1.42E-07	3.94E-07	1.14E-07	5.85E-08	1.72E-07
38	570233.06	4215509.93	1.91E-06	1.08E-06	2.99E-06	2.91E-07	1.64E-07	4.56E-07	1.31E-07	6.77E-08	1.99E-07
39	570249.58	4215502.65	2.16E-06	1.22E-06	3.38E-06	3.29E-07	1.86E-07	5.15E-07	1.49E-07	7.65E-08	2.25E-07
40	570266.09	4215495.37	2.37E-06	1.34E-06	3.71E-06	3.62E-07	2.04E-07	5.66E-07	1.63E-07	8.40E-08	2.47E-07
41	570274.35	4215491.73	2.46E-06	1.39E-06	3.85E-06	3.76E-07	2.12E-07	5.88E-07	1.70E-07	8.73E-08	2.57E-07
42	570195.73	4215534.64	1.24E-06	7.01E-07	1.94E-06	1.89E-07	1.07E-07	2.95E-07	8.52E-08	4.39E-08	1.29E-07
43	570179.05	4215536.65	1.11E-06	6.29E-07	1.74E-06	1.69E-07	9.56E-08	2.65E-07	7.65E-08	3.94E-08	1.16E-07
44	570162.38	4215538.66	1.01E-06	5.73E-07	1.58E-06	1.54E-07	8.71E-08	2.41E-07	6.97E-08	3.59E-08	1.06E-07
45	570145.71	4215540.68	9.32E-07	5.28E-07	1.46E-06	1.42E-07	8.03E-08	2.23E-07	6.42E-08	3.31E-08	9.73E-08
46	570212.32	4215529.99	1.41E-06	7.99E-07	2.21E-06	2.15E-07	1.21E-07	3.37E-07	9.72E-08	5.00E-08	1.47E-07
47	570228.84	4215522.72	1.63E-06	9.24E-07	2.56E-06	2.49E-07	1.41E-07	3.90E-07	1.12E-07	5.79E-08	1.70E-07
48	570245.35	4215515.44	1.87E-06	1.06E-06	2.93E-06	2.85E-07	1.61E-07	4.46E-07	1.29E-07	6.63E-08	1.95E-07
49	570261.87	4215508.16	2.09E-06	1.18E-06	3.27E-06	3.19E-07	1.80E-07	4.99E-07	1.44E-07	7.41E-08	2.18E-07
50	570278.38	4215500.88	2.27E-06	1.28E-06	3.55E-06	3.46E-07	1.95E-07	5.41E-07	1.56E-07	8.04E-08	2.37E-07
51	570200.02	4215543.76	1.15E-06	6.52E-07	1.80E-06	1.76E-07	9.92E-08	2.75E-07	7.93E-08	4.08E-08	1.20E-07
52	570183.86	4215545.71	1.04E-06	5.89E-07	1.63E-06	1.59E-07	8.96E-08	2.48E-07	7.16E-08	3.69E-08	1.09E-07
53	570167.7	4215547.66	9.46E-07	5.36E-07	1.48E-06	1.44E-07	8.15E-08	2.26E-07	6.52E-08	3.36E-08	9.88E-08
54	570151.54	4215549.61	8.75E-07	4.95E-07	1.37E-06	1.34E-07	7.54E-08	2.09E-07	6.03E-08	3.10E-08	9.13E-08
55	570135.38	4215551.56	8.13E-07	4.60E-07	1.27E-06	1.24E-07	7.00E-08	1.94E-07	5.60E-08	2.88E-08	8.48E-08
56	570216.35	4215539.14	1.31E-06	7.41E-07	2.05E-06	2.00E-07	1.13E-07	3.13E-07	9.02E-08	4.64E-08	1.37E-07
57	570232.87	4215531.87	1.51E-06	8.56E-07	2.37E-06	2.31E-07	1.30E-07	3.61E-07	1.04E-07	5.36E-08	1.58E-07
58	570241.13	4215528.23	1.62E-06	9.15E-07	2.53E-06	2.47E-07	1.39E-07	3.86E-07	1.11E-07	5.73E-08	1.69E-07

59	570257.64	4215520.95	1.83E-06	1.04E-06	2.86E-06	2.79E-07	1.58E-07	4.37E-07	1.26E-07	6.49E-08	1.91E-07
60	570274.16	4215513.67	2.02E-06	1.14E-06	3.16E-06	3.08E-07	1.74E-07	4.82E-07	1.39E-07	7.15E-08	2.10E-07
61	570203.47	4215552.98	1.07E-06	6.05E-07	1.67E-06	1.63E-07	9.21E-08	2.55E-07	7.36E-08	3.79E-08	1.12E-07
62	570186.16	4215555.07	9.62E-07	5.45E-07	1.51E-06	1.47E-07	8.29E-08	2.30E-07	6.63E-08	3.41E-08	1.00E-07
63	570168.84	4215557.16	8.71E-07	4.93E-07	1.36E-06	1.33E-07	7.50E-08	2.08E-07	6.00E-08	3.09E-08	9.09E-08
64	570151.53	4215559.25	8.02E-07	4.54E-07	1.26E-06	1.22E-07	6.91E-08	1.91E-07	5.52E-08	2.84E-08	8.37E-08
65	570134.22	4215561.34	7.42E-07	4.21E-07	1.16E-06	1.13E-07	6.40E-08	1.77E-07	5.12E-08	2.63E-08	7.75E-08
66	570220.38	4215548.29	1.22E-06	6.91E-07	1.91E-06	1.86E-07	1.05E-07	2.91E-07	8.41E-08	4.33E-08	1.27E-07
67	570228.64	4215544.66	1.31E-06	7.44E-07	2.06E-06	2.00E-07	1.13E-07	3.14E-07	9.05E-08	4.66E-08	1.37E-07
68	570245.16	4215537.38	1.50E-06	8.52E-07	2.36E-06	2.30E-07	1.30E-07	3.59E-07	1.04E-07	5.34E-08	1.57E-07
69	570253.42	4215533.74	1.60E-06	9.07E-07	2.51E-06	2.45E-07	1.38E-07	3.82E-07	1.10E-07	5.68E-08	1.67E-07
70	570269.93	4215526.46	1.78E-06	1.01E-06	2.79E-06	2.72E-07	1.54E-07	4.26E-07	1.23E-07	6.32E-08	1.86E-07
71	570286.45	4215519.18	1.94E-06	1.10E-06	3.04E-06	2.96E-07	1.67E-07	4.64E-07	1.34E-07	6.89E-08	2.03E-07
72	570207.77	4215562.1	1.01E-06	5.70E-07	1.58E-06	1.54E-07	8.66E-08	2.40E-07	6.93E-08	3.57E-08	1.05E-07
73	570190.98	4215564.13	9.08E-07	5.15E-07	1.42E-06	1.39E-07	7.83E-08	2.17E-07	6.26E-08	3.22E-08	9.48E-08
74	570174.19	4215566.15	8.22E-07	4.66E-07	1.29E-06	1.25E-07	7.08E-08	1.96E-07	5.66E-08	2.91E-08	8.58E-08
75	570157.4	4215568.18	7.57E-07	4.29E-07	1.19E-06	1.16E-07	6.52E-08	1.81E-07	5.22E-08	2.69E-08	7.90E-08
76	570140.61	4215570.21	7.02E-07	3.98E-07	1.10E-06	1.07E-07	6.05E-08	1.68E-07	4.84E-08	2.49E-08	7.33E-08
77	570224.42	4215557.45	1.14E-06	6.46E-07	1.79E-06	1.74E-07	9.83E-08	2.72E-07	7.86E-08	4.05E-08	1.19E-07
78	570240.93	4215550.17	1.31E-06	7.44E-07	2.06E-06	2.00E-07	1.13E-07	3.14E-07	9.05E-08	4.66E-08	1.37E-07
79	570257.45	4215542.89	1.49E-06	8.45E-07	2.34E-06	2.28E-07	1.28E-07	3.56E-07	1.03E-07	5.29E-08	1.56E-07
80	570273.96	4215535.61	1.66E-06	9.40E-07	2.60E-06	2.53E-07	1.43E-07	3.96E-07	1.14E-07	5.88E-08	1.73E-07
81	570282.22	4215531.97	1.73E-06	9.83E-07	2.72E-06	2.65E-07	1.49E-07	4.14E-07	1.20E-07	6.15E-08	1.81E-07
82	570211.27	4215571.31	9.44E-07	5.35E-07	1.48E-06	1.44E-07	8.14E-08	2.26E-07	6.51E-08	3.35E-08	9.86E-08
83	570193.44	4215573.47	8.49E-07	4.81E-07	1.33E-06	1.30E-07	7.31E-08	2.03E-07	5.85E-08	3.01E-08	8.86E-08
84	570175.6	4215575.62	7.64E-07	4.33E-07	1.20E-06	1.17E-07	6.58E-08	1.82E-07	5.26E-08	2.71E-08	7.97E-08
85	570157.76	4215577.77	7.00E-07	3.96E-07	1.10E-06	1.07E-07	6.03E-08	1.67E-07	4.82E-08	2.48E-08	7.30E-08
86	570139.92	4215579.93	6.47E-07	3.66E-07	1.01E-06	9.87E-08	5.57E-08	1.54E-07	4.46E-08	2.29E-08	6.75E-08
87	570220.19	4215570.24	9.96E-07	5.64E-07	1.56E-06	1.52E-07	8.58E-08	2.38E-07	6.86E-08	3.53E-08	1.04E-07
88	570236.71	4215562.96	1.15E-06	6.49E-07	1.80E-06	1.75E-07	9.87E-08	2.74E-07	7.90E-08	4.06E-08	1.20E-07
89	570253.22	4215555.68	1.31E-06	7.40E-07	2.04E-06	1.99E-07	1.12E-07	3.12E-07	9.00E-08	4.63E-08	1.36E-07
90	570269.74	4215548.4	1.47E-06	8.31E-07	2.30E-06	2.24E-07	1.26E-07	3.50E-07	1.01E-07	5.20E-08	1.53E-07
91	570286.25	4215541.12	1.62E-06	9.16E-07	2.53E-06	2.47E-07	1.39E-07	3.86E-07	1.11E-07	5.74E-08	1.69E-07
92	570215.57	4215580.43	8.91E-07	5.05E-07	1.40E-06	1.36E-07	7.68E-08	2.13E-07	6.14E-08	3.16E-08	9.30E-08
93	570198.25	4215582.52	8.06E-07	4.56E-07	1.26E-06	1.23E-07	6.94E-08	1.92E-07	5.55E-08	2.86E-08	8.41E-08
94	570180.94	4215584.61	7.29E-07	4.13E-07	1.14E-06	1.11E-07	6.28E-08	1.74E-07	5.02E-08	2.59E-08	7.61E-08
95	570163.63	4215586.7	6.66E-07	3.77E-07	1.04E-06	1.02E-07	5.74E-08	1.59E-07	4.59E-08	2.36E-08	6.95E-08
96	570146.32	4215588.79	6.16E-07	3.49E-07	9.64E-07	9.40E-08	5.30E-08	1.47E-07	4.24E-08	2.18E-08	6.42E-08
97	570129	4215590.88	5.76E-07	3.26E-07	9.03E-07	8.80E-08	4.96E-08	1.38E-07	3.97E-08	2.04E-08	6.01E-08
98	570232.48	4215575.75	1.00E-06	5.67E-07	1.57E-06	1.53E-07	8.63E-08	2.39E-07	6.90E-08	3.55E-08	1.05E-07
99	570249	4215568.47	1.14E-06	6.46E-07	1.79E-06	1.74E-07	9.83E-08	2.73E-07	7.86E-08	4.05E-08	1.19E-07
100	570265.51	4215561.19	1.29E-06	7.29E-07	2.02E-06	1.97E-07	1.11E-07	3.08E-07	8.87E-08	4.57E-08	1.34E-07
101	570282.03	4215553.91	1.44E-06	8.13E-07	2.25E-06	2.19E-07	1.24E-07	3.43E-07	9.89E-08	5.09E-08	1.50E-07
102	570290.29	4215550.28	1.51E-06	8.53E-07	2.36E-06	2.30E-07	1.30E-07	3.60E-07	1.04E-07	5.34E-08	1.57E-07
103	570298.54	4215546.64	1.57E-06	8.90E-07	2.46E-06	2.40E-07	1.35E-07	3.75E-07	1.08E-07	5.57E-08	1.64E-07
104	570219.82	4215589.56	8.40E-07	4.76E-07	1.32E-06	1.28E-07	7.23E-08	2.01E-07	5.79E-08	2.98E-08	8.76E-08
105	570202.95	4215591.59	7.64E-07	4.33E-07	1.20E-06	1.17E-07	6.58E-08	1.82E-07	5.26E-08	2.71E-08	7.97E-08
106	570186.08	4215593.63	6.94E-07	3.93E-07	1.09E-06	1.06E-07	5.98E-08	1.66E-07	4.78E-08	2.46E-08	7.25E-08
107	570169.21	4215595.67	6.34E-07	3.59E-07	9.93E-07	9.68E-08	5.46E-08	1.51E-07	4.37E-08	2.25E-08	6.62E-08
108	570152.35	4215597.7	5.88E-07	3.33E-07	9.21E-07	8.97E-08	5.06E-08	1.40E-07	4.05E-08	2.08E-08	6.13E-08
109	570135.48	4215599.74	5.50E-07	3.12E-07	8.62E-07	8.40E-08	4.74E-08	1.31E-07	3.79E-08	1.95E-08	5.74E-08
110	570236.51	4215584.9	9.31E-07	5.27E-07	1.46E-06	1.42E-07	8.02E-08	2.22E-07	6.41E-08	3.30E-08	9.71E-08
111	570253.03	4215577.62	1.05E-06	5.96E-07	1.65E-06	1.61E-07	9.07E-08	2.51E-07	7.25E-08	3.73E-08	1.10E-07
112	570261.29	4215573.98	1.12E-06	6.33E-07	1.75E-06	1.71E-07	9.63E-08	2.67E-07	7.70E-08	3.97E-08	1.17E-07
113	570277.8	4215566.7	1.26E-06	7.12E-07	1.97E-06	1.92E-07	1.08E-07	3.00E-07	8.66E-08	4.46E-08	1.31E-07
114	570294.32	4215559.43	1.40E-06	7.91E-07	2.19E-06	2.13E-07	1.20E-07	3.33E-07	9.62E-08	4.95E-08	1.46E-07
115	570223.41	4215598.76	7.86E-07	4.45E-07	1.23E-06	1.20E-07	6.77E-08	1.88E-07	5.42E-08	2.79E-08	8.21E-08
116	570205.65	4215600.9	7.16E-07	4.06E-07	1.12E-06	1.09E-07	6.17E-08	1.71E-07	4.94E-08	2.54E-08	7.48E-08
117	570187.9	4215603.05	6.50E-07	3.68E-07	1.02E-06	9.93E-08	5.60E-08	1.55E-07	4.48E-08	2.31E-08	6.79E-08
118	570170.14	4215605.19	5.92E-07	3.35E-07	9.27E-07	9.04E-08	5.10E-08	1.41E-07	4.08E-08	2.10E-08	6.18E-08
119	570161.26	4215606.26	5.69E-07	3.22E-07	8.92E-07	8.69E-08	4.90E-08	1.36E-07	3.92E-08	2.02E-08	5.94E-08
120	570143.5	4215608.41	5.29E-07	3.00E-07	8.29E-07	8.08E-08	4.56E-08	1.26E-07	3.64E-08	1.88E-08	5.52E-08

121	570125.75	4215610.55	4.99E-07	2.83E-07	7.81E-07	7.62E-08	4.30E-08	1.19E-07	3.44E-08	1.77E-08	5.21E-08
122	570232.29	4215597.69	8.17E-07	4.63E-07	1.28E-06	1.25E-07	7.04E-08	1.95E-07	5.63E-08	2.90E-08	8.52E-08
123	570248.8	4215590.41	9.20E-07	5.21E-07	1.44E-06	1.40E-07	7.93E-08	2.20E-07	6.34E-08	3.26E-08	9.60E-08
124	570265.32	4215583.13	9.68E-07	5.48E-07	1.52E-06	1.48E-07	8.34E-08	2.31E-07	6.67E-08	3.43E-08	1.01E-07
125	570281.84	4215575.85	1.16E-06	6.59E-07	1.82E-06	1.78E-07	1.00E-07	2.78E-07	8.01E-08	4.12E-08	1.21E-07
126	570290.09	4215572.22	1.23E-06	6.95E-07	1.92E-06	1.87E-07	1.06E-07	2.93E-07	8.46E-08	4.35E-08	1.28E-07
127	570298.35	4215568.58	1.29E-06	7.32E-07	2.02E-06	1.97E-07	1.11E-07	3.09E-07	8.90E-08	4.58E-08	1.35E-07
128	570227.67	4215607.88	7.36E-07	4.17E-07	1.15E-06	1.12E-07	6.34E-08	1.76E-07	5.07E-08	2.61E-08	7.68E-08
129	570210.35	4215609.97	6.80E-07	3.85E-07	1.07E-06	1.04E-07	5.86E-08	1.62E-07	4.69E-08	2.41E-08	7.10E-08
130	570193.04	4215612.07	6.21E-07	3.52E-07	9.73E-07	9.48E-08	5.35E-08	1.48E-07	4.28E-08	2.20E-08	6.48E-08
131	570175.73	4215614.16	5.66E-07	3.21E-07	8.87E-07	8.65E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
132	570158.41	4215616.25	5.25E-07	2.98E-07	8.23E-07	8.02E-08	4.52E-08	1.25E-07	3.62E-08	1.86E-08	5.48E-08
133	570141.1	4215618.34	4.91E-07	2.78E-07	7.69E-07	7.50E-08	4.23E-08	1.17E-07	3.38E-08	1.74E-08	5.13E-08
134	570123.79	4215620.43	4.65E-07	2.63E-07	7.28E-07	7.10E-08	4.01E-08	1.11E-07	3.20E-08	1.65E-08	4.85E-08
135	570244.58	4215603.2	8.10E-07	4.59E-07	1.27E-06	1.24E-07	6.98E-08	1.94E-07	5.58E-08	2.87E-08	8.46E-08
136	570261.1	4215595.92	8.43E-07	4.77E-07	1.32E-06	1.29E-07	7.26E-08	2.01E-07	5.81E-08	2.99E-08	8.80E-08
137	570277.61	4215588.64	9.45E-07	5.36E-07	1.48E-06	1.44E-07	8.15E-08	2.26E-07	6.51E-08	3.35E-08	9.87E-08
138	570294.13	4215581.37	1.07E-06	6.07E-07	1.68E-06	1.64E-07	9.23E-08	2.56E-07	7.38E-08	3.80E-08	1.12E-07
139	570302.38	4215577.73	1.15E-06	6.51E-07	1.80E-06	1.75E-07	9.90E-08	2.74E-07	7.92E-08	4.07E-08	1.20E-07
140	570231.89	4215617.01	6.92E-07	3.92E-07	1.08E-06	1.06E-07	5.96E-08	1.65E-07	4.77E-08	2.46E-08	7.22E-08
141	570214.96	4215619.06	6.45E-07	3.65E-07	1.01E-06	9.85E-08	5.56E-08	1.54E-07	4.44E-08	2.29E-08	6.73E-08
142	570198.03	4215621.1	5.92E-07	3.35E-07	9.27E-07	9.03E-08	5.10E-08	1.41E-07	4.08E-08	2.10E-08	6.17E-08
143	570181.11	4215623.14	5.42E-07	3.07E-07	8.49E-07	8.28E-08	4.67E-08	1.29E-07	3.74E-08	1.92E-08	5.66E-08
144	570164.18	4215625.19	5.02E-07	2.84E-07	7.86E-07	7.66E-08	4.32E-08	1.20E-07	3.46E-08	1.78E-08	5.24E-08
145	570147.25	4215627.23	4.70E-07	2.66E-07	7.36E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
146	570130.32	4215629.28	4.45E-07	2.52E-07	6.97E-07	6.79E-08	3.83E-08	1.06E-07	3.07E-08	1.58E-08	4.64E-08
147	570248.61	4215612.35	7.11E-07	4.03E-07	1.11E-06	1.09E-07	6.12E-08	1.70E-07	4.90E-08	2.52E-08	7.42E-08
148	570256.87	4215608.71	7.45E-07	4.22E-07	1.17E-06	1.14E-07	6.42E-08	1.78E-07	5.13E-08	2.64E-08	7.77E-08
149	570273.39	4215601.43	8.30E-07	4.70E-07	1.30E-06	1.27E-07	7.16E-08	1.98E-07	5.72E-08	2.95E-08	8.67E-08
150	570289.9	4215594.16	9.32E-07	5.28E-07	1.46E-06	1.42E-07	8.03E-08	2.23E-07	6.42E-08	3.31E-08	9.73E-08
151	570298.16	4215590.52	9.89E-07	5.60E-07	1.55E-06	1.51E-07	8.52E-08	2.36E-07	6.82E-08	3.51E-08	1.03E-07
152	570314.67	4215583.24	1.12E-06	6.35E-07	1.76E-06	1.71E-07	9.66E-08	2.68E-07	7.72E-08	3.98E-08	1.17E-07
153	570235.54	4215626.21	6.52E-07	3.69E-07	1.02E-06	9.95E-08	5.62E-08	1.56E-07	4.49E-08	2.31E-08	6.80E-08
154	570226.69	4215627.28	6.28E-07	3.56E-07	9.84E-07	9.60E-08	5.41E-08	1.50E-07	4.33E-08	2.23E-08	6.56E-08
155	570208.99	4215629.41	5.80E-07	3.29E-07	9.09E-07	8.86E-08	5.00E-08	1.39E-07	4.00E-08	2.06E-08	6.05E-08
156	570191.29	4215631.55	5.31E-07	3.01E-07	8.32E-07	8.11E-08	4.57E-08	1.27E-07	3.66E-08	1.88E-08	5.54E-08
157	570173.6	4215633.69	4.87E-07	2.76E-07	7.62E-07	7.43E-08	4.19E-08	1.16E-07	3.35E-08	1.73E-08	5.08E-08
158	570164.75	4215634.76	4.70E-07	2.66E-07	7.36E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
159	570147.05	4215636.89	4.41E-07	2.50E-07	6.90E-07	6.73E-08	3.80E-08	1.05E-07	3.04E-08	1.56E-08	4.60E-08
160	570129.35	4215639.03	4.17E-07	2.36E-07	6.53E-07	6.37E-08	3.59E-08	9.96E-08	2.87E-08	1.48E-08	4.35E-08
161	570252.64	4215621.5	6.68E-07	3.78E-07	1.05E-06	1.02E-07	5.75E-08	1.60E-07	4.60E-08	2.37E-08	6.97E-08
162	570269.16	4215614.22	7.32E-07	4.15E-07	1.15E-06	1.12E-07	6.31E-08	1.75E-07	5.04E-08	2.60E-08	7.64E-08
163	570285.68	4215606.95	8.23E-07	4.66E-07	1.29E-06	1.26E-07	7.09E-08	1.97E-07	5.67E-08	2.92E-08	8.59E-08
164	570302.19	4215599.67	9.28E-07	5.26E-07	1.45E-06	1.42E-07	8.00E-08	2.22E-07	6.40E-08	3.29E-08	9.69E-08
165	570318.71	4215592.39	1.04E-06	5.92E-07	1.64E-06	1.59E-07	9.00E-08	2.49E-07	7.20E-08	3.70E-08	1.09E-07
166	570239.76	4215635.34	6.17E-07	3.49E-07	9.66E-07	9.42E-08	5.31E-08	1.47E-07	4.25E-08	2.19E-08	6.44E-08
167	570222.45	4215637.43	5.75E-07	3.26E-07	9.01E-07	8.78E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	6.00E-08
168	570205.14	4215639.52	5.29E-07	3.00E-07	8.28E-07	8.08E-08	4.56E-08	1.26E-07	3.64E-08	1.88E-08	5.52E-08
169	570187.82	4215641.61	4.87E-07	2.76E-07	7.62E-07	7.43E-08	4.19E-08	1.16E-07	3.35E-08	1.73E-08	5.08E-08
170	570170.51	4215643.7	4.50E-07	2.55E-07	7.05E-07	6.87E-08	3.88E-08	1.07E-07	3.10E-08	1.60E-08	4.70E-08
171	570153.2	4215645.79	4.23E-07	2.40E-07	6.62E-07	6.46E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
172	570135.88	4215647.88	4.00E-07	2.27E-07	6.27E-07	6.11E-08	3.45E-08	9.56E-08	2.76E-08	1.42E-08	4.18E-08
173	570118.57	4215649.97	3.81E-07	2.16E-07	5.98E-07	5.82E-08	3.29E-08	9.11E-08	2.63E-08	1.35E-08	3.98E-08
174	570256.68	4215630.65	6.75E-07	3.82E-07	1.06E-06	1.03E-07	5.81E-08	1.61E-07	4.65E-08	2.39E-08	7.04E-08
175	570273.19	4215623.38	6.96E-07	3.94E-07	1.09E-06	1.06E-07	6.00E-08	1.66E-07	4.80E-08	2.47E-08	7.27E-08
176	570281.45	4215619.74	7.33E-07	4.15E-07	1.15E-06	1.12E-07	6.32E-08	1.75E-07	5.05E-08	2.60E-08	7.65E-08
177	570297.97	4215612.46	8.20E-07	4.65E-07	1.28E-06	1.25E-07	7.07E-08	1.96E-07	5.65E-08	2.91E-08	8.56E-08
178	570306.22	4215608.82	8.73E-07	4.95E-07	1.37E-06	1.33E-07	7.53E-08	2.09E-07	6.02E-08	3.10E-08	9.12E-08
179	570314.48	4215605.18	9.28E-07	5.26E-07	1.45E-06	1.42E-07	7.99E-08	2.22E-07	6.39E-08	3.29E-08	9.68E-08
180	570243.96	4215644.47	5.84E-07	3.31E-07	9.15E-07	8.92E-08	5.04E-08	1.40E-07	4.03E-08	2.07E-08	6.10E-08
181	570226.99	4215646.52	5.46E-07	3.10E-07	8.56E-07	8.34E-08	4.71E-08	1.31E-07	3.76E-08	1.94E-08	5.70E-08
182	570210.02	4215648.57	5.04E-07	2.86E-07	7.90E-07	7.70E-08	4.35E-08	1.20E-07	3.48E-08	1.79E-08	5.26E-08

183	570193.04	4215650.62	4.66E-07	2.64E-07	7.30E-07	7.11E-08	4.01E-08	1.11E-07	3.21E-08	1.65E-08	4.86E-08
184	570176.07	4215652.67	4.31E-07	2.44E-07	6.76E-07	6.59E-08	3.72E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
185	570159.1	4215654.71	4.06E-07	2.30E-07	6.36E-07	6.20E-08	3.50E-08	9.70E-08	2.80E-08	1.44E-08	4.24E-08
186	570142.12	4215656.76	3.85E-07	2.18E-07	6.02E-07	5.87E-08	3.31E-08	9.19E-08	2.65E-08	1.36E-08	4.01E-08
187	570125.15	4215658.81	3.67E-07	2.08E-07	5.75E-07	5.60E-08	3.16E-08	8.76E-08	2.53E-08	1.30E-08	3.83E-08
188	570260.71	4215639.8	6.38E-07	3.61E-07	9.99E-07	9.74E-08	5.50E-08	1.52E-07	4.40E-08	2.26E-08	6.66E-08
189	570268.97	4215636.17	6.73E-07	3.81E-07	1.05E-06	1.03E-07	5.80E-08	1.61E-07	4.64E-08	2.39E-08	7.02E-08
190	570277.22	4215632.53	6.66E-07	3.77E-07	1.04E-06	1.02E-07	5.74E-08	1.59E-07	4.59E-08	2.36E-08	6.95E-08
191	570293.74	4215625.25	7.36E-07	4.17E-07	1.15E-06	1.12E-07	6.34E-08	1.76E-07	5.07E-08	2.61E-08	7.68E-08
192	570310.26	4215617.97	8.26E-07	4.68E-07	1.29E-06	1.26E-07	7.12E-08	1.97E-07	5.69E-08	2.93E-08	8.62E-08
193	570326.77	4215610.69	9.60E-07	5.44E-07	1.50E-06	1.47E-07	8.27E-08	2.29E-07	6.61E-08	3.40E-08	1.00E-07
194	570247.66	4215653.66	5.55E-07	3.14E-07	8.69E-07	8.47E-08	4.78E-08	1.32E-07	3.82E-08	1.97E-08	5.79E-08
195	570230.01	4215655.79	5.15E-07	2.92E-07	8.07E-07	7.86E-08	4.44E-08	1.23E-07	3.55E-08	1.83E-08	5.37E-08
196	570212.35	4215657.92	4.75E-07	2.69E-07	7.44E-07	7.25E-08	4.09E-08	1.13E-07	3.27E-08	1.68E-08	4.96E-08
197	570194.7	4215660.05	4.39E-07	2.49E-07	6.87E-07	6.70E-08	3.78E-08	1.05E-07	3.02E-08	1.56E-08	4.58E-08
198	570177.05	4215662.19	4.07E-07	2.31E-07	6.37E-07	6.21E-08	3.51E-08	9.72E-08	2.80E-08	1.44E-08	4.25E-08
199	570159.4	4215664.32	3.83E-07	2.17E-07	6.00E-07	5.85E-08	3.30E-08	9.15E-08	2.64E-08	1.36E-08	4.00E-08
200	570141.74	4215666.45	3.63E-07	2.06E-07	5.69E-07	5.54E-08	3.13E-08	8.67E-08	2.50E-08	1.29E-08	3.79E-08
201	570124.09	4215668.58	3.46E-07	1.96E-07	5.42E-07	5.29E-08	2.98E-08	8.27E-08	2.39E-08	1.23E-08	3.61E-08
202	570264.74	4215648.95	6.04E-07	3.42E-07	9.46E-07	9.23E-08	5.21E-08	1.44E-07	4.16E-08	2.14E-08	6.31E-08
203	570281.26	4215641.68	6.71E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
204	570297.77	4215634.4	7.43E-07	4.21E-07	1.16E-06	1.14E-07	6.41E-08	1.78E-07	5.12E-08	2.64E-08	7.76E-08
205	570314.29	4215627.12	8.22E-07	4.65E-07	1.29E-06	1.25E-07	7.08E-08	1.96E-07	5.66E-08	2.91E-08	8.58E-08
206	570330.8	4215619.84	9.02E-07	5.11E-07	1.41E-06	1.38E-07	7.78E-08	2.16E-07	6.22E-08	3.20E-08	9.42E-08
207	570251.86	4215662.79	5.26E-07	2.98E-07	8.24E-07	8.03E-08	4.53E-08	1.26E-07	3.63E-08	1.87E-08	5.49E-08
208	570234.55	4215664.88	4.89E-07	2.77E-07	7.65E-07	7.46E-08	4.21E-08	1.17E-07	3.37E-08	1.73E-08	5.10E-08
209	570217.23	4215666.97	4.53E-07	2.56E-07	7.09E-07	6.91E-08	3.90E-08	1.08E-07	3.12E-08	1.61E-08	4.72E-08
210	570199.92	4215669.06	4.20E-07	2.38E-07	6.58E-07	6.41E-08	3.62E-08	1.00E-07	2.89E-08	1.49E-08	4.38E-08
211	570182.61	4215671.15	3.91E-07	2.22E-07	6.13E-07	5.98E-08	3.37E-08	9.35E-08	2.70E-08	1.39E-08	4.09E-08
212	570165.29	4215673.24	3.68E-07	2.09E-07	5.77E-07	5.62E-08	3.17E-08	8.79E-08	2.54E-08	1.31E-08	3.84E-08
213	570147.98	4215675.33	3.50E-07	1.98E-07	5.48E-07	5.34E-08	3.01E-08	8.35E-08	2.41E-08	1.24E-08	3.65E-08
214	570130.67	4215677.42	3.34E-07	1.89E-07	5.23E-07	5.10E-08	2.88E-08	7.97E-08	2.30E-08	1.18E-08	3.48E-08
215	570113.36	4215679.51	3.20E-07	1.81E-07	5.01E-07	4.88E-08	2.76E-08	7.64E-08	2.20E-08	1.13E-08	3.34E-08
216	570268.77	4215658.11	5.74E-07	3.25E-07	8.99E-07	8.76E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	5.99E-08
217	570277.03	4215654.47	6.04E-07	3.42E-07	9.46E-07	9.22E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
218	570293.55	4215647.19	6.68E-07	3.78E-07	1.05E-06	1.02E-07	5.75E-08	1.60E-07	4.60E-08	2.37E-08	6.97E-08
219	570310.06	4215639.91	7.38E-07	4.18E-07	1.16E-06	1.13E-07	6.36E-08	1.76E-07	5.09E-08	2.62E-08	7.71E-08
220	570326.58	4215632.63	8.12E-07	4.60E-07	1.27E-06	1.24E-07	7.00E-08	1.94E-07	5.60E-08	2.88E-08	8.48E-08
221	570256.04	4215671.92	4.98E-07	2.82E-07	7.80E-07	7.61E-08	4.29E-08	1.19E-07	3.43E-08	1.77E-08	5.20E-08
222	570239.03	4215673.98	4.63E-07	2.62E-07	7.26E-07	7.08E-08	3.99E-08	1.11E-07	3.19E-08	1.64E-08	4.84E-08
223	570222.03	4215676.03	4.31E-07	2.44E-07	6.75E-07	6.58E-08	3.71E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
224	570205.02	4215678.08	4.02E-07	2.28E-07	6.29E-07	6.13E-08	3.46E-08	9.60E-08	2.77E-08	1.43E-08	4.19E-08
225	570188.01	4215680.14	3.76E-07	2.13E-07	5.89E-07	5.74E-08	3.24E-08	8.98E-08	2.59E-08	1.33E-08	3.92E-08
226	570171	4215682.19	3.54E-07	2.00E-07	5.54E-07	5.40E-08	3.05E-08	8.45E-08	2.44E-08	1.26E-08	3.69E-08
227	570153.99	4215684.24	3.37E-07	1.91E-07	5.27E-07	5.14E-08	2.90E-08	8.04E-08	2.32E-08	1.19E-08	3.51E-08
228	570136.98	4215686.3	3.22E-07	1.82E-07	5.04E-07	4.91E-08	2.77E-08	7.68E-08	2.22E-08	1.14E-08	3.36E-08
229	570119.97	4215688.35	3.09E-07	1.75E-07	4.83E-07	4.71E-08	2.66E-08	7.37E-08	2.13E-08	1.09E-08	3.22E-08
230	570272.81	4215667.26	5.44E-07	3.08E-07	8.52E-07	8.31E-08	4.69E-08	1.30E-07	3.75E-08	1.93E-08	5.68E-08
231	570281.06	4215663.62	5.73E-07	3.25E-07	8.98E-07	8.75E-08	4.94E-08	1.37E-07	3.95E-08	2.03E-08	5.98E-08
232	570297.58	4215656.34	6.33E-07	3.59E-07	9.92E-07	9.67E-08	5.46E-08	1.51E-07	4.36E-08	2.25E-08	6.61E-08
233	570305.84	4215652.7	6.65E-07	3.77E-07	1.04E-06	1.02E-07	5.73E-08	1.59E-07	4.58E-08	2.36E-08	6.94E-08
234	570314.1	4215649.06	6.98E-07	3.95E-07	1.09E-06	1.07E-07	6.02E-08	1.67E-07	4.81E-08	2.48E-08	7.29E-08
235	570330.61	4215641.78	7.67E-07	4.34E-07	1.20E-06	1.17E-07	6.61E-08	1.83E-07	5.28E-08	2.72E-08	8.00E-08
236	570338.87	4215638.15	8.02E-07	4.54E-07	1.26E-06	1.22E-07	6.91E-08	1.92E-07	5.53E-08	2.84E-08	8.37E-08
237	570259.77	4215681.11	4.70E-07	2.66E-07	7.36E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
238	570242.16	4215683.24	4.36E-07	2.47E-07	6.83E-07	6.66E-08	3.76E-08	1.04E-07	3.01E-08	1.55E-08	4.55E-08
239	570224.54	4215685.36	4.05E-07	2.30E-07	6.35E-07	6.19E-08	3.49E-08	9.68E-08	2.79E-08	1.44E-08	4.23E-08
240	570206.92	4215687.49	3.78E-07	2.14E-07	5.93E-07	5.78E-08	3.26E-08	9.04E-08	2.61E-08	1.34E-08	3.95E-08
241	570189.31	4215689.62	3.55E-07	2.01E-07	5.56E-07	5.42E-08	3.06E-08	8.48E-08	2.45E-08	1.26E-08	3.71E-08
242	570171.69	4215691.75	3.35E-07	1.90E-07	5.25E-07	5.12E-08	2.89E-08	8.01E-08	2.31E-08	1.19E-08	3.50E-08
243	570154.07	4215693.87	3.19E-07	1.81E-07	5.00E-07	4.87E-08	2.75E-08	7.62E-08	2.20E-08	1.13E-08	3.33E-08
244	570136.46	4215696	3.05E-07	1.73E-07	4.78E-07	4.66E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08

245	570118.84	4215698.13	2.93E-07	1.66E-07	4.59E-07	4.47E-08	2.52E-08	7.00E-08	2.02E-08	1.04E-08	3.06E-08
246	570276.84	4215676.41	5.14E-07	2.91E-07	8.05E-07	7.85E-08	4.43E-08	1.23E-07	3.54E-08	1.82E-08	5.37E-08
247	570285.1	4215672.77	5.41E-07	3.07E-07	8.48E-07	8.27E-08	4.67E-08	1.29E-07	3.73E-08	1.92E-08	5.65E-08
248	570293.35	4215669.13	5.70E-07	3.23E-07	8.93E-07	8.71E-08	4.91E-08	1.36E-07	3.93E-08	2.02E-08	5.95E-08
249	570309.87	4215661.85	6.30E-07	3.57E-07	9.87E-07	9.62E-08	5.43E-08	1.50E-07	4.34E-08	2.23E-08	6.58E-08
250	570318.13	4215658.21	6.61E-07	3.75E-07	1.04E-06	1.01E-07	5.70E-08	1.58E-07	4.56E-08	2.34E-08	6.90E-08
251	570334.64	4215650.94	7.24E-07	4.10E-07	1.13E-06	1.11E-07	6.24E-08	1.73E-07	4.99E-08	2.57E-08	7.56E-08
252	570263.96	4215690.24	4.43E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
253	570246.64	4215692.33	4.12E-07	2.34E-07	6.46E-07	6.30E-08	3.55E-08	9.85E-08	2.84E-08	1.46E-08	4.30E-08
254	570229.33	4215694.42	3.85E-07	2.18E-07	6.02E-07	5.87E-08	3.31E-08	9.18E-08	2.65E-08	1.36E-08	4.01E-08
255	570212.02	4215696.51	3.61E-07	2.04E-07	5.65E-07	5.51E-08	3.11E-08	8.62E-08	2.49E-08	1.28E-08	3.76E-08
256	570194.71	4215698.6	3.40E-07	1.93E-07	5.33E-07	5.20E-08	2.93E-08	8.13E-08	2.34E-08	1.21E-08	3.55E-08
257	570177.39	4215700.69	3.23E-07	1.83E-07	5.06E-07	4.93E-08	2.78E-08	7.71E-08	2.23E-08	1.15E-08	3.37E-08
258	570160.08	4215702.79	3.08E-07	1.74E-07	4.82E-07	4.70E-08	2.65E-08	7.35E-08	2.12E-08	1.09E-08	3.21E-08
259	570142.77	4215704.88	2.94E-07	1.67E-07	4.61E-07	4.49E-08	2.53E-08	7.03E-08	2.03E-08	1.04E-08	3.07E-08
260	570125.45	4215706.97	2.83E-07	1.60E-07	4.43E-07	4.32E-08	2.44E-08	6.76E-08	1.95E-08	1.00E-08	2.95E-08
261	570108.14	4215709.06	2.73E-07	1.54E-07	4.27E-07	4.16E-08	2.35E-08	6.51E-08	1.88E-08	9.67E-09	2.85E-08
262	570280.87	4215685.56	4.84E-07	2.74E-07	7.59E-07	7.39E-08	4.17E-08	1.16E-07	3.34E-08	1.72E-08	5.05E-08
263	570297.39	4215678.28	5.38E-07	3.05E-07	8.43E-07	8.22E-08	4.64E-08	1.29E-07	3.71E-08	1.91E-08	5.62E-08
264	570305.64	4215674.64	5.66E-07	3.21E-07	8.87E-07	8.64E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
265	570322.16	4215667.36	6.24E-07	3.53E-07	9.77E-07	9.53E-08	5.38E-08	1.49E-07	4.30E-08	2.21E-08	6.51E-08
266	570330.42	4215663.73	6.53E-07	3.70E-07	1.02E-06	9.97E-08	5.63E-08	1.56E-07	4.50E-08	2.32E-08	6.82E-08
267	570346.93	4215656.45	7.12E-07	4.03E-07	1.12E-06	1.09E-07	6.13E-08	1.70E-07	4.91E-08	2.53E-08	7.43E-08
268	570267.7	4215699.43	4.17E-07	2.36E-07	6.54E-07	6.37E-08	3.59E-08	9.96E-08	2.87E-08	1.48E-08	4.35E-08
269	570249.81	4215701.59	3.88E-07	2.20E-07	6.08E-07	5.92E-08	3.34E-08	9.27E-08	2.67E-08	1.38E-08	4.05E-08
270	570231.92	4215703.75	3.61E-07	2.05E-07	5.66E-07	5.52E-08	3.11E-08	8.63E-08	2.49E-08	1.28E-08	3.77E-08
271	570222.98	4215704.83	3.50E-07	1.98E-07	5.49E-07	5.35E-08	3.02E-08	8.37E-08	2.41E-08	1.24E-08	3.66E-08
272	570214.03	4215705.91	3.40E-07	1.93E-07	5.33E-07	5.19E-08	2.93E-08	8.12E-08	2.34E-08	1.21E-08	3.55E-08
273	570196.14	4215708.07	3.22E-07	1.83E-07	5.05E-07	4.92E-08	2.78E-08	7.70E-08	2.22E-08	1.14E-08	3.36E-08
274	570178.25	4215710.23	3.07E-07	1.74E-07	4.81E-07	4.69E-08	2.65E-08	7.34E-08	2.12E-08	1.09E-08	3.21E-08
275	570169.31	4215711.31	3.00E-07	1.70E-07	4.70E-07	4.58E-08	2.59E-08	7.17E-08	2.07E-08	1.06E-08	3.13E-08
276	570151.42	4215713.47	2.86E-07	1.62E-07	4.49E-07	4.37E-08	2.47E-08	6.84E-08	1.97E-08	1.02E-08	2.99E-08
277	570133.53	4215715.63	2.75E-07	1.56E-07	4.30E-07	4.19E-08	2.37E-08	6.56E-08	1.89E-08	9.74E-09	2.87E-08
278	570115.63	4215717.79	2.64E-07	1.50E-07	4.14E-07	4.04E-08	2.28E-08	6.32E-08	1.82E-08	9.38E-09	2.76E-08
279	570284.9	4215694.71	4.56E-07	2.58E-07	7.15E-07	6.97E-08	3.93E-08	1.09E-07	3.14E-08	1.62E-08	4.76E-08
280	570293.16	4215691.07	4.81E-07	2.73E-07	7.54E-07	7.35E-08	4.15E-08	1.15E-07	3.32E-08	1.71E-08	5.02E-08
281	570309.68	4215683.79	5.34E-07	3.02E-07	8.36E-07	8.15E-08	4.60E-08	1.27E-07	3.68E-08	1.89E-08	5.57E-08
282	570317.94	4215680.15	5.61E-07	3.18E-07	8.79E-07	8.57E-08	4.84E-08	1.34E-07	3.87E-08	1.99E-08	5.86E-08
283	570334.45	4215672.88	6.16E-07	3.49E-07	9.66E-07	9.41E-08	5.31E-08	1.47E-07	4.25E-08	2.19E-08	6.43E-08
284	570342.71	4215669.24	6.44E-07	3.65E-07	1.01E-06	9.83E-08	5.55E-08	1.54E-07	4.44E-08	2.28E-08	6.72E-08
285	570282.22	4215444.01	3.63E-06	2.06E-06	5.69E-06	5.55E-07	3.13E-07	8.68E-07	2.50E-07	1.29E-07	3.79E-07
286	570275.56	4215450.77	3.54E-06	2.00E-06	5.54E-06	5.40E-07	3.05E-07	8.44E-07	2.44E-07	1.25E-07	3.69E-07
287	570268.91	4215457.52	3.40E-06	1.93E-06	5.33E-06	5.20E-07	2.93E-07	8.13E-07	2.35E-07	1.21E-07	3.55E-07
288	570298.64	4215440.59	3.47E-06	1.96E-06	5.43E-06	5.30E-07	2.99E-07	8.28E-07	2.39E-07	1.23E-07	3.62E-07
289	570292.17	4215447.16	3.41E-06	1.93E-06	5.35E-06	5.21E-07	2.94E-07	8.15E-07	2.35E-07	1.21E-07	3.56E-07
290	570285.7	4215453.73	3.34E-06	1.89E-06	5.23E-06	5.10E-07	2.88E-07	7.98E-07	2.30E-07	1.18E-07	3.49E-07
291	570279.23	4215460.29	3.24E-06	1.84E-06	5.07E-06	4.95E-07	2.79E-07	7.74E-07	2.23E-07	1.15E-07	3.38E-07
292	570272.76	4215466.86	3.11E-06	1.76E-06	4.87E-06	4.75E-07	2.68E-07	7.43E-07	2.14E-07	1.10E-07	3.25E-07
293	570308.28	4215444.05	3.27E-06	1.85E-06	5.13E-06	5.00E-07	2.82E-07	7.82E-07	2.25E-07	1.16E-07	3.42E-07
294	570301.95	4215450.47	3.23E-06	1.83E-06	5.06E-06	4.93E-07	2.78E-07	7.71E-07	2.22E-07	1.14E-07	3.37E-07
295	570295.63	4215456.89	3.16E-06	1.79E-06	4.95E-06	4.83E-07	2.72E-07	7.55E-07	2.18E-07	1.12E-07	3.30E-07
296	570289.3	4215463.31	3.08E-06	1.74E-06	4.82E-06	4.70E-07	2.65E-07	7.36E-07	2.12E-07	1.09E-07	3.21E-07
297	570276.64	4215476.16	2.84E-06	1.61E-06	4.45E-06	4.34E-07	2.45E-07	6.78E-07	1.96E-07	1.01E-07	2.96E-07
298	570322.67	4215442.69	3.11E-06	1.76E-06	4.87E-06	4.75E-07	2.68E-07	7.42E-07	2.14E-07	1.10E-07	3.24E-07
299	570315.77	4215449.7	3.08E-06	1.75E-06	4.83E-06	4.71E-07	2.66E-07	7.36E-07	2.12E-07	1.09E-07	3.22E-07
300	570308.86	4215456.7	3.04E-06	1.72E-06	4.76E-06	4.64E-07	2.62E-07	7.25E-07	2.09E-07	1.08E-07	3.17E-07
301	570301.96	4215463.71	2.97E-06	1.68E-06	4.65E-06	4.53E-07	2.56E-07	7.08E-07	2.04E-07	1.05E-07	3.10E-07
302	570295.06	4215470.71	2.87E-06	1.63E-06	4.50E-06	4.38E-07	2.47E-07	6.86E-07	1.98E-07	1.02E-07	3.00E-07
303	570288.15	4215477.72	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.58E-07	1.90E-07	9.77E-08	2.87E-07
304	570281.25	4215484.73	2.62E-06	1.48E-06	4.10E-06	3.99E-07	2.25E-07	6.25E-07	1.80E-07	9.28E-08	2.73E-07
305	570338.95	4215439.41	2.91E-06	1.65E-06	4.56E-06	4.44E-07	2.51E-07	6.95E-07	2.01E-07	1.03E-07	3.04E-07
306	570332.22	4215446.24	2.93E-06	1.66E-06	4.59E-06	4.47E-07	2.52E-07	6.99E-07	2.02E-07	1.04E-07	3.06E-07

307	570325.49	4215453.07	2.92E-06	1.65E-06	4.57E-06	4.46E-07	2.52E-07	6.98E-07	2.01E-07	1.04E-07	3.05E-07
308	570318.76	4215459.9	2.88E-06	1.63E-06	4.52E-06	4.40E-07	2.48E-07	6.89E-07	1.99E-07	1.02E-07	3.01E-07
309	570312.03	4215466.73	2.83E-06	1.60E-06	4.43E-06	4.32E-07	2.44E-07	6.75E-07	1.95E-07	1.00E-07	2.95E-07
310	570305.3	4215473.56	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.57E-07	1.90E-07	9.76E-08	2.87E-07
311	570298.57	4215480.39	2.65E-06	1.50E-06	4.15E-06	4.05E-07	2.28E-07	6.33E-07	1.83E-07	9.41E-08	2.77E-07
312	570291.84	4215487.22	2.53E-06	1.44E-06	3.97E-06	3.87E-07	2.18E-07	6.05E-07	1.75E-07	8.99E-08	2.64E-07
313	570285.11	4215494.05	2.40E-06	1.36E-06	3.77E-06	3.67E-07	2.07E-07	5.74E-07	1.66E-07	8.53E-08	2.51E-07
314	570355.74	4215398.93	2.92E-06	1.66E-06	4.58E-06	4.46E-07	2.52E-07	6.98E-07	2.01E-07	1.04E-07	3.05E-07
315	570355.53	4215408.32	2.87E-06	1.62E-06	4.49E-06	4.38E-07	2.47E-07	6.85E-07	1.97E-07	1.02E-07	2.99E-07
316	570355.32	4215417.7	2.82E-06	1.60E-06	4.42E-06	4.31E-07	2.43E-07	6.74E-07	1.94E-07	1.00E-07	2.94E-07
317	570348.3	4215443.16	2.75E-06	1.56E-06	4.30E-06	4.20E-07	2.37E-07	6.56E-07	1.89E-07	9.75E-08	2.87E-07
318	570341.72	4215449.85	2.77E-06	1.57E-06	4.34E-06	4.23E-07	2.39E-07	6.62E-07	1.91E-07	9.82E-08	2.89E-07
319	570335.13	4215456.54	2.77E-06	1.57E-06	4.34E-06	4.23E-07	2.39E-07	6.61E-07	1.91E-07	9.82E-08	2.89E-07
320	570328.54	4215463.22	2.74E-06	1.55E-06	4.30E-06	4.19E-07	2.36E-07	6.55E-07	1.89E-07	9.73E-08	2.86E-07
321	570321.95	4215469.91	2.70E-06	1.53E-06	4.22E-06	4.12E-07	2.32E-07	6.44E-07	1.86E-07	9.57E-08	2.82E-07
322	570315.36	4215476.6	2.64E-06	1.49E-06	4.13E-06	4.03E-07	2.27E-07	6.30E-07	1.82E-07	9.35E-08	2.75E-07
323	570308.77	4215483.28	2.55E-06	1.45E-06	4.00E-06	3.90E-07	2.20E-07	6.10E-07	1.76E-07	9.06E-08	2.67E-07
324	570302.18	4215489.97	2.46E-06	1.39E-06	3.85E-06	3.75E-07	2.12E-07	5.86E-07	1.69E-07	8.71E-08	2.56E-07
325	570295.59	4215496.66	2.34E-06	1.33E-06	3.67E-06	3.57E-07	2.02E-07	5.59E-07	1.61E-07	8.30E-08	2.44E-07
326	570289	4215503.35	2.22E-06	1.26E-06	3.48E-06	3.39E-07	1.91E-07	5.31E-07	1.53E-07	7.88E-08	2.32E-07
327	570365.14	4215394.28	2.80E-06	1.58E-06	4.38E-06	4.27E-07	2.41E-07	6.68E-07	1.93E-07	9.92E-08	2.92E-07
328	570364.93	4215403.5	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.57E-07	1.89E-07	9.75E-08	2.87E-07
329	570364.73	4215412.72	2.71E-06	1.53E-06	4.24E-06	4.14E-07	2.33E-07	6.47E-07	1.87E-07	9.61E-08	2.83E-07
330	570357.63	4215446.94	2.61E-06	1.48E-06	4.08E-06	3.98E-07	2.25E-07	6.23E-07	1.80E-07	9.24E-08	2.72E-07
331	570351.16	4215453.51	2.63E-06	1.49E-06	4.12E-06	4.02E-07	2.27E-07	6.28E-07	1.81E-07	9.33E-08	2.75E-07
332	570344.69	4215460.07	2.64E-06	1.49E-06	4.13E-06	4.03E-07	2.27E-07	6.30E-07	1.82E-07	9.35E-08	2.75E-07
333	570338.22	4215466.64	2.62E-06	1.48E-06	4.10E-06	4.00E-07	2.26E-07	6.26E-07	1.81E-07	9.29E-08	2.73E-07
334	570331.75	4215473.21	2.58E-06	1.46E-06	4.04E-06	3.94E-07	2.22E-07	6.17E-07	1.78E-07	9.16E-08	2.69E-07
335	570325.27	4215479.78	2.53E-06	1.43E-06	3.96E-06	3.86E-07	2.18E-07	6.04E-07	1.74E-07	8.97E-08	2.64E-07
336	570318.8	4215486.35	2.46E-06	1.39E-06	3.85E-06	3.76E-07	2.12E-07	5.88E-07	1.70E-07	8.73E-08	2.57E-07
337	570312.33	4215492.91	2.38E-06	1.35E-06	3.72E-06	3.63E-07	2.05E-07	5.68E-07	1.64E-07	8.43E-08	2.48E-07
338	570305.86	4215499.48	2.28E-06	1.29E-06	3.57E-06	3.48E-07	1.96E-07	5.44E-07	1.57E-07	8.08E-08	2.38E-07
339	570299.39	4215506.05	2.17E-06	1.23E-06	3.40E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.70E-08	2.27E-07
340	570292.92	4215512.62	2.06E-06	1.17E-06	3.22E-06	3.14E-07	1.77E-07	4.92E-07	1.42E-07	7.30E-08	2.15E-07
341	570374.42	4215395.11	2.65E-06	1.50E-06	4.15E-06	4.05E-07	2.28E-07	6.33E-07	1.83E-07	9.40E-08	2.77E-07
342	570374.2	4215404.94	2.61E-06	1.48E-06	4.09E-06	3.99E-07	2.25E-07	6.23E-07	1.80E-07	9.26E-08	2.72E-07
343	570373.98	4215414.77	2.58E-06	1.46E-06	4.03E-06	3.93E-07	2.22E-07	6.15E-07	1.77E-07	9.13E-08	2.69E-07
344	570366.41	4215451.27	2.48E-06	1.41E-06	3.89E-06	3.79E-07	2.14E-07	5.93E-07	1.71E-07	8.80E-08	2.59E-07
345	570359.51	4215458.28	2.51E-06	1.42E-06	3.93E-06	3.83E-07	2.16E-07	5.99E-07	1.73E-07	8.89E-08	2.62E-07
346	570352.6	4215465.29	2.52E-06	1.43E-06	3.94E-06	3.85E-07	2.17E-07	6.02E-07	1.74E-07	8.93E-08	2.63E-07
347	570345.7	4215472.29	2.50E-06	1.41E-06	3.91E-06	3.81E-07	2.15E-07	5.96E-07	1.72E-07	8.85E-08	2.61E-07
348	570338.8	4215479.3	2.46E-06	1.39E-06	3.85E-06	3.75E-07	2.12E-07	5.87E-07	1.69E-07	8.71E-08	2.56E-07
349	570331.9	4215486.3	2.40E-06	1.36E-06	3.76E-06	3.67E-07	2.07E-07	5.74E-07	1.65E-07	8.52E-08	2.51E-07
350	570324.99	4215493.31	2.33E-06	1.32E-06	3.65E-06	3.56E-07	2.01E-07	5.56E-07	1.61E-07	8.26E-08	2.43E-07
351	570318.09	4215500.31	2.24E-06	1.27E-06	3.51E-06	3.42E-07	1.93E-07	5.35E-07	1.54E-07	7.95E-08	2.34E-07
352	570311.19	4215507.32	2.14E-06	1.21E-06	3.35E-06	3.27E-07	1.85E-07	5.12E-07	1.48E-07	7.60E-08	2.24E-07
353	570304.28	4215514.32	2.03E-06	1.15E-06	3.19E-06	3.10E-07	1.75E-07	4.86E-07	1.40E-07	7.21E-08	2.12E-07
354	570297.38	4215521.33	1.92E-06	1.09E-06	3.01E-06	2.93E-07	1.65E-07	4.58E-07	1.32E-07	6.81E-08	2.00E-07
355	570383.83	4215390.31	2.53E-06	1.43E-06	3.97E-06	3.87E-07	2.18E-07	6.05E-07	1.75E-07	8.98E-08	2.64E-07
356	570383.61	4215399.95	2.51E-06	1.42E-06	3.93E-06	3.83E-07	2.16E-07	5.99E-07	1.73E-07	8.89E-08	2.62E-07
357	570383.39	4215409.59	2.47E-06	1.40E-06	3.88E-06	3.78E-07	2.13E-07	5.91E-07	1.71E-07	8.78E-08	2.58E-07
358	570382.74	4215438.52	2.37E-06	1.34E-06	3.71E-06	3.61E-07	2.04E-07	5.65E-07	1.63E-07	8.39E-08	2.47E-07
359	570375.75	4215455.04	2.36E-06	1.34E-06	3.70E-06	3.61E-07	2.04E-07	5.65E-07	1.63E-07	8.38E-08	2.47E-07
360	570368.98	4215461.91	2.39E-06	1.35E-06	3.74E-06	3.65E-07	2.06E-07	5.70E-07	1.65E-07	8.47E-08	2.49E-07
361	570362.21	4215468.78	2.40E-06	1.36E-06	3.76E-06	3.66E-07	2.07E-07	5.73E-07	1.65E-07	8.51E-08	2.50E-07
362	570355.44	4215475.65	2.39E-06	1.35E-06	3.74E-06	3.65E-07	2.06E-07	5.71E-07	1.65E-07	8.47E-08	2.49E-07
363	570348.67	4215482.52	2.36E-06	1.34E-06	3.69E-06	3.60E-07	2.03E-07	5.63E-07	1.63E-07	8.37E-08	2.46E-07
364	570341.9	4215489.39	2.31E-06	1.31E-06	3.62E-06	3.53E-07	1.99E-07	5.52E-07	1.59E-07	8.20E-08	2.41E-07
365	570335.13	4215496.26	2.25E-06	1.28E-06	3.53E-06	3.44E-07	1.94E-07	5.38E-07	1.55E-07	7.99E-08	2.35E-07
366	570328.36	4215503.13	2.17E-06	1.23E-06	3.41E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.71E-08	2.27E-07
367	570321.59	4215510	2.09E-06	1.18E-06	3.27E-06	3.18E-07	1.80E-07	4.98E-07	1.44E-07	7.40E-08	2.18E-07
368	570314.82	4215516.87	1.99E-06	1.13E-06	3.12E-06	3.04E-07	1.71E-07	4.75E-07	1.37E-07	7.06E-08	2.08E-07

369	570308.05	4215523.74	1.89E-06	1.07E-06	2.96E-06	2.88E-07	1.63E-07	4.51E-07	1.30E-07	6.70E-08	1.97E-07
370	570301.28	4215530.61	1.79E-06	1.01E-06	2.80E-06	2.73E-07	1.54E-07	4.27E-07	1.23E-07	6.34E-08	1.87E-07
371	570393.01	4215395.17	2.40E-06	1.36E-06	3.76E-06	3.66E-07	2.07E-07	5.73E-07	1.65E-07	8.51E-08	2.50E-07
372	570392.8	4215404.66	2.37E-06	1.34E-06	3.72E-06	3.62E-07	2.04E-07	5.67E-07	1.64E-07	8.42E-08	2.48E-07
373	570392.59	4215414.14	2.35E-06	1.33E-06	3.68E-06	3.59E-07	2.02E-07	5.61E-07	1.62E-07	8.33E-08	2.45E-07
374	570391.95	4215442.58	2.26E-06	1.28E-06	3.53E-06	3.44E-07	1.94E-07	5.39E-07	1.55E-07	8.00E-08	2.35E-07
375	570385.08	4215458.82	2.25E-06	1.28E-06	3.53E-06	3.44E-07	1.94E-07	5.39E-07	1.55E-07	8.00E-08	2.35E-07
376	570378.42	4215465.57	2.28E-06	1.29E-06	3.57E-06	3.48E-07	1.96E-07	5.44E-07	1.57E-07	8.08E-08	2.38E-07
377	570371.76	4215472.33	2.29E-06	1.30E-06	3.58E-06	3.49E-07	1.97E-07	5.46E-07	1.58E-07	8.11E-08	2.39E-07
378	570365.11	4215479.08	2.28E-06	1.29E-06	3.57E-06	3.48E-07	1.97E-07	5.45E-07	1.57E-07	8.09E-08	2.38E-07
379	570358.45	4215485.84	2.26E-06	1.28E-06	3.54E-06	3.45E-07	1.95E-07	5.40E-07	1.56E-07	8.02E-08	2.36E-07
380	570351.79	4215492.59	2.23E-06	1.26E-06	3.49E-06	3.40E-07	1.92E-07	5.32E-07	1.53E-07	7.89E-08	2.32E-07
381	570345.14	4215499.35	2.17E-06	1.23E-06	3.40E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.71E-08	2.27E-07
382	570338.48	4215506.1	2.11E-06	1.19E-06	3.30E-06	3.22E-07	1.82E-07	5.03E-07	1.45E-07	7.47E-08	2.20E-07
383	570331.83	4215512.86	2.03E-06	1.15E-06	3.18E-06	3.10E-07	1.75E-07	4.85E-07	1.40E-07	7.20E-08	2.12E-07
384	570325.17	4215519.62	1.94E-06	1.10E-06	3.04E-06	2.96E-07	1.67E-07	4.64E-07	1.34E-07	6.88E-08	2.03E-07
385	570318.51	4215526.37	1.85E-06	1.05E-06	2.90E-06	2.82E-07	1.59E-07	4.42E-07	1.27E-07	6.56E-08	1.93E-07
386	570311.86	4215533.13	1.76E-06	9.98E-07	2.76E-06	2.69E-07	1.52E-07	4.21E-07	1.21E-07	6.25E-08	1.84E-07
387	570305.2	4215539.88	1.67E-06	9.45E-07	2.61E-06	2.55E-07	1.44E-07	3.98E-07	1.15E-07	5.92E-08	1.74E-07
388	570402.42	4215390.57	2.29E-06	1.30E-06	3.59E-06	3.50E-07	1.98E-07	5.48E-07	1.58E-07	8.14E-08	2.40E-07
389	570402.21	4215399.91	2.28E-06	1.29E-06	3.57E-06	3.48E-07	1.96E-07	5.44E-07	1.57E-07	8.07E-08	2.38E-07
390	570401.99	4215409.25	2.25E-06	1.28E-06	3.53E-06	3.44E-07	1.94E-07	5.39E-07	1.55E-07	8.00E-08	2.35E-07
391	570401.15	4215446.62	2.15E-06	1.22E-06	3.37E-06	3.29E-07	1.85E-07	5.14E-07	1.48E-07	7.63E-08	2.25E-07
392	570394.38	4215462.61	2.15E-06	1.22E-06	3.37E-06	3.28E-07	1.85E-07	5.14E-07	1.48E-07	7.63E-08	2.24E-07
393	570387.83	4215469.27	2.17E-06	1.23E-06	3.40E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.71E-08	2.27E-07
394	570381.27	4215475.92	2.18E-06	1.24E-06	3.42E-06	3.34E-07	1.88E-07	5.22E-07	1.51E-07	7.75E-08	2.28E-07
395	570374.71	4215482.58	2.18E-06	1.24E-06	3.42E-06	3.33E-07	1.88E-07	5.21E-07	1.50E-07	7.74E-08	2.28E-07
396	570368.15	4215489.24	2.17E-06	1.23E-06	3.39E-06	3.31E-07	1.87E-07	5.17E-07	1.49E-07	7.68E-08	2.26E-07
397	570361.6	4215495.89	2.14E-06	1.21E-06	3.35E-06	3.26E-07	1.84E-07	5.11E-07	1.47E-07	7.58E-08	2.23E-07
398	570355.04	4215502.55	2.10E-06	1.19E-06	3.28E-06	3.20E-07	1.81E-07	5.01E-07	1.44E-07	7.44E-08	2.19E-07
399	570348.48	4215509.2	2.04E-06	1.16E-06	3.20E-06	3.12E-07	1.76E-07	4.87E-07	1.41E-07	7.24E-08	2.13E-07
400	570341.92	4215515.86	1.97E-06	1.12E-06	3.09E-06	3.01E-07	1.70E-07	4.71E-07	1.36E-07	7.00E-08	2.06E-07
401	570335.36	4215522.51	1.90E-06	1.07E-06	2.97E-06	2.89E-07	1.63E-07	4.53E-07	1.31E-07	6.72E-08	1.98E-07
402	570328.81	4215529.17	1.81E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.33E-07	1.25E-07	6.43E-08	1.89E-07
403	570322.25	4215535.82	1.73E-06	9.80E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.14E-08	1.81E-07
404	570315.69	4215542.48	1.64E-06	9.32E-07	2.58E-06	2.51E-07	1.42E-07	3.93E-07	1.13E-07	5.83E-08	1.72E-07
405	570309.13	4215549.13	1.56E-06	8.81E-07	2.44E-06	2.37E-07	1.34E-07	3.71E-07	1.07E-07	5.52E-08	1.62E-07
406	570411.7	4215391.03	2.19E-06	1.24E-06	3.43E-06	3.34E-07	1.89E-07	5.23E-07	1.51E-07	7.76E-08	2.28E-07
407	570411.48	4215400.86	2.17E-06	1.23E-06	3.40E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.70E-08	2.27E-07
408	570411.26	4215410.69	2.15E-06	1.22E-06	3.37E-06	3.29E-07	1.85E-07	5.14E-07	1.48E-07	7.64E-08	2.25E-07
409	570410.59	4215440.19	2.08E-06	1.18E-06	3.27E-06	3.18E-07	1.80E-07	4.98E-07	1.44E-07	7.39E-08	2.18E-07
410	570410.37	4215450.02	2.06E-06	1.17E-06	3.22E-06	3.14E-07	1.77E-07	4.91E-07	1.42E-07	7.30E-08	2.15E-07
411	570403.25	4215466.86	2.05E-06	1.16E-06	3.22E-06	3.14E-07	1.77E-07	4.90E-07	1.41E-07	7.28E-08	2.14E-07
412	570396.34	4215473.87	2.07E-06	1.17E-06	3.25E-06	3.17E-07	1.79E-07	4.95E-07	1.43E-07	7.35E-08	2.16E-07
413	570389.44	4215480.87	2.09E-06	1.18E-06	3.27E-06	3.18E-07	1.80E-07	4.98E-07	1.44E-07	7.40E-08	2.18E-07
414	570382.54	4215487.88	2.09E-06	1.18E-06	3.27E-06	3.19E-07	1.80E-07	4.99E-07	1.44E-07	7.41E-08	2.18E-07
415	570375.64	4215494.88	2.07E-06	1.17E-06	3.25E-06	3.16E-07	1.79E-07	4.95E-07	1.43E-07	7.35E-08	2.16E-07
416	570368.73	4215501.89	2.04E-06	1.16E-06	3.19E-06	3.11E-07	1.76E-07	4.87E-07	1.41E-07	7.23E-08	2.13E-07
417	570361.83	4215508.89	2.00E-06	1.13E-06	3.13E-06	3.05E-07	1.72E-07	4.77E-07	1.38E-07	7.08E-08	2.08E-07
418	570354.93	4215515.9	1.94E-06	1.10E-06	3.04E-06	2.97E-07	1.67E-07	4.64E-07	1.34E-07	6.89E-08	2.03E-07
419	570348.03	4215522.91	1.88E-06	1.06E-06	2.94E-06	2.86E-07	1.62E-07	4.48E-07	1.29E-07	6.65E-08	1.96E-07
420	570341.12	4215529.91	1.80E-06	1.02E-06	2.82E-06	2.75E-07	1.55E-07	4.30E-07	1.24E-07	6.38E-08	1.88E-07
421	570334.22	4215536.92	1.72E-06	9.73E-07	2.69E-06	2.62E-07	1.48E-07	4.10E-07	1.18E-07	6.09E-08	1.79E-07
422	570327.32	4215543.92	1.63E-06	9.25E-07	2.56E-06	2.49E-07	1.41E-07	3.90E-07	1.13E-07	5.79E-08	1.70E-07
423	570320.41	4215550.93	1.55E-06	8.75E-07	2.42E-06	2.36E-07	1.33E-07	3.69E-07	1.06E-07	5.48E-08	1.61E-07
424	570313.51	4215557.93	1.45E-06	8.24E-07	2.28E-06	2.22E-07	1.25E-07	3.47E-07	1.00E-07	5.16E-08	1.52E-07
425	570421.11	4215386.32	2.09E-06	1.19E-06	3.28E-06	3.20E-07	1.80E-07	5.00E-07	1.44E-07	7.43E-08	2.19E-07
426	570420.89	4215396	2.08E-06	1.18E-06	3.27E-06	3.18E-07	1.80E-07	4.98E-07	1.44E-07	7.39E-08	2.18E-07
427	570420.67	4215405.68	2.07E-06	1.17E-06	3.24E-06	3.16E-07	1.78E-07	4.94E-07	1.43E-07	7.34E-08	2.16E-07
428	570420.45	4215415.36	2.05E-06	1.16E-06	3.22E-06	3.14E-07	1.77E-07	4.91E-07	1.42E-07	7.29E-08	2.14E-07
429	570419.8	4215444.39	1.99E-06	1.13E-06	3.12E-06	3.04E-07	1.71E-07	4.75E-07	1.37E-07	7.06E-08	2.08E-07
430	570419.58	4215454.07	1.96E-06	1.11E-06	3.07E-06	3.00E-07	1.69E-07	4.69E-07	1.35E-07	6.96E-08	2.05E-07

431	570412.56	4215470.65	1.96E-06	1.11E-06	3.07E-06	2.99E-07	1.69E-07	4.68E-07	1.35E-07	6.95E-08	2.04E-07
432	570405.77	4215477.54	1.98E-06	1.12E-06	3.10E-06	3.02E-07	1.70E-07	4.72E-07	1.36E-07	7.01E-08	2.06E-07
433	570398.98	4215484.44	1.99E-06	1.13E-06	3.12E-06	3.04E-07	1.71E-07	4.75E-07	1.37E-07	7.05E-08	2.08E-07
434	570392.18	4215491.34	1.99E-06	1.13E-06	3.12E-06	3.04E-07	1.72E-07	4.76E-07	1.37E-07	7.07E-08	2.08E-07
435	570385.39	4215498.23	1.99E-06	1.13E-06	3.11E-06	3.03E-07	1.71E-07	4.75E-07	1.37E-07	7.05E-08	2.07E-07
436	570378.59	4215505.13	1.96E-06	1.11E-06	3.07E-06	2.99E-07	1.69E-07	4.68E-07	1.35E-07	6.95E-08	2.05E-07
437	570371.8	4215512.02	1.92E-06	1.09E-06	3.01E-06	2.94E-07	1.66E-07	4.59E-07	1.32E-07	6.82E-08	2.01E-07
438	570365	4215518.92	1.88E-06	1.06E-06	2.94E-06	2.86E-07	1.62E-07	4.48E-07	1.29E-07	6.65E-08	1.96E-07
439	570358.21	4215525.82	1.82E-06	1.03E-06	2.85E-06	2.78E-07	1.57E-07	4.35E-07	1.26E-07	6.46E-08	1.90E-07
440	570351.41	4215532.71	1.76E-06	9.95E-07	2.75E-06	2.68E-07	1.51E-07	4.20E-07	1.21E-07	6.23E-08	1.83E-07
441	570344.62	4215539.61	1.68E-06	9.54E-07	2.64E-06	2.57E-07	1.45E-07	4.02E-07	1.16E-07	5.97E-08	1.76E-07
442	570337.82	4215546.51	1.61E-06	9.10E-07	2.52E-06	2.45E-07	1.38E-07	3.84E-07	1.11E-07	5.70E-08	1.68E-07
443	570331.03	4215553.4	1.52E-06	8.64E-07	2.39E-06	2.33E-07	1.31E-07	3.64E-07	1.05E-07	5.41E-08	1.59E-07
444	570324.23	4215560.3	1.44E-06	8.16E-07	2.26E-06	2.20E-07	1.24E-07	3.44E-07	9.92E-08	5.11E-08	1.50E-07
445	570317.44	4215567.19	1.35E-06	7.65E-07	2.11E-06	2.06E-07	1.16E-07	3.22E-07	9.30E-08	4.79E-08	1.41E-07
446	570430.51	4215381.76	2.00E-06	1.13E-06	3.14E-06	3.06E-07	1.73E-07	4.78E-07	1.38E-07	7.10E-08	2.09E-07
447	570430.29	4215391.3	2.00E-06	1.13E-06	3.13E-06	3.05E-07	1.72E-07	4.77E-07	1.38E-07	7.09E-08	2.09E-07
448	570430.08	4215400.85	1.99E-06	1.13E-06	3.12E-06	3.04E-07	1.72E-07	4.75E-07	1.37E-07	7.06E-08	2.08E-07
449	570429.86	4215410.39	1.98E-06	1.12E-06	3.10E-06	3.02E-07	1.71E-07	4.73E-07	1.36E-07	7.02E-08	2.07E-07
450	570429.22	4215439.02	1.92E-06	1.09E-06	3.01E-06	2.93E-07	1.65E-07	4.59E-07	1.32E-07	6.81E-08	2.00E-07
451	570429	4215448.56	1.90E-06	1.08E-06	2.97E-06	2.90E-07	1.64E-07	4.54E-07	1.31E-07	6.73E-08	1.98E-07
452	570428.78	4215458.11	1.87E-06	1.06E-06	2.93E-06	2.86E-07	1.61E-07	4.47E-07	1.29E-07	6.64E-08	1.96E-07
453	570421.87	4215474.45	1.87E-06	1.06E-06	2.92E-06	2.85E-07	1.61E-07	4.46E-07	1.29E-07	6.62E-08	1.95E-07
454	570415.17	4215481.25	1.89E-06	1.07E-06	2.95E-06	2.88E-07	1.62E-07	4.50E-07	1.30E-07	6.69E-08	1.97E-07
455	570408.47	4215488.05	1.90E-06	1.08E-06	2.97E-06	2.90E-07	1.64E-07	4.53E-07	1.31E-07	6.73E-08	1.98E-07
456	570401.77	4215494.85	1.90E-06	1.08E-06	2.98E-06	2.91E-07	1.64E-07	4.54E-07	1.31E-07	6.75E-08	1.99E-07
457	570395.07	4215501.65	1.90E-06	1.07E-06	2.97E-06	2.89E-07	1.63E-07	4.53E-07	1.31E-07	6.72E-08	1.98E-07
458	570388.37	4215508.45	1.88E-06	1.06E-06	2.94E-06	2.87E-07	1.62E-07	4.49E-07	1.29E-07	6.66E-08	1.96E-07
459	570381.67	4215515.25	1.85E-06	1.05E-06	2.90E-06	2.83E-07	1.59E-07	4.42E-07	1.28E-07	6.56E-08	1.93E-07
460	570374.97	4215522.04	1.81E-06	1.03E-06	2.84E-06	2.76E-07	1.56E-07	4.32E-07	1.25E-07	6.42E-08	1.89E-07
461	570368.27	4215528.84	1.76E-06	9.98E-07	2.76E-06	2.69E-07	1.52E-07	4.21E-07	1.21E-07	6.25E-08	1.84E-07
462	570361.57	4215535.64	1.71E-06	9.66E-07	2.67E-06	2.60E-07	1.47E-07	4.07E-07	1.18E-07	6.05E-08	1.78E-07
463	570354.87	4215542.44	1.64E-06	9.31E-07	2.58E-06	2.51E-07	1.42E-07	3.93E-07	1.13E-07	5.83E-08	1.72E-07
464	570348.17	4215549.24	1.57E-06	8.92E-07	2.47E-06	2.40E-07	1.36E-07	3.76E-07	1.08E-07	5.58E-08	1.64E-07
465	570341.47	4215556.04	1.50E-06	8.49E-07	2.35E-06	2.29E-07	1.29E-07	3.58E-07	1.03E-07	5.32E-08	1.56E-07
466	570334.77	4215562.84	1.42E-06	8.05E-07	2.23E-06	2.17E-07	1.22E-07	3.39E-07	9.79E-08	5.04E-08	1.48E-07
467	570328.07	4215569.64	1.34E-06	7.58E-07	2.10E-06	2.04E-07	1.15E-07	3.20E-07	9.22E-08	4.75E-08	1.40E-07
468	570321.37	4215576.44	1.25E-06	7.10E-07	1.96E-06	1.91E-07	1.08E-07	3.00E-07	8.64E-08	4.45E-08	1.31E-07
469	570439.69	4215386.74	1.91E-06	1.08E-06	3.00E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.79E-08	2.00E-07
470	570439.48	4215396.16	1.91E-06	1.08E-06	2.99E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.78E-08	2.00E-07
471	570439.27	4215405.59	1.91E-06	1.08E-06	2.99E-06	2.91E-07	1.64E-07	4.55E-07	1.31E-07	6.76E-08	1.99E-07
472	570439.05	4215415.01	1.89E-06	1.07E-06	2.96E-06	2.89E-07	1.63E-07	4.52E-07	1.30E-07	6.71E-08	1.98E-07
473	570438.42	4215443.28	1.83E-06	1.04E-06	2.87E-06	2.80E-07	1.58E-07	4.38E-07	1.26E-07	6.51E-08	1.91E-07
474	570438.2	4215452.7	1.81E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.33E-07	1.25E-07	6.43E-08	1.89E-07
475	570437.99	4215462.12	1.79E-06	1.01E-06	2.80E-06	2.73E-07	1.54E-07	4.27E-07	1.23E-07	6.35E-08	1.87E-07
476	570431.16	4215478.26	1.78E-06	1.01E-06	2.78E-06	2.71E-07	1.53E-07	4.24E-07	1.22E-07	6.30E-08	1.85E-07
477	570424.55	4215484.97	1.79E-06	1.02E-06	2.81E-06	2.74E-07	1.55E-07	4.29E-07	1.24E-07	6.37E-08	1.87E-07
478	570417.93	4215491.69	1.81E-06	1.02E-06	2.83E-06	2.76E-07	1.56E-07	4.32E-07	1.25E-07	6.42E-08	1.89E-07
479	570411.32	4215498.4	1.82E-06	1.03E-06	2.85E-06	2.77E-07	1.56E-07	4.34E-07	1.25E-07	6.44E-08	1.90E-07
480	570404.7	4215505.11	1.81E-06	1.03E-06	2.84E-06	2.76E-07	1.56E-07	4.33E-07	1.25E-07	6.42E-08	1.89E-07
481	570398.09	4215511.83	1.80E-06	1.02E-06	2.82E-06	2.74E-07	1.55E-07	4.29E-07	1.24E-07	6.37E-08	1.88E-07
482	570391.47	4215518.54	1.78E-06	1.01E-06	2.78E-06	2.71E-07	1.53E-07	4.24E-07	1.22E-07	6.30E-08	1.85E-07
483	570384.86	4215525.25	1.74E-06	9.88E-07	2.73E-06	2.66E-07	1.50E-07	4.17E-07	1.20E-07	6.19E-08	1.82E-07
484	570378.24	4215531.97	1.70E-06	9.64E-07	2.66E-06	2.60E-07	1.47E-07	4.06E-07	1.17E-07	6.03E-08	1.78E-07
485	570371.63	4215538.68	1.65E-06	9.36E-07	2.59E-06	2.52E-07	1.42E-07	3.94E-07	1.14E-07	5.86E-08	1.72E-07
486	570365.01	4215545.4	1.60E-06	9.04E-07	2.50E-06	2.44E-07	1.38E-07	3.81E-07	1.10E-07	5.66E-08	1.67E-07
487	570358.4	4215552.11	1.54E-06	8.70E-07	2.41E-06	2.35E-07	1.32E-07	3.67E-07	1.06E-07	5.45E-08	1.60E-07
488	570351.78	4215558.82	1.47E-06	8.33E-07	2.30E-06	2.24E-07	1.27E-07	3.51E-07	1.01E-07	5.21E-08	1.53E-07
489	570345.17	4215565.54	1.40E-06	7.92E-07	2.19E-06	2.13E-07	1.20E-07	3.34E-07	9.63E-08	4.96E-08	1.46E-07
490	570338.55	4215572.25	1.32E-06	7.50E-07	2.07E-06	2.02E-07	1.14E-07	3.16E-07	9.12E-08	4.69E-08	1.38E-07
491	570331.94	4215578.96	1.25E-06	7.06E-07	1.95E-06	1.90E-07	1.07E-07	2.98E-07	8.59E-08	4.42E-08	1.30E-07
492	570325.32	4215585.68	1.13E-06	6.38E-07	1.76E-06	1.72E-07	9.70E-08	2.69E-07	7.76E-08	3.99E-08	1.18E-07

493	570449.21	4215377.12	1.83E-06	1.04E-06	2.87E-06	2.80E-07	1.58E-07	4.38E-07	1.26E-07	6.50E-08	1.91E-07
494	570448.98	4215386.95	1.83E-06	1.04E-06	2.87E-06	2.80E-07	1.58E-07	4.38E-07	1.26E-07	6.50E-08	1.91E-07
495	570448.76	4215396.78	1.83E-06	1.04E-06	2.87E-06	2.79E-07	1.58E-07	4.37E-07	1.26E-07	6.49E-08	1.91E-07
496	570448.54	4215406.62	1.82E-06	1.03E-06	2.86E-06	2.79E-07	1.57E-07	4.36E-07	1.26E-07	6.47E-08	1.90E-07
497	570448.32	4215416.45	1.81E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.33E-07	1.25E-07	6.42E-08	1.89E-07
498	570447.65	4215445.95	1.76E-06	9.94E-07	2.75E-06	2.68E-07	1.51E-07	4.19E-07	1.21E-07	6.23E-08	1.83E-07
499	570447.43	4215455.78	1.73E-06	9.82E-07	2.72E-06	2.65E-07	1.49E-07	4.14E-07	1.19E-07	6.15E-08	1.81E-07
500	570447.21	4215465.61	1.71E-06	9.68E-07	2.68E-06	2.61E-07	1.47E-07	4.08E-07	1.18E-07	6.06E-08	1.78E-07
501	570440.09	4215482.45	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.05E-07	1.17E-07	6.01E-08	1.77E-07
502	570433.18	4215489.45	1.71E-06	9.69E-07	2.68E-06	2.61E-07	1.47E-07	4.08E-07	1.18E-07	6.06E-08	1.78E-07
503	570426.28	4215496.46	1.72E-06	9.76E-07	2.70E-06	2.63E-07	1.48E-07	4.12E-07	1.19E-07	6.11E-08	1.80E-07
504	570419.38	4215503.46	1.73E-06	9.80E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.14E-08	1.81E-07
505	570412.47	4215510.47	1.73E-06	9.80E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.13E-08	1.80E-07
506	570405.57	4215517.48	1.72E-06	9.72E-07	2.69E-06	2.62E-07	1.48E-07	4.10E-07	1.18E-07	6.08E-08	1.79E-07
507	570398.67	4215524.48	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.04E-07	1.17E-07	6.01E-08	1.77E-07
508	570391.77	4215531.49	1.66E-06	9.41E-07	2.60E-06	2.54E-07	1.43E-07	3.97E-07	1.14E-07	5.89E-08	1.73E-07
509	570384.86	4215538.49	1.62E-06	9.18E-07	2.54E-06	2.47E-07	1.40E-07	3.87E-07	1.12E-07	5.75E-08	1.69E-07
510	570377.96	4215545.5	1.57E-06	8.90E-07	2.46E-06	2.40E-07	1.35E-07	3.75E-07	1.08E-07	5.57E-08	1.64E-07
511	570371.06	4215552.5	1.52E-06	8.59E-07	2.38E-06	2.32E-07	1.31E-07	3.62E-07	1.04E-07	5.38E-08	1.58E-07
512	570364.16	4215559.51	1.46E-06	8.25E-07	2.28E-06	2.22E-07	1.25E-07	3.48E-07	1.00E-07	5.16E-08	1.52E-07
513	570357.25	4215566.51	1.39E-06	7.87E-07	2.18E-06	2.12E-07	1.20E-07	3.32E-07	9.58E-08	4.93E-08	1.45E-07
514	570350.35	4215573.52	1.32E-06	7.47E-07	2.07E-06	2.01E-07	1.14E-07	3.15E-07	9.09E-08	4.68E-08	1.38E-07
515	570343.45	4215580.53	1.25E-06	7.06E-07	1.95E-06	1.90E-07	1.07E-07	2.98E-07	8.58E-08	4.42E-08	1.30E-07
516	570336.54	4215587.53	1.17E-06	6.63E-07	1.83E-06	1.79E-07	1.01E-07	2.80E-07	8.07E-08	4.15E-08	1.22E-07
517	570329.64	4215594.54	1.10E-06	6.21E-07	1.72E-06	1.67E-07	9.44E-08	2.62E-07	7.55E-08	3.89E-08	1.14E-07
518	570458.61	4215372.61	1.76E-06	9.99E-07	2.76E-06	2.69E-07	1.52E-07	4.21E-07	1.22E-07	6.26E-08	1.84E-07
519	570458.39	4215382.31	1.76E-06	9.97E-07	2.76E-06	2.69E-07	1.52E-07	4.20E-07	1.21E-07	6.24E-08	1.84E-07
520	570458.17	4215392.01	1.76E-06	9.94E-07	2.75E-06	2.68E-07	1.51E-07	4.19E-07	1.21E-07	6.23E-08	1.83E-07
521	570457.95	4215401.72	1.75E-06	9.90E-07	2.74E-06	2.67E-07	1.51E-07	4.17E-07	1.20E-07	6.20E-08	1.82E-07
522	570457.73	4215411.42	1.74E-06	9.84E-07	2.72E-06	2.65E-07	1.50E-07	4.15E-07	1.20E-07	6.16E-08	1.81E-07
523	570457.07	4215440.53	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.04E-07	1.17E-07	6.01E-08	1.77E-07
524	570456.85	4215450.23	1.67E-06	9.48E-07	2.62E-06	2.56E-07	1.44E-07	4.00E-07	1.15E-07	5.94E-08	1.75E-07
525	570456.64	4215459.93	1.65E-06	9.36E-07	2.59E-06	2.52E-07	1.42E-07	3.95E-07	1.14E-07	5.86E-08	1.72E-07
526	570456.42	4215469.64	1.62E-06	9.20E-07	2.54E-06	2.48E-07	1.40E-07	3.88E-07	1.12E-07	5.76E-08	1.70E-07
527	570449.39	4215486.25	1.61E-06	9.13E-07	2.52E-06	2.46E-07	1.39E-07	3.85E-07	1.11E-07	5.71E-08	1.68E-07
528	570442.57	4215493.17	1.63E-06	9.22E-07	2.55E-06	2.49E-07	1.40E-07	3.89E-07	1.12E-07	5.77E-08	1.70E-07
529	570435.76	4215500.08	1.64E-06	9.29E-07	2.57E-06	2.50E-07	1.41E-07	3.92E-07	1.13E-07	5.81E-08	1.71E-07
530	570428.95	4215506.99	1.65E-06	9.32E-07	2.58E-06	2.51E-07	1.42E-07	3.93E-07	1.13E-07	5.84E-08	1.72E-07
531	570422.14	4215513.91	1.65E-06	9.33E-07	2.58E-06	2.52E-07	1.42E-07	3.94E-07	1.14E-07	5.84E-08	1.72E-07
532	570415.33	4215520.82	1.64E-06	9.31E-07	2.57E-06	2.51E-07	1.42E-07	3.92E-07	1.13E-07	5.83E-08	1.71E-07
533	570408.51	4215527.73	1.63E-06	9.21E-07	2.55E-06	2.48E-07	1.40E-07	3.88E-07	1.12E-07	5.77E-08	1.70E-07
534	570401.7	4215534.65	1.60E-06	9.05E-07	2.50E-06	2.44E-07	1.38E-07	3.82E-07	1.10E-07	5.67E-08	1.67E-07
535	570394.89	4215541.56	1.56E-06	8.85E-07	2.45E-06	2.39E-07	1.35E-07	3.73E-07	1.08E-07	5.54E-08	1.63E-07
536	570388.08	4215548.47	1.52E-06	8.62E-07	2.38E-06	2.32E-07	1.31E-07	3.63E-07	1.05E-07	5.39E-08	1.59E-07
537	570381.27	4215555.39	1.47E-06	8.34E-07	2.31E-06	2.25E-07	1.27E-07	3.52E-07	1.01E-07	5.22E-08	1.54E-07
538	570374.45	4215562.3	1.42E-06	8.04E-07	2.22E-06	2.17E-07	1.22E-07	3.39E-07	9.77E-08	5.03E-08	1.48E-07
539	570367.64	4215569.21	1.36E-06	7.70E-07	2.13E-06	2.08E-07	1.17E-07	3.25E-07	9.37E-08	4.82E-08	1.42E-07
540	570360.83	4215576.13	1.30E-06	7.35E-07	2.03E-06	1.98E-07	1.12E-07	3.10E-07	8.94E-08	4.60E-08	1.35E-07
541	570354.02	4215583.04	1.23E-06	6.98E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.49E-08	4.37E-08	1.29E-07
542	570347.21	4215589.95	1.16E-06	6.59E-07	1.82E-06	1.78E-07	1.00E-07	2.78E-07	8.02E-08	4.13E-08	1.21E-07
543	570340.4	4215596.87	1.09E-06	6.20E-07	1.71E-06	1.67E-07	9.43E-08	2.61E-07	7.54E-08	3.88E-08	1.14E-07
544	570333.58	4215603.78	1.03E-06	5.81E-07	1.61E-06	1.57E-07	8.84E-08	2.45E-07	7.07E-08	3.64E-08	1.07E-07
545	570468	4215368.2	1.70E-06	9.62E-07	2.66E-06	2.59E-07	1.46E-07	4.06E-07	1.17E-07	6.03E-08	1.77E-07
546	570467.79	4215377.78	1.69E-06	9.60E-07	2.65E-06	2.59E-07	1.46E-07	4.05E-07	1.17E-07	6.01E-08	1.77E-07
547	570467.57	4215387.37	1.69E-06	9.56E-07	2.64E-06	2.58E-07	1.45E-07	4.03E-07	1.16E-07	5.99E-08	1.76E-07
548	570467.35	4215396.96	1.68E-06	9.51E-07	2.63E-06	2.56E-07	1.45E-07	4.01E-07	1.16E-07	5.95E-08	1.75E-07
549	570467.14	4215406.54	1.67E-06	9.44E-07	2.61E-06	2.54E-07	1.44E-07	3.98E-07	1.15E-07	5.91E-08	1.74E-07
550	570466.92	4215416.13	1.66E-06	9.39E-07	2.60E-06	2.53E-07	1.43E-07	3.96E-07	1.14E-07	5.88E-08	1.73E-07
551	570466.27	4215444.89	1.62E-06	9.16E-07	2.53E-06	2.47E-07	1.39E-07	3.86E-07	1.11E-07	5.74E-08	1.69E-07
552	570466.06	4215454.48	1.60E-06	9.05E-07	2.50E-06	2.44E-07	1.38E-07	3.82E-07	1.10E-07	5.67E-08	1.67E-07
553	570465.84	4215464.06	1.57E-06	8.92E-07	2.47E-06	2.40E-07	1.36E-07	3.76E-07	1.09E-07	5.59E-08	1.64E-07
554	570465.62	4215473.65	1.55E-06	8.76E-07	2.42E-06	2.36E-07	1.33E-07	3.69E-07	1.07E-07	5.48E-08	1.61E-07

555	570458.68	4215490.07	1.53E-06	8.68E-07	2.40E-06	2.34E-07	1.32E-07	3.66E-07	1.06E-07	5.43E-08	1.60E-07
556	570451.95	4215496.9	1.55E-06	8.77E-07	2.42E-06	2.36E-07	1.33E-07	3.70E-07	1.07E-07	5.49E-08	1.62E-07
557	570445.22	4215503.73	1.56E-06	8.84E-07	2.44E-06	2.38E-07	1.34E-07	3.73E-07	1.08E-07	5.53E-08	1.63E-07
558	570438.49	4215510.56	1.57E-06	8.88E-07	2.46E-06	2.39E-07	1.35E-07	3.74E-07	1.08E-07	5.56E-08	1.64E-07
559	570431.76	4215517.39	1.57E-06	8.89E-07	2.46E-06	2.40E-07	1.35E-07	3.75E-07	1.08E-07	5.57E-08	1.64E-07
560	570425.03	4215524.22	1.57E-06	8.88E-07	2.45E-06	2.39E-07	1.35E-07	3.74E-07	1.08E-07	5.56E-08	1.64E-07
561	570418.3	4215531.05	1.56E-06	8.82E-07	2.44E-06	2.38E-07	1.34E-07	3.72E-07	1.07E-07	5.52E-08	1.62E-07
562	570411.57	4215537.88	1.54E-06	8.71E-07	2.41E-06	2.35E-07	1.32E-07	3.67E-07	1.06E-07	5.45E-08	1.60E-07
563	570404.84	4215544.71	1.51E-06	8.54E-07	2.36E-06	2.30E-07	1.30E-07	3.60E-07	1.04E-07	5.35E-08	1.57E-07
564	570398.11	4215551.54	1.47E-06	8.33E-07	2.30E-06	2.25E-07	1.27E-07	3.51E-07	1.01E-07	5.22E-08	1.54E-07
565	570391.38	4215558.37	1.43E-06	8.09E-07	2.24E-06	2.18E-07	1.23E-07	3.41E-07	9.84E-08	5.07E-08	1.49E-07
566	570384.65	4215565.2	1.38E-06	7.82E-07	2.16E-06	2.11E-07	1.19E-07	3.30E-07	9.51E-08	4.89E-08	1.44E-07
567	570377.92	4215572.03	1.33E-06	7.52E-07	2.08E-06	2.03E-07	1.14E-07	3.17E-07	9.15E-08	4.71E-08	1.39E-07
568	570371.18	4215578.86	1.27E-06	7.21E-07	1.99E-06	1.94E-07	1.10E-07	3.04E-07	8.77E-08	4.51E-08	1.33E-07
569	570364.45	4215585.69	1.21E-06	6.88E-07	1.90E-06	1.85E-07	1.05E-07	2.90E-07	8.36E-08	4.31E-08	1.27E-07
570	570357.72	4215592.52	1.15E-06	6.52E-07	1.80E-06	1.76E-07	9.92E-08	2.75E-07	7.94E-08	4.09E-08	1.20E-07
571	570350.99	4215599.35	1.09E-06	6.17E-07	1.71E-06	1.66E-07	9.38E-08	2.60E-07	7.50E-08	3.86E-08	1.14E-07
572	570344.26	4215606.18	1.03E-06	5.81E-07	1.61E-06	1.57E-07	8.83E-08	2.45E-07	7.06E-08	3.64E-08	1.07E-07
573	570337.53	4215613.01	9.63E-07	5.45E-07	1.51E-06	1.47E-07	8.30E-08	2.30E-07	6.64E-08	3.42E-08	1.01E-07
574	570477.4	4215363.88	1.64E-06	9.26E-07	2.56E-06	2.50E-07	1.41E-07	3.91E-07	1.13E-07	5.80E-08	1.71E-07
575	570477.18	4215373.36	1.63E-06	9.25E-07	2.56E-06	2.49E-07	1.41E-07	3.90E-07	1.13E-07	5.79E-08	1.70E-07
576	570476.97	4215382.84	1.63E-06	9.22E-07	2.55E-06	2.48E-07	1.40E-07	3.89E-07	1.12E-07	5.77E-08	1.70E-07
577	570476.76	4215392.32	1.62E-06	9.16E-07	2.53E-06	2.47E-07	1.39E-07	3.86E-07	1.11E-07	5.74E-08	1.69E-07
578	570476.54	4215401.8	1.61E-06	9.09E-07	2.51E-06	2.45E-07	1.38E-07	3.83E-07	1.11E-07	5.69E-08	1.68E-07
579	570476.33	4215411.28	1.60E-06	9.04E-07	2.50E-06	2.44E-07	1.37E-07	3.81E-07	1.10E-07	5.66E-08	1.67E-07
580	570475.69	4215439.73	1.56E-06	8.86E-07	2.45E-06	2.39E-07	1.35E-07	3.73E-07	1.08E-07	5.55E-08	1.63E-07
581	570475.47	4215449.21	1.55E-06	8.76E-07	2.42E-06	2.36E-07	1.33E-07	3.69E-07	1.07E-07	5.48E-08	1.61E-07
582	570475.26	4215458.69	1.53E-06	8.64E-07	2.39E-06	2.33E-07	1.31E-07	3.64E-07	1.05E-07	5.41E-08	1.59E-07
583	570475.04	4215468.17	1.50E-06	8.51E-07	2.35E-06	2.29E-07	1.29E-07	3.59E-07	1.03E-07	5.33E-08	1.57E-07
584	570474.83	4215477.65	1.47E-06	8.35E-07	2.31E-06	2.25E-07	1.27E-07	3.52E-07	1.02E-07	5.23E-08	1.54E-07
585	570467.96	4215493.89	1.46E-06	8.26E-07	2.28E-06	2.23E-07	1.26E-07	3.48E-07	1.01E-07	5.17E-08	1.52E-07
586	570461.3	4215500.64	1.47E-06	8.34E-07	2.31E-06	2.25E-07	1.27E-07	3.52E-07	1.01E-07	5.22E-08	1.54E-07
587	570454.65	4215507.4	1.48E-06	8.40E-07	2.32E-06	2.26E-07	1.28E-07	3.54E-07	1.02E-07	5.26E-08	1.55E-07
588	570447.99	4215514.15	1.49E-06	8.45E-07	2.34E-06	2.28E-07	1.29E-07	3.56E-07	1.03E-07	5.29E-08	1.56E-07
589	570441.34	4215520.91	1.50E-06	8.48E-07	2.34E-06	2.28E-07	1.29E-07	3.57E-07	1.03E-07	5.31E-08	1.56E-07
590	570434.68	4215527.66	1.49E-06	8.47E-07	2.34E-06	2.28E-07	1.29E-07	3.57E-07	1.03E-07	5.30E-08	1.56E-07
591	570428.02	4215534.42	1.49E-06	8.42E-07	2.33E-06	2.27E-07	1.28E-07	3.55E-07	1.02E-07	5.27E-08	1.55E-07
592	570421.37	4215541.18	1.47E-06	8.34E-07	2.31E-06	2.25E-07	1.27E-07	3.52E-07	1.01E-07	5.22E-08	1.54E-07
593	570414.71	4215547.93	1.45E-06	8.23E-07	2.28E-06	2.22E-07	1.25E-07	3.47E-07	1.00E-07	5.15E-08	1.52E-07
594	570408.05	4215554.69	1.42E-06	8.06E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.80E-08	5.04E-08	1.48E-07
595	570401.4	4215561.44	1.38E-06	7.84E-07	2.17E-06	2.11E-07	1.19E-07	3.30E-07	9.53E-08	4.91E-08	1.44E-07
596	570394.74	4215568.2	1.34E-06	7.59E-07	2.10E-06	2.05E-07	1.15E-07	3.20E-07	9.23E-08	4.75E-08	1.40E-07
597	570388.09	4215574.95	1.29E-06	7.33E-07	2.03E-06	1.98E-07	1.11E-07	3.09E-07	8.91E-08	4.59E-08	1.35E-07
598	570381.43	4215581.71	1.24E-06	7.05E-07	1.95E-06	1.90E-07	1.07E-07	2.97E-07	8.57E-08	4.41E-08	1.30E-07
599	570374.77	4215588.46	1.19E-06	6.75E-07	1.87E-06	1.82E-07	1.03E-07	2.84E-07	8.21E-08	4.22E-08	1.24E-07
600	570368.12	4215595.22	1.14E-06	6.43E-07	1.78E-06	1.73E-07	9.78E-08	2.71E-07	7.82E-08	4.03E-08	1.19E-07
601	570361.46	4215601.97	1.08E-06	6.11E-07	1.69E-06	1.65E-07	9.29E-08	2.58E-07	7.43E-08	3.82E-08	1.13E-07
602	570354.81	4215608.73	1.02E-06	5.78E-07	1.60E-06	1.56E-07	8.79E-08	2.44E-07	7.03E-08	3.62E-08	1.07E-07
603	570348.15	4215615.48	9.62E-07	5.45E-07	1.51E-06	1.47E-07	8.29E-08	2.30E-07	6.63E-08	3.41E-08	1.00E-07
604	570341.49	4215622.24	9.05E-07	5.13E-07	1.42E-06	1.38E-07	7.80E-08	2.16E-07	6.24E-08	3.21E-08	9.45E-08
605	570486.71	4215363.21	1.57E-06	8.91E-07	2.46E-06	2.40E-07	1.36E-07	3.76E-07	1.08E-07	5.58E-08	1.64E-07
606	570486.49	4215373.04	1.57E-06	8.91E-07	2.46E-06	2.40E-07	1.35E-07	3.76E-07	1.08E-07	5.58E-08	1.64E-07
607	570486.27	4215382.87	1.57E-06	8.88E-07	2.46E-06	2.39E-07	1.35E-07	3.74E-07	1.08E-07	5.56E-08	1.64E-07
608	570486.04	4215392.71	1.56E-06	8.83E-07	2.44E-06	2.38E-07	1.34E-07	3.72E-07	1.07E-07	5.53E-08	1.63E-07
609	570485.82	4215402.54	1.55E-06	8.77E-07	2.43E-06	2.36E-07	1.33E-07	3.70E-07	1.07E-07	5.49E-08	1.62E-07
610	570485.6	4215412.37	1.54E-06	8.72E-07	2.41E-06	2.35E-07	1.33E-07	3.68E-07	1.06E-07	5.46E-08	1.61E-07
611	570484.94	4215441.87	1.50E-06	8.51E-07	2.35E-06	2.29E-07	1.29E-07	3.59E-07	1.04E-07	5.33E-08	1.57E-07
612	570484.71	4215451.7	1.48E-06	8.41E-07	2.33E-06	2.27E-07	1.28E-07	3.55E-07	1.02E-07	5.27E-08	1.55E-07
613	570484.49	4215461.53	1.46E-06	8.29E-07	2.29E-06	2.24E-07	1.26E-07	3.50E-07	1.01E-07	5.19E-08	1.53E-07
614	570484.27	4215471.37	1.44E-06	8.16E-07	2.26E-06	2.20E-07	1.24E-07	3.44E-07	9.92E-08	5.11E-08	1.50E-07
615	570484.05	4215481.2	1.41E-06	8.00E-07	2.21E-06	2.16E-07	1.22E-07	3.37E-07	9.73E-08	5.01E-08	1.47E-07
616	570476.92	4215498.04	1.39E-06	7.89E-07	2.18E-06	2.13E-07	1.20E-07	3.33E-07	9.59E-08	4.94E-08	1.45E-07

617	570470.02	4215505.04	1.40E-06	7.94E-07	2.19E-06	2.14E-07	1.21E-07	3.35E-07	9.66E-08	4.97E-08	1.46E-07
618	570463.12	4215512.05	1.41E-06	7.99E-07	2.21E-06	2.15E-07	1.22E-07	3.37E-07	9.72E-08	5.00E-08	1.47E-07
619	570456.22	4215519.05	1.42E-06	8.04E-07	2.22E-06	2.17E-07	1.22E-07	3.39E-07	9.77E-08	5.03E-08	1.48E-07
620	570449.31	4215526.06	1.42E-06	8.07E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.81E-08	5.05E-08	1.49E-07
621	570442.41	4215533.06	1.42E-06	8.06E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.81E-08	5.05E-08	1.49E-07
622	570435.51	4215540.07	1.41E-06	8.02E-07	2.22E-06	2.16E-07	1.22E-07	3.38E-07	9.75E-08	5.02E-08	1.48E-07
623	570428.6	4215547.07	1.40E-06	7.94E-07	2.20E-06	2.14E-07	1.21E-07	3.35E-07	9.66E-08	4.97E-08	1.46E-07
624	570421.7	4215554.08	1.38E-06	7.84E-07	2.17E-06	2.11E-07	1.19E-07	3.30E-07	9.53E-08	4.91E-08	1.44E-07
625	570414.8	4215561.08	1.36E-06	7.69E-07	2.13E-06	2.07E-07	1.17E-07	3.24E-07	9.35E-08	4.81E-08	1.42E-07
626	570407.9	4215568.09	1.32E-06	7.47E-07	2.07E-06	2.01E-07	1.14E-07	3.15E-07	9.09E-08	4.68E-08	1.38E-07
627	570400.99	4215575.1	1.28E-06	7.23E-07	2.00E-06	1.95E-07	1.10E-07	3.05E-07	8.80E-08	4.53E-08	1.33E-07
628	570394.09	4215582.1	1.23E-06	6.97E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.48E-08	4.37E-08	1.28E-07
629	570387.19	4215589.11	1.18E-06	6.70E-07	1.85E-06	1.81E-07	1.02E-07	2.82E-07	8.15E-08	4.19E-08	1.23E-07
630	570380.29	4215596.11	1.13E-06	6.40E-07	1.77E-06	1.73E-07	9.74E-08	2.70E-07	7.79E-08	4.01E-08	1.18E-07
631	570373.38	4215603.12	1.08E-06	6.10E-07	1.69E-06	1.64E-07	9.27E-08	2.57E-07	7.42E-08	3.82E-08	1.12E-07
632	570366.48	4215610.12	1.02E-06	5.78E-07	1.60E-06	1.56E-07	8.80E-08	2.44E-07	7.03E-08	3.62E-08	1.07E-07
633	570359.58	4215617.13	9.65E-07	5.47E-07	1.51E-06	1.47E-07	8.32E-08	2.31E-07	6.65E-08	3.42E-08	1.01E-07
634	570352.67	4215624.13	9.09E-07	5.15E-07	1.42E-06	1.39E-07	7.84E-08	2.17E-07	6.27E-08	3.23E-08	9.49E-08
635	570345.77	4215631.14	8.55E-07	4.84E-07	1.34E-06	1.31E-07	7.37E-08	2.04E-07	5.89E-08	3.03E-08	8.92E-08
636	570496.11	4215358.84	1.51E-06	8.58E-07	2.37E-06	2.31E-07	1.30E-07	3.62E-07	1.04E-07	5.37E-08	1.58E-07
637	570495.89	4215368.56	1.51E-06	8.58E-07	2.37E-06	2.31E-07	1.31E-07	3.62E-07	1.04E-07	5.37E-08	1.58E-07
638	570495.67	4215378.28	1.51E-06	8.57E-07	2.37E-06	2.31E-07	1.30E-07	3.61E-07	1.04E-07	5.37E-08	1.58E-07
639	570495.45	4215388	1.51E-06	8.54E-07	2.36E-06	2.30E-07	1.30E-07	3.60E-07	1.04E-07	5.35E-08	1.57E-07
640	570495.23	4215397.72	1.50E-06	8.50E-07	2.35E-06	2.29E-07	1.29E-07	3.58E-07	1.03E-07	5.32E-08	1.57E-07
641	570495.01	4215407.44	1.49E-06	8.45E-07	2.34E-06	2.28E-07	1.28E-07	3.56E-07	1.03E-07	5.29E-08	1.56E-07
642	570494.79	4215417.16	1.48E-06	8.39E-07	2.32E-06	2.26E-07	1.28E-07	3.54E-07	1.02E-07	5.26E-08	1.55E-07
643	570494.13	4215446.32	1.44E-06	8.16E-07	2.26E-06	2.20E-07	1.24E-07	3.44E-07	9.93E-08	5.11E-08	1.50E-07
644	570493.91	4215456.04	1.42E-06	8.06E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.81E-08	5.05E-08	1.49E-07
645	570493.69	4215465.76	1.40E-06	7.95E-07	2.20E-06	2.14E-07	1.21E-07	3.35E-07	9.67E-08	4.98E-08	1.46E-07
646	570493.47	4215475.49	1.38E-06	7.81E-07	2.16E-06	2.11E-07	1.19E-07	3.29E-07	9.50E-08	4.89E-08	1.44E-07
647	570493.26	4215485.21	1.35E-06	7.66E-07	2.12E-06	2.06E-07	1.16E-07	3.23E-07	9.32E-08	4.80E-08	1.41E-07
648	570486.21	4215501.85	1.33E-06	7.55E-07	2.09E-06	2.03E-07	1.15E-07	3.18E-07	9.18E-08	4.73E-08	1.39E-07
649	570479.39	4215508.78	1.34E-06	7.58E-07	2.10E-06	2.04E-07	1.15E-07	3.20E-07	9.22E-08	4.75E-08	1.40E-07
650	570472.56	4215515.7	1.34E-06	7.60E-07	2.10E-06	2.05E-07	1.16E-07	3.21E-07	9.25E-08	4.76E-08	1.40E-07
651	570465.74	4215522.63	1.35E-06	7.64E-07	2.11E-06	2.06E-07	1.16E-07	3.22E-07	9.29E-08	4.78E-08	1.41E-07
652	570458.91	4215529.56	1.35E-06	7.66E-07	2.12E-06	2.07E-07	1.17E-07	3.23E-07	9.32E-08	4.80E-08	1.41E-07
653	570452.09	4215536.48	1.35E-06	7.67E-07	2.12E-06	2.07E-07	1.17E-07	3.23E-07	9.33E-08	4.80E-08	1.41E-07
654	570445.27	4215543.41	1.35E-06	7.65E-07	2.12E-06	2.06E-07	1.16E-07	3.23E-07	9.31E-08	4.79E-08	1.41E-07
655	570438.44	4215550.33	1.34E-06	7.59E-07	2.10E-06	2.05E-07	1.16E-07	3.20E-07	9.24E-08	4.76E-08	1.40E-07
656	570431.62	4215557.26	1.32E-06	7.51E-07	2.08E-06	2.02E-07	1.14E-07	3.16E-07	9.13E-08	4.70E-08	1.38E-07
657	570424.79	4215564.19	1.30E-06	7.38E-07	2.04E-06	1.99E-07	1.12E-07	3.11E-07	8.97E-08	4.62E-08	1.36E-07
658	570417.97	4215571.11	1.27E-06	7.22E-07	2.00E-06	1.95E-07	1.10E-07	3.04E-07	8.78E-08	4.52E-08	1.33E-07
659	570411.14	4215578.04	1.24E-06	7.02E-07	1.94E-06	1.89E-07	1.07E-07	2.96E-07	8.54E-08	4.40E-08	1.29E-07
660	570404.32	4215584.96	1.20E-06	6.79E-07	1.88E-06	1.83E-07	1.03E-07	2.86E-07	8.26E-08	4.25E-08	1.25E-07
661	570397.5	4215591.89	1.15E-06	6.54E-07	1.81E-06	1.76E-07	9.95E-08	2.76E-07	7.96E-08	4.10E-08	1.21E-07
662	570390.67	4215598.82	1.11E-06	6.28E-07	1.74E-06	1.69E-07	9.55E-08	2.65E-07	7.64E-08	3.93E-08	1.16E-07
663	570383.85	4215605.74	1.06E-06	6.00E-07	1.66E-06	1.62E-07	9.13E-08	2.53E-07	7.30E-08	3.76E-08	1.11E-07
664	570377.02	4215612.67	1.01E-06	5.72E-07	1.58E-06	1.54E-07	8.70E-08	2.41E-07	6.96E-08	3.58E-08	1.05E-07
665	570370.2	4215619.59	9.57E-07	5.42E-07	1.50E-06	1.46E-07	8.25E-08	2.29E-07	6.60E-08	3.40E-08	9.99E-08
666	570363.37	4215626.52	9.05E-07	5.13E-07	1.42E-06	1.38E-07	7.80E-08	2.16E-07	6.24E-08	3.21E-08	9.45E-08
667	570356.55	4215633.44	8.54E-07	4.84E-07	1.34E-06	1.30E-07	7.36E-08	2.04E-07	5.89E-08	3.03E-08	8.92E-08
668	570349.73	4215640.37	8.04E-07	4.56E-07	1.26E-06	1.23E-07	6.93E-08	1.92E-07	5.54E-08	2.85E-08	8.39E-08
669	570505.5	4215354.54	1.46E-06	8.26E-07	2.28E-06	2.23E-07	1.26E-07	3.48E-07	1.01E-07	5.17E-08	1.52E-07
670	570505.28	4215364.16	1.46E-06	8.27E-07	2.29E-06	2.23E-07	1.26E-07	3.49E-07	1.01E-07	5.18E-08	1.52E-07
671	570505.07	4215373.78	1.46E-06	8.27E-07	2.29E-06	2.23E-07	1.26E-07	3.49E-07	1.01E-07	5.18E-08	1.52E-07
672	570504.85	4215383.4	1.46E-06	8.26E-07	2.28E-06	2.23E-07	1.26E-07	3.48E-07	1.00E-07	5.17E-08	1.52E-07
673	570504.63	4215393.02	1.45E-06	8.23E-07	2.28E-06	2.22E-07	1.25E-07	3.47E-07	1.00E-07	5.15E-08	1.52E-07
674	570504.42	4215402.64	1.45E-06	8.19E-07	2.26E-06	2.21E-07	1.25E-07	3.45E-07	9.96E-08	5.13E-08	1.51E-07
675	570504.2	4215412.26	1.44E-06	8.14E-07	2.25E-06	2.19E-07	1.24E-07	3.43E-07	9.90E-08	5.10E-08	1.50E-07
676	570503.55	4215441.11	1.40E-06	7.92E-07	2.19E-06	2.13E-07	1.20E-07	3.34E-07	9.63E-08	4.96E-08	1.46E-07
677	570503.33	4215450.73	1.38E-06	7.83E-07	2.17E-06	2.11E-07	1.19E-07	3.30E-07	9.53E-08	4.90E-08	1.44E-07
678	570503.11	4215460.35	1.37E-06	7.73E-07	2.14E-06	2.08E-07	1.18E-07	3.26E-07	9.41E-08	4.84E-08	1.42E-07

679	570502.9	4215469.97	1.34E-06	7.62E-07	2.11E-06	2.05E-07	1.16E-07	3.21E-07	9.27E-08	4.77E-08	1.40E-07
680	570502.68	4215479.59	1.32E-06	7.48E-07	2.07E-06	2.02E-07	1.14E-07	3.16E-07	9.10E-08	4.69E-08	1.38E-07
681	570502.46	4215489.2	1.30E-06	7.34E-07	2.03E-06	1.98E-07	1.12E-07	3.09E-07	8.93E-08	4.60E-08	1.35E-07
682	570495.49	4215505.68	1.28E-06	7.23E-07	2.00E-06	1.95E-07	1.10E-07	3.05E-07	8.80E-08	4.53E-08	1.33E-07
683	570488.74	4215512.53	1.28E-06	7.26E-07	2.01E-06	1.96E-07	1.10E-07	3.06E-07	8.84E-08	4.55E-08	1.34E-07
684	570481.99	4215519.38	1.28E-06	7.28E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.85E-08	4.56E-08	1.34E-07
685	570475.23	4215526.24	1.28E-06	7.28E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.85E-08	4.56E-08	1.34E-07
686	570468.48	4215533.09	1.29E-06	7.28E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.86E-08	4.56E-08	1.34E-07
687	570461.73	4215539.94	1.29E-06	7.29E-07	2.02E-06	1.96E-07	1.11E-07	3.07E-07	8.87E-08	4.56E-08	1.34E-07
688	570454.98	4215546.8	1.28E-06	7.28E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.85E-08	4.56E-08	1.34E-07
689	570448.22	4215553.65	1.28E-06	7.25E-07	2.00E-06	1.95E-07	1.10E-07	3.06E-07	8.82E-08	4.54E-08	1.34E-07
690	570441.47	4215560.5	1.27E-06	7.18E-07	1.99E-06	1.94E-07	1.09E-07	3.03E-07	8.74E-08	4.50E-08	1.32E-07
691	570434.72	4215567.36	1.25E-06	7.08E-07	1.96E-06	1.91E-07	1.08E-07	2.98E-07	8.61E-08	4.43E-08	1.30E-07
692	570427.97	4215574.21	1.23E-06	6.94E-07	1.92E-06	1.87E-07	1.06E-07	2.93E-07	8.45E-08	4.35E-08	1.28E-07
693	570421.21	4215581.06	1.20E-06	6.79E-07	1.88E-06	1.83E-07	1.03E-07	2.86E-07	8.25E-08	4.25E-08	1.25E-07
694	570414.46	4215587.92	1.17E-06	6.60E-07	1.83E-06	1.78E-07	1.00E-07	2.78E-07	8.03E-08	4.13E-08	1.22E-07
695	570407.71	4215594.77	1.13E-06	6.38E-07	1.76E-06	1.72E-07	9.70E-08	2.69E-07	7.76E-08	3.99E-08	1.17E-07
696	570400.96	4215601.62	1.08E-06	6.14E-07	1.70E-06	1.65E-07	9.34E-08	2.59E-07	7.47E-08	3.84E-08	1.13E-07
697	570394.2	4215608.47	1.04E-06	5.89E-07	1.63E-06	1.59E-07	8.96E-08	2.48E-07	7.17E-08	3.69E-08	1.09E-07
698	570387.45	4215615.33	9.95E-07	5.64E-07	1.56E-06	1.52E-07	8.57E-08	2.38E-07	6.86E-08	3.53E-08	1.04E-07
699	570380.7	4215622.18	9.47E-07	5.37E-07	1.48E-06	1.45E-07	8.16E-08	2.26E-07	6.53E-08	3.36E-08	9.89E-08
700	570373.94	4215629.03	8.99E-07	5.09E-07	1.41E-06	1.37E-07	7.74E-08	2.15E-07	6.19E-08	3.19E-08	9.38E-08
701	570367.19	4215635.89	8.50E-07	4.82E-07	1.33E-06	1.30E-07	7.33E-08	2.03E-07	5.86E-08	3.02E-08	8.88E-08
702	570360.44	4215642.74	8.03E-07	4.55E-07	1.26E-06	1.23E-07	6.92E-08	1.92E-07	5.53E-08	2.85E-08	8.38E-08
703	570353.69	4215649.59	7.57E-07	4.29E-07	1.19E-06	1.16E-07	6.52E-08	1.81E-07	5.22E-08	2.68E-08	7.90E-08
704	570514.89	4215350.32	1.41E-06	7.96E-07	2.20E-06	2.15E-07	1.21E-07	3.36E-07	9.68E-08	4.98E-08	1.47E-07
705	570514.68	4215359.84	1.41E-06	7.97E-07	2.21E-06	2.15E-07	1.21E-07	3.36E-07	9.70E-08	4.99E-08	1.47E-07
706	570514.46	4215369.37	1.41E-06	7.98E-07	2.21E-06	2.15E-07	1.21E-07	3.36E-07	9.71E-08	5.00E-08	1.47E-07
707	570514.25	4215378.89	1.41E-06	7.97E-07	2.20E-06	2.15E-07	1.21E-07	3.36E-07	9.70E-08	4.99E-08	1.47E-07
708	570514.03	4215388.42	1.40E-06	7.96E-07	2.20E-06	2.14E-07	1.21E-07	3.36E-07	9.68E-08	4.98E-08	1.47E-07
709	570513.82	4215397.94	1.40E-06	7.93E-07	2.19E-06	2.14E-07	1.21E-07	3.34E-07	9.64E-08	4.96E-08	1.46E-07
710	570513.6	4215407.47	1.39E-06	7.89E-07	2.18E-06	2.13E-07	1.20E-07	3.33E-07	9.60E-08	4.94E-08	1.45E-07
711	570513.39	4215416.99	1.38E-06	7.84E-07	2.17E-06	2.11E-07	1.19E-07	3.31E-07	9.54E-08	4.91E-08	1.44E-07
712	570512.74	4215445.57	1.35E-06	7.63E-07	2.11E-06	2.06E-07	1.16E-07	3.22E-07	9.28E-08	4.78E-08	1.41E-07
713	570512.53	4215455.09	1.33E-06	7.54E-07	2.09E-06	2.03E-07	1.15E-07	3.18E-07	9.17E-08	4.72E-08	1.39E-07
714	570512.31	4215464.62	1.31E-06	7.45E-07	2.06E-06	2.01E-07	1.13E-07	3.14E-07	9.06E-08	4.66E-08	1.37E-07
715	570512.1	4215474.14	1.29E-06	7.33E-07	2.03E-06	1.98E-07	1.12E-07	3.09E-07	8.92E-08	4.59E-08	1.35E-07
716	570511.88	4215483.67	1.27E-06	7.21E-07	1.99E-06	1.94E-07	1.10E-07	3.04E-07	8.77E-08	4.51E-08	1.33E-07
717	570511.67	4215493.2	1.25E-06	7.08E-07	1.96E-06	1.91E-07	1.08E-07	2.98E-07	8.61E-08	4.43E-08	1.30E-07
718	570504.77	4215509.51	1.23E-06	6.94E-07	1.92E-06	1.87E-07	1.06E-07	2.93E-07	8.45E-08	4.35E-08	1.28E-07
719	570498.08	4215516.29	1.23E-06	6.97E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.48E-08	4.36E-08	1.28E-07
720	570491.39	4215523.08	1.23E-06	6.98E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.49E-08	4.37E-08	1.29E-07
721	570484.71	4215529.87	1.23E-06	6.98E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.49E-08	4.37E-08	1.29E-07
722	570478.02	4215536.65	1.23E-06	6.96E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.47E-08	4.36E-08	1.28E-07
723	570471.33	4215543.44	1.22E-06	6.94E-07	1.92E-06	1.87E-07	1.06E-07	2.93E-07	8.44E-08	4.34E-08	1.28E-07
724	570464.65	4215550.23	1.22E-06	6.93E-07	1.92E-06	1.87E-07	1.05E-07	2.92E-07	8.43E-08	4.34E-08	1.28E-07
725	570457.96	4215557.01	1.22E-06	6.90E-07	1.91E-06	1.86E-07	1.05E-07	2.91E-07	8.40E-08	4.32E-08	1.27E-07
726	570451.27	4215563.8	1.21E-06	6.86E-07	1.90E-06	1.85E-07	1.04E-07	2.89E-07	8.34E-08	4.29E-08	1.26E-07
727	570444.58	4215570.59	1.20E-06	6.78E-07	1.88E-06	1.83E-07	1.03E-07	2.86E-07	8.25E-08	4.25E-08	1.25E-07
728	570437.9	4215577.37	1.18E-06	6.67E-07	1.85E-06	1.80E-07	1.02E-07	2.81E-07	8.12E-08	4.18E-08	1.23E-07
729	570431.21	4215584.16	1.15E-06	6.54E-07	1.81E-06	1.76E-07	9.95E-08	2.76E-07	7.95E-08	4.09E-08	1.20E-07
730	570424.52	4215590.95	1.13E-06	6.38E-07	1.76E-06	1.72E-07	9.70E-08	2.69E-07	7.76E-08	3.99E-08	1.18E-07
731	570417.84	4215597.73	1.09E-06	6.19E-07	1.71E-06	1.67E-07	9.42E-08	2.61E-07	7.54E-08	3.88E-08	1.14E-07
732	570411.15	4215604.52	1.06E-06	5.99E-07	1.66E-06	1.61E-07	9.11E-08	2.53E-07	7.29E-08	3.75E-08	1.10E-07
733	570404.46	4215611.31	1.02E-06	5.76E-07	1.59E-06	1.55E-07	8.77E-08	2.43E-07	7.01E-08	3.61E-08	1.06E-07
734	570397.78	4215618.09	9.76E-07	5.53E-07	1.53E-06	1.49E-07	8.41E-08	2.33E-07	6.73E-08	3.46E-08	1.02E-07
735	570391.09	4215624.88	9.33E-07	5.29E-07	1.46E-06	1.42E-07	8.04E-08	2.23E-07	6.43E-08	3.31E-08	9.74E-08
736	570384.4	4215631.67	8.89E-07	5.04E-07	1.39E-06	1.36E-07	7.66E-08	2.12E-07	6.13E-08	3.15E-08	9.28E-08
737	570377.71	4215638.45	8.44E-07	4.78E-07	1.32E-06	1.29E-07	7.28E-08	2.02E-07	5.82E-08	2.99E-08	8.81E-08
738	570371.03	4215645.24	8.00E-07	4.53E-07	1.25E-06	1.22E-07	6.89E-08	1.91E-07	5.51E-08	2.84E-08	8.35E-08
739	570364.34	4215652.03	7.56E-07	4.28E-07	1.18E-06	1.15E-07	6.51E-08	1.81E-07	5.21E-08	2.68E-08	7.89E-08
740	570357.65	4215658.81	7.13E-07	4.04E-07	1.12E-06	1.09E-07	6.14E-08	1.70E-07	4.91E-08	2.53E-08	7.44E-08

741	569937.09	4214979.91	5.03E-07	2.85E-07	7.87E-07	7.68E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.25E-08
742	569941.77	4214988.41	5.39E-07	3.05E-07	8.44E-07	8.23E-08	4.64E-08	1.29E-07	3.71E-08	1.91E-08	5.62E-08
743	569895.61	4214925.21	3.63E-07	2.06E-07	5.69E-07	5.55E-08	3.13E-08	8.68E-08	2.50E-08	1.29E-08	3.79E-08
744	569900.28	4214933.71	3.76E-07	2.13E-07	5.89E-07	5.74E-08	3.24E-08	8.98E-08	2.59E-08	1.33E-08	3.92E-08
745	569904.96	4214942.22	3.91E-07	2.22E-07	6.13E-07	5.97E-08	3.37E-08	9.34E-08	2.70E-08	1.39E-08	4.08E-08
746	569909.63	4214950.72	4.09E-07	2.32E-07	6.40E-07	6.24E-08	3.52E-08	9.76E-08	2.82E-08	1.45E-08	4.27E-08
747	569914.31	4214959.22	4.30E-07	2.44E-07	6.74E-07	6.57E-08	3.71E-08	1.03E-07	2.97E-08	1.53E-08	4.49E-08
748	569918.98	4214967.72	4.57E-07	2.59E-07	7.15E-07	6.97E-08	3.93E-08	1.09E-07	3.15E-08	1.62E-08	4.77E-08
749	569923.66	4214976.22	4.86E-07	2.75E-07	7.61E-07	7.42E-08	4.19E-08	1.16E-07	3.35E-08	1.72E-08	5.07E-08
750	569928.33	4214984.73	5.19E-07	2.94E-07	8.13E-07	7.93E-08	4.47E-08	1.24E-07	3.58E-08	1.84E-08	5.42E-08
751	569933.01	4214993.23	5.57E-07	3.16E-07	8.73E-07	8.51E-08	4.80E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
752	569877.5	4214913.03	3.50E-07	1.98E-07	5.48E-07	5.34E-08	3.01E-08	8.35E-08	2.41E-08	1.24E-08	3.65E-08
753	569882.17	4214921.53	3.59E-07	2.04E-07	5.63E-07	5.49E-08	3.10E-08	8.58E-08	2.48E-08	1.27E-08	3.75E-08
754	569886.85	4214930.03	3.71E-07	2.10E-07	5.81E-07	5.66E-08	3.20E-08	8.86E-08	2.56E-08	1.32E-08	3.87E-08
755	569891.52	4214938.53	3.84E-07	2.18E-07	6.02E-07	5.87E-08	3.31E-08	9.18E-08	2.65E-08	1.36E-08	4.01E-08
756	569896.19	4214947.03	4.00E-07	2.27E-07	6.27E-07	6.11E-08	3.45E-08	9.56E-08	2.76E-08	1.42E-08	4.18E-08
757	569900.87	4214955.54	4.19E-07	2.37E-07	6.57E-07	6.40E-08	3.61E-08	1.00E-07	2.89E-08	1.49E-08	4.38E-08
758	569905.54	4214964.04	4.44E-07	2.51E-07	6.95E-07	6.78E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
759	569910.22	4214972.54	4.71E-07	2.67E-07	7.38E-07	7.20E-08	4.06E-08	1.13E-07	3.25E-08	1.67E-08	4.92E-08
760	569914.89	4214981.04	5.02E-07	2.84E-07	7.87E-07	7.67E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.24E-08
761	569919.57	4214989.54	5.38E-07	3.05E-07	8.42E-07	8.21E-08	4.63E-08	1.28E-07	3.70E-08	1.91E-08	5.61E-08
762	569924.24	4214998.05	5.79E-07	3.28E-07	9.07E-07	8.84E-08	4.99E-08	1.38E-07	3.99E-08	2.05E-08	6.04E-08
763	569928.92	4215006.55	6.25E-07	3.54E-07	9.79E-07	9.55E-08	5.39E-08	1.49E-07	4.31E-08	2.22E-08	6.53E-08
764	569868.73	4214917.84	3.57E-07	2.02E-07	5.59E-07	5.44E-08	3.07E-08	8.52E-08	2.46E-08	1.26E-08	3.72E-08
765	569873.41	4214926.35	3.67E-07	2.08E-07	5.75E-07	5.60E-08	3.16E-08	8.76E-08	2.53E-08	1.30E-08	3.83E-08
766	569878.08	4214934.85	3.79E-07	2.14E-07	5.93E-07	5.78E-08	3.26E-08	9.04E-08	2.61E-08	1.34E-08	3.95E-08
767	569882.76	4214943.35	3.93E-07	2.23E-07	6.16E-07	6.00E-08	3.39E-08	9.39E-08	2.71E-08	1.39E-08	4.10E-08
768	569887.43	4214951.85	4.10E-07	2.32E-07	6.43E-07	6.27E-08	3.54E-08	9.80E-08	2.83E-08	1.46E-08	4.28E-08
769	569892.11	4214960.35	4.32E-07	2.45E-07	6.77E-07	6.60E-08	3.72E-08	1.03E-07	2.98E-08	1.53E-08	4.51E-08
770	569896.78	4214968.86	4.58E-07	2.60E-07	7.18E-07	7.00E-08	3.95E-08	1.09E-07	3.16E-08	1.63E-08	4.78E-08
771	569901.46	4214977.36	4.87E-07	2.76E-07	7.63E-07	7.44E-08	4.20E-08	1.16E-07	3.36E-08	1.73E-08	5.09E-08
772	569906.13	4214985.86	5.19E-07	2.94E-07	8.13E-07	7.93E-08	4.47E-08	1.24E-07	3.58E-08	1.84E-08	5.42E-08
773	569910.81	4214994.36	5.58E-07	3.16E-07	8.74E-07	8.52E-08	4.81E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
774	569915.48	4215002.86	6.01E-07	3.41E-07	9.42E-07	9.18E-08	5.18E-08	1.44E-07	4.14E-08	2.13E-08	6.28E-08
775	569920.15	4215011.37	6.51E-07	3.69E-07	1.02E-06	9.94E-08	5.61E-08	1.56E-07	4.49E-08	2.31E-08	6.80E-08
776	569859.97	4214922.66	3.64E-07	2.06E-07	5.71E-07	5.57E-08	3.14E-08	8.71E-08	2.51E-08	1.29E-08	3.80E-08
777	569864.65	4214931.16	3.75E-07	2.12E-07	5.87E-07	5.72E-08	3.23E-08	8.95E-08	2.58E-08	1.33E-08	3.91E-08
778	569869.32	4214939.67	3.87E-07	2.19E-07	6.06E-07	5.91E-08	3.34E-08	9.25E-08	2.67E-08	1.37E-08	4.04E-08
779	569873.99	4214948.17	4.03E-07	2.28E-07	6.31E-07	6.15E-08	3.47E-08	9.62E-08	2.77E-08	1.43E-08	4.20E-08
780	569878.67	4214956.67	4.21E-07	2.39E-07	6.60E-07	6.44E-08	3.63E-08	1.01E-07	2.90E-08	1.49E-08	4.40E-08
781	569883.34	4214965.17	4.46E-07	2.53E-07	6.99E-07	6.81E-08	3.84E-08	1.07E-07	3.07E-08	1.58E-08	4.66E-08
782	569888.02	4214973.67	4.74E-07	2.68E-07	7.42E-07	7.23E-08	4.08E-08	1.13E-07	3.26E-08	1.68E-08	4.94E-08
783	569892.69	4214982.18	5.04E-07	2.86E-07	7.89E-07	7.70E-08	4.34E-08	1.20E-07	3.47E-08	1.79E-08	5.26E-08
784	569897.37	4214990.68	5.39E-07	3.05E-07	8.44E-07	8.22E-08	4.64E-08	1.29E-07	3.71E-08	1.91E-08	5.62E-08
785	569902.04	4214999.18	5.79E-07	3.28E-07	9.08E-07	8.85E-08	4.99E-08	1.38E-07	3.99E-08	2.06E-08	6.05E-08
786	569906.72	4215007.68	6.26E-07	3.54E-07	9.80E-07	9.55E-08	5.39E-08	1.49E-07	4.31E-08	2.22E-08	6.53E-08
787	569911.39	4215016.18	6.78E-07	3.84E-07	1.06E-06	1.04E-07	5.85E-08	1.62E-07	4.68E-08	2.41E-08	7.08E-08
788	569851.21	4214927.48	3.72E-07	2.11E-07	5.83E-07	5.69E-08	3.21E-08	8.90E-08	2.57E-08	1.32E-08	3.89E-08
789	569855.88	4214935.98	3.83E-07	2.17E-07	6.00E-07	5.85E-08	3.30E-08	9.14E-08	2.64E-08	1.36E-08	4.00E-08
790	569860.56	4214944.48	3.96E-07	2.25E-07	6.21E-07	6.05E-08	3.42E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
791	569865.23	4214952.99	4.13E-07	2.34E-07	6.47E-07	6.31E-08	3.56E-08	9.87E-08	2.85E-08	1.47E-08	4.31E-08
792	569869.91	4214961.49	4.35E-07	2.46E-07	6.81E-07	6.64E-08	3.75E-08	1.04E-07	3.00E-08	1.54E-08	4.54E-08
793	569874.58	4214969.99	4.61E-07	2.61E-07	7.22E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
794	569879.26	4214978.49	4.89E-07	2.77E-07	7.67E-07	7.47E-08	4.22E-08	1.17E-07	3.37E-08	1.74E-08	5.11E-08
795	569883.93	4214986.99	5.21E-07	2.95E-07	8.16E-07	7.96E-08	4.49E-08	1.24E-07	3.59E-08	1.85E-08	5.44E-08
796	569888.6	4214995.5	5.59E-07	3.17E-07	8.76E-07	8.54E-08	4.82E-08	1.34E-07	3.86E-08	1.98E-08	5.84E-08
797	569893.28	4215004	6.03E-07	3.41E-07	9.44E-07	9.20E-08	5.19E-08	1.44E-07	4.15E-08	2.14E-08	6.29E-08
798	569897.95	4215012.5	6.52E-07	3.69E-07	1.02E-06	9.95E-08	5.61E-08	1.56E-07	4.49E-08	2.31E-08	6.80E-08
799	569902.63	4215021	7.07E-07	4.01E-07	1.11E-06	1.08E-07	6.09E-08	1.69E-07	4.87E-08	2.51E-08	7.38E-08
800	569842.45	4214932.3	3.80E-07	2.15E-07	5.95E-07	5.80E-08	3.27E-08	9.07E-08	2.62E-08	1.35E-08	3.96E-08
801	569847.12	4214940.8	3.91E-07	2.22E-07	6.13E-07	5.97E-08	3.37E-08	9.35E-08	2.70E-08	1.39E-08	4.08E-08
802	569851.79	4214949.3	4.06E-07	2.30E-07	6.36E-07	6.20E-08	3.50E-08	9.70E-08	2.80E-08	1.44E-08	4.24E-08

803	569856.47	4214957.8	4.25E-07	2.41E-07	6.66E-07	6.49E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
804	569861.14	4214966.31	4.49E-07	2.54E-07	7.03E-07	6.86E-08	3.87E-08	1.07E-07	3.09E-08	1.59E-08	4.69E-08
805	569865.82	4214974.81	4.76E-07	2.70E-07	7.45E-07	7.27E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.97E-08
806	569870.49	4214983.31	5.06E-07	2.86E-07	7.92E-07	7.72E-08	4.36E-08	1.21E-07	3.48E-08	1.79E-08	5.28E-08
807	569875.17	4214991.81	5.40E-07	3.06E-07	8.47E-07	8.25E-08	4.66E-08	1.29E-07	3.72E-08	1.92E-08	5.64E-08
808	569879.84	4215000.31	5.81E-07	3.29E-07	9.10E-07	8.87E-08	5.01E-08	1.39E-07	4.00E-08	2.06E-08	6.06E-08
809	569884.52	4215008.82	6.27E-07	3.55E-07	9.82E-07	9.57E-08	5.40E-08	1.50E-07	4.32E-08	2.22E-08	6.54E-08
810	569889.19	4215017.32	6.79E-07	3.84E-07	1.06E-06	1.04E-07	5.85E-08	1.62E-07	4.68E-08	2.41E-08	7.08E-08
811	569893.87	4215025.82	7.37E-07	4.18E-07	1.15E-06	1.13E-07	6.35E-08	1.76E-07	5.08E-08	2.61E-08	7.70E-08
812	569833.68	4214937.12	3.88E-07	2.20E-07	6.08E-07	5.92E-08	3.34E-08	9.26E-08	2.67E-08	1.38E-08	4.05E-08
813	569838.36	4214945.62	4.00E-07	2.27E-07	6.27E-07	6.11E-08	3.45E-08	9.57E-08	2.76E-08	1.42E-08	4.18E-08
814	569843.03	4214954.12	4.16E-07	2.36E-07	6.52E-07	6.36E-08	3.59E-08	9.94E-08	2.87E-08	1.48E-08	4.35E-08
815	569847.71	4214962.62	4.38E-07	2.48E-07	6.86E-07	6.69E-08	3.77E-08	1.05E-07	3.02E-08	1.55E-08	4.57E-08
816	569852.38	4214971.12	4.63E-07	2.62E-07	7.26E-07	7.07E-08	3.99E-08	1.11E-07	3.19E-08	1.64E-08	4.83E-08
817	569857.06	4214979.63	4.91E-07	2.78E-07	7.69E-07	7.50E-08	4.23E-08	1.17E-07	3.38E-08	1.74E-08	5.13E-08
818	569861.73	4214988.13	5.23E-07	2.96E-07	8.19E-07	7.98E-08	4.50E-08	1.25E-07	3.60E-08	1.85E-08	5.45E-08
819	569866.4	4214996.63	5.6E-07	3.18E-07	8.78E-07	8.56E-08	4.83E-08	1.34E-07	3.86E-08	1.99E-08	5.85E-08
820	569871.08	4215005.13	6.03E-07	3.42E-07	9.45E-07	9.21E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
821	569875.75	4215013.63	6.52E-07	3.69E-07	1.02E-06	9.95E-08	5.61E-08	1.56E-07	4.49E-08	2.31E-08	6.80E-08
822	569880.43	4215022.14	7.06E-07	4.00E-07	1.11E-06	1.08E-07	6.08E-08	1.69E-07	4.86E-08	2.50E-08	7.37E-08
823	569885.1	4215030.64	7.67E-07	4.35E-07	1.20E-06	1.17E-07	6.61E-08	1.83E-07	5.29E-08	2.72E-08	8.01E-08
824	569941.2	4215132.66	4.62E-06	2.62E-06	7.23E-06	7.05E-07	3.98E-07	1.10E-06	3.18E-07	1.64E-07	4.82E-07
825	569945.87	4215141.16	5.15E-06	2.92E-06	8.07E-06	7.86E-07	4.44E-07	1.23E-06	3.55E-07	1.83E-07	5.38E-07
826	569950.55	4215149.66	5.67E-06	3.21E-06	8.88E-06	8.65E-07	4.88E-07	1.35E-06	3.91E-07	2.01E-07	5.92E-07
827	569824.92	4214941.93	3.96E-07	2.25E-07	6.21E-07	6.05E-08	3.41E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
828	569829.59	4214950.44	4.1E-07	2.32E-07	6.43E-07	6.26E-08	3.53E-08	9.80E-08	2.83E-08	1.46E-08	4.28E-08
829	569834.27	4214958.94	4.29E-07	2.43E-07	6.71E-07	6.54E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
830	569838.94	4214967.44	4.52E-07	2.56E-07	7.08E-07	6.90E-08	3.89E-08	1.08E-07	3.11E-08	1.60E-08	4.71E-08
831	569843.62	4214975.94	4.77E-07	2.70E-07	7.48E-07	7.29E-08	4.11E-08	1.14E-07	3.29E-08	1.69E-08	4.98E-08
832	569848.29	4214984.44	5.06E-07	2.87E-07	7.93E-07	7.73E-08	4.36E-08	1.21E-07	3.49E-08	1.80E-08	5.28E-08
833	569852.97	4214992.95	5.41E-07	3.06E-07	8.47E-07	8.26E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.65E-08
834	569857.64	4215001.45	5.81E-07	3.29E-07	9.10E-07	8.87E-08	5.01E-08	1.39E-07	4.00E-08	2.06E-08	6.06E-08
835	569862.32	4215009.95	6.26E-07	3.55E-07	9.81E-07	9.56E-08	5.39E-08	1.50E-07	4.31E-08	2.22E-08	6.53E-08
836	569866.99	4215018.45	6.77E-07	3.83E-07	1.06E-06	1.03E-07	5.83E-08	1.62E-07	4.66E-08	2.40E-08	7.06E-08
837	569871.67	4215026.95	7.33E-07	4.15E-07	1.15E-06	1.12E-07	6.32E-08	1.75E-07	5.05E-08	2.60E-08	7.65E-08
838	569876.34	4215035.46	7.97E-07	4.52E-07	1.25E-06	1.22E-07	6.87E-08	1.90E-07	5.49E-08	2.83E-08	8.32E-08
839	569927.76	4215128.98	3.99E-06	2.26E-06	6.25E-06	6.09E-07	3.44E-07	9.53E-07	2.75E-07	1.41E-07	4.16E-07
840	569932.44	4215137.48	4.45E-06	2.52E-06	6.97E-06	6.79E-07	3.83E-07	1.06E-06	3.06E-07	1.58E-07	4.64E-07
841	569937.11	4215145.98	4.9E-06	2.77E-06	7.67E-06	7.48E-07	4.22E-07	1.17E-06	3.38E-07	1.74E-07	5.11E-07
842	569941.78	4215154.48	5.34E-06	3.03E-06	8.37E-06	8.15E-07	4.60E-07	1.28E-06	3.68E-07	1.89E-07	5.57E-07
843	569816.16	4214946.75	4.05E-07	2.30E-07	6.35E-07	6.19E-08	3.49E-08	9.68E-08	2.79E-08	1.44E-08	4.23E-08
844	569820.83	4214955.25	4.2E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
845	569825.51	4214963.76	4.41E-07	2.50E-07	6.91E-07	6.74E-08	3.80E-08	1.05E-07	3.04E-08	1.57E-08	4.61E-08
846	569830.18	4214972.26	4.65E-07	2.63E-07	7.29E-07	7.10E-08	4.01E-08	1.11E-07	3.20E-08	1.65E-08	4.85E-08
847	569834.86	4214980.76	4.92E-07	2.79E-07	7.71E-07	7.51E-08	4.24E-08	1.18E-07	3.39E-08	1.75E-08	5.14E-08
848	569839.53	4214989.26	5.23E-07	2.96E-07	8.19E-07	7.98E-08	4.51E-08	1.25E-07	3.60E-08	1.85E-08	5.46E-08
849	569844.2	4214997.76	5.6E-07	3.17E-07	8.77E-07	8.55E-08	4.82E-08	1.34E-07	3.86E-08	1.99E-08	5.84E-08
850	569848.88	4215006.27	6.02E-07	3.41E-07	9.43E-07	9.19E-08	5.19E-08	1.44E-07	4.15E-08	2.13E-08	6.28E-08
851	569853.55	4215014.77	6.49E-07	3.68E-07	1.02E-06	9.91E-08	5.59E-08	1.55E-07	4.47E-08	2.30E-08	6.77E-08
852	569858.23	4215023.27	7.01E-07	3.97E-07	1.10E-06	1.07E-07	6.04E-08	1.67E-07	4.83E-08	2.49E-08	7.32E-08
853	569862.9	4215031.77	7.6E-07	4.30E-07	1.19E-06	1.16E-07	6.55E-08	1.81E-07	5.24E-08	2.69E-08	7.93E-08
854	569914.32	4215125.29	3.32E-06	1.88E-06	5.20E-06	5.07E-07	2.86E-07	7.92E-07	2.29E-07	1.18E-07	3.46E-07
855	569919	4215133.79	3.91E-06	2.21E-06	6.12E-06	5.96E-07	3.37E-07	9.33E-07	2.69E-07	1.39E-07	4.08E-07
856	569923.67	4215142.3	4.26E-06	2.41E-06	6.67E-06	6.51E-07	3.67E-07	1.02E-06	2.94E-07	1.51E-07	4.45E-07
857	569928.35	4215150.8	4.66E-06	2.64E-06	7.30E-06	7.11E-07	4.01E-07	1.11E-06	3.21E-07	1.65E-07	4.86E-07
858	569933.02	4215159.3	5.03E-06	2.85E-06	7.88E-06	7.69E-07	4.34E-07	1.20E-06	3.47E-07	1.79E-07	5.25E-07
859	569802.72	4214943.07	4.02E-07	2.28E-07	6.30E-07	6.14E-08	3.47E-08	9.61E-08	2.77E-08	1.43E-08	4.20E-08
860	569807.39	4214951.57	4.15E-07	2.35E-07	6.50E-07	6.34E-08	3.58E-08	9.91E-08	2.86E-08	1.47E-08	4.33E-08
861	569812.07	4214960.07	4.32E-07	2.45E-07	6.77E-07	6.60E-08	3.72E-08	1.03E-07	2.98E-08	1.53E-08	4.51E-08
862	569816.74	4214968.57	4.54E-07	2.57E-07	7.11E-07	6.93E-08	3.91E-08	1.08E-07	3.13E-08	1.61E-08	4.74E-08
863	569821.42	4214977.08	4.79E-07	2.71E-07	7.50E-07	7.31E-08	4.12E-08	1.14E-07	3.30E-08	1.70E-08	5.00E-08
864	569826.09	4214985.58	5.06E-07	2.87E-07	7.93E-07	7.73E-08	4.36E-08	1.21E-07	3.49E-08	1.80E-08	5.28E-08

865	569830.77	4214994.08	5.4E-07	3.06E-07	8.46E-07	8.25E-08	4.65E-08	1.29E-07	3.72E-08	1.92E-08	5.64E-08
866	569835.44	4215002.58	5.79E-07	3.28E-07	9.07E-07	8.84E-08	4.99E-08	1.38E-07	3.99E-08	2.05E-08	6.04E-08
867	569840.12	4215011.08	6.22E-07	3.53E-07	9.75E-07	9.51E-08	5.36E-08	1.49E-07	4.29E-08	2.21E-08	6.50E-08
868	569844.79	4215019.59	6.71E-07	3.80E-07	1.05E-06	1.03E-07	5.78E-08	1.60E-07	4.63E-08	2.38E-08	7.01E-08
869	569849.47	4215028.09	7.25E-07	4.11E-07	1.14E-06	1.11E-07	6.25E-08	1.73E-07	5.00E-08	2.57E-08	7.57E-08
870	569854.14	4215036.59	7.86E-07	4.45E-07	1.23E-06	1.20E-07	6.77E-08	1.88E-07	5.41E-08	2.79E-08	8.20E-08
871	569905.56	4215130.11	3.28E-06	1.86E-06	5.14E-06	5.01E-07	2.83E-07	7.84E-07	2.26E-07	1.16E-07	3.43E-07
872	569910.24	4215138.61	3.79E-06	2.15E-06	5.94E-06	5.79E-07	3.27E-07	9.06E-07	2.61E-07	1.35E-07	3.96E-07
873	569914.91	4215147.11	4.08E-06	2.31E-06	6.39E-06	6.23E-07	3.52E-07	9.75E-07	2.81E-07	1.45E-07	4.26E-07
874	569919.58	4215155.62	4.43E-06	2.51E-06	6.94E-06	6.76E-07	3.82E-07	1.06E-06	3.05E-07	1.57E-07	4.62E-07
875	569924.26	4215164.12	4.75E-06	2.69E-06	7.44E-06	7.25E-07	4.09E-07	1.13E-06	3.27E-07	1.68E-07	4.96E-07
876	569792.9	4214938.94	3.99E-07	2.26E-07	6.25E-07	6.10E-08	3.44E-08	9.54E-08	2.75E-08	1.42E-08	4.17E-08
877	569793.96	4214947.89	4.12E-07	2.33E-07	6.45E-07	6.28E-08	3.55E-08	9.83E-08	2.84E-08	1.46E-08	4.30E-08
878	569798.63	4214956.39	4.25E-07	2.41E-07	6.67E-07	6.50E-08	3.67E-08	1.02E-07	2.93E-08	1.51E-08	4.44E-08
879	569803.31	4214964.89	4.45E-07	2.52E-07	6.97E-07	6.79E-08	3.83E-08	1.06E-07	3.07E-08	1.58E-08	4.64E-08
880	569807.98	4214973.39	4.67E-07	2.65E-07	7.31E-07	7.13E-08	4.02E-08	1.12E-07	3.22E-08	1.66E-08	4.87E-08
881	569812.66	4214981.89	4.92E-07	2.79E-07	7.70E-07	7.51E-08	4.24E-08	1.17E-07	3.39E-08	1.74E-08	5.13E-08
882	569817.33	4214990.4	5.22E-07	2.96E-07	8.17E-07	7.97E-08	4.50E-08	1.25E-07	3.60E-08	1.85E-08	5.45E-08
883	569822	4214998.9	5.57E-07	3.16E-07	8.73E-07	8.51E-08	4.80E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
884	569826.68	4215007.4	5.97E-07	3.38E-07	9.36E-07	9.12E-08	5.15E-08	1.43E-07	4.12E-08	2.12E-08	6.24E-08
885	569831.35	4215015.9	6.43E-07	3.64E-07	1.01E-06	9.81E-08	5.54E-08	1.53E-07	4.43E-08	2.28E-08	6.71E-08
886	569836.03	4215024.4	6.92E-07	3.92E-07	1.08E-06	1.06E-07	5.96E-08	1.65E-07	4.77E-08	2.45E-08	7.22E-08
887	569840.7	4215032.91	7.48E-07	4.24E-07	1.17E-06	1.14E-07	6.44E-08	1.79E-07	5.15E-08	2.65E-08	7.80E-08
888	569896.8	4215134.93	3.25E-06	1.84E-06	5.09E-06	4.96E-07	2.80E-07	7.76E-07	2.24E-07	1.15E-07	3.39E-07
889	569901.47	4215143.43	3.67E-06	2.08E-06	5.75E-06	5.60E-07	3.16E-07	8.76E-07	2.53E-07	1.30E-07	3.83E-07
890	569906.15	4215151.93	3.91E-06	2.22E-06	6.13E-06	5.97E-07	3.37E-07	9.34E-07	2.69E-07	1.39E-07	4.08E-07
891	569910.82	4215160.43	4.22E-06	2.39E-06	6.61E-06	6.44E-07	3.63E-07	1.01E-06	2.91E-07	1.50E-07	4.40E-07
892	569915.5	4215168.94	4.48E-06	2.54E-06	7.02E-06	6.84E-07	3.86E-07	1.07E-06	3.09E-07	1.59E-07	4.68E-07
893	569784.15	4214943.89	4.08E-07	2.31E-07	6.39E-07	6.23E-08	3.51E-08	9.74E-08	2.81E-08	1.45E-08	4.26E-08
894	569783.11	4214935.08	3.98E-07	2.25E-07	6.23E-07	6.07E-08	3.43E-08	9.50E-08	2.74E-08	1.41E-08	4.15E-08
895	569789.87	4214961.21	4.37E-07	2.48E-07	6.85E-07	6.68E-08	3.77E-08	1.04E-07	3.01E-08	1.55E-08	4.56E-08
896	569794.54	4214969.71	4.57E-07	2.59E-07	7.16E-07	6.98E-08	3.94E-08	1.09E-07	3.15E-08	1.62E-08	4.77E-08
897	569799.22	4214978.21	4.8E-07	2.72E-07	7.52E-07	7.33E-08	4.14E-08	1.15E-07	3.31E-08	1.70E-08	5.01E-08
898	569803.89	4214986.71	5.06E-07	2.87E-07	7.92E-07	7.72E-08	4.36E-08	1.21E-07	3.49E-08	1.79E-08	5.28E-08
899	569808.57	4214995.21	5.38E-07	3.05E-07	8.42E-07	8.21E-08	4.63E-08	1.28E-07	3.71E-08	1.91E-08	5.61E-08
900	569813.24	4215003.72	5.74E-07	3.25E-07	9.00E-07	8.77E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	5.99E-08
901	569817.92	4215012.22	6.15E-07	3.49E-07	9.64E-07	9.40E-08	5.30E-08	1.47E-07	4.24E-08	2.18E-08	6.42E-08
902	569822.59	4215020.72	6.61E-07	3.74E-07	1.04E-06	1.01E-07	5.70E-08	1.58E-07	4.55E-08	2.34E-08	6.90E-08
903	569827.27	4215029.22	7.11E-07	4.03E-07	1.11E-06	1.09E-07	6.13E-08	1.70E-07	4.90E-08	2.52E-08	7.42E-08
904	569831.94	4215037.72	7.68E-07	4.35E-07	1.20E-06	1.17E-07	6.61E-08	1.83E-07	5.29E-08	2.72E-08	8.01E-08
905	569888.04	4215139.75	3.17E-06	1.80E-06	4.97E-06	4.84E-07	2.73E-07	7.58E-07	2.19E-07	1.13E-07	3.31E-07
906	569892.71	4215148.25	3.53E-06	2.00E-06	5.53E-06	5.39E-07	3.04E-07	8.43E-07	2.43E-07	1.25E-07	3.69E-07
907	569897.38	4215156.75	3.74E-06	2.12E-06	5.85E-06	5.70E-07	3.22E-07	8.92E-07	2.57E-07	1.33E-07	3.90E-07
908	569902.06	4215165.25	4.02E-06	2.28E-06	6.30E-06	6.14E-07	3.46E-07	9.60E-07	2.77E-07	1.43E-07	4.19E-07
909	569906.73	4215173.75	4.21E-06	2.38E-06	6.59E-06	6.42E-07	3.62E-07	1.00E-06	2.90E-07	1.49E-07	4.39E-07
910	569775.31	4214948.03	4.16E-07	2.36E-07	6.52E-07	6.36E-08	3.59E-08	9.94E-08	2.87E-08	1.48E-08	4.34E-08
911	569774.18	4214938.54	4.04E-07	2.29E-07	6.33E-07	6.17E-08	3.48E-08	9.66E-08	2.79E-08	1.43E-08	4.22E-08
912	569773.06	4214929.05	3.96E-07	2.24E-07	6.20E-07	6.04E-08	3.41E-08	9.45E-08	2.73E-08	1.40E-08	4.13E-08
913	569776.43	4214957.52	4.32E-07	2.44E-07	6.76E-07	6.59E-08	3.72E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
914	569781.11	4214966.02	4.49E-07	2.54E-07	7.03E-07	6.85E-08	3.87E-08	1.07E-07	3.09E-08	1.59E-08	4.69E-08
915	569785.78	4214974.53	4.69E-07	2.66E-07	7.35E-07	7.16E-08	4.04E-08	1.12E-07	3.23E-08	1.66E-08	4.90E-08
916	569790.45	4214983.03	4.93E-07	2.79E-07	7.72E-07	7.52E-08	4.24E-08	1.18E-07	3.39E-08	1.75E-08	5.14E-08
917	569795.13	4214991.53	5.2E-07	2.95E-07	8.15E-07	7.95E-08	4.48E-08	1.24E-07	3.59E-08	1.85E-08	5.43E-08
918	569799.8	4215000.03	5.53E-07	3.13E-07	8.66E-07	8.44E-08	4.76E-08	1.32E-07	3.81E-08	1.96E-08	5.77E-08
919	569804.48	4215008.53	5.89E-07	3.34E-07	9.23E-07	9.00E-08	5.08E-08	1.41E-07	4.06E-08	2.09E-08	6.15E-08
920	569809.15	4215017.04	6.31E-07	3.58E-07	9.89E-07	9.64E-08	5.44E-08	1.51E-07	4.35E-08	2.24E-08	6.59E-08
921	569813.83	4215025.54	6.78E-07	3.84E-07	1.06E-06	1.04E-07	5.84E-08	1.62E-07	4.67E-08	2.41E-08	7.08E-08
922	569818.5	4215034.04	7.29E-07	4.13E-07	1.14E-06	1.11E-07	6.28E-08	1.74E-07	5.02E-08	2.59E-08	7.61E-08
923	569823.18	4215042.54	7.86E-07	4.45E-07	1.23E-06	1.20E-07	6.77E-08	1.88E-07	5.41E-08	2.79E-08	8.20E-08
924	569879.27	4215144.56	3.06E-06	1.73E-06	4.80E-06	4.68E-07	2.64E-07	7.31E-07	2.11E-07	1.09E-07	3.20E-07
925	569883.95	4215153.07	3.38E-06	1.92E-06	5.30E-06	5.16E-07	2.91E-07	8.08E-07	2.33E-07	1.20E-07	3.53E-07
926	569888.62	4215161.57	3.56E-06	2.02E-06	5.57E-06	5.43E-07	3.06E-07	8.50E-07	2.45E-07	1.26E-07	3.71E-07

927	569893.3	4215170.07	3.78E-06	2.14E-06	5.92E-06	5.77E-07	3.26E-07	9.03E-07	2.60E-07	1.34E-07	3.94E-07
928	569897.97	4215178.57	3.94E-06	2.23E-06	6.17E-06	6.02E-07	3.40E-07	9.41E-07	2.72E-07	1.40E-07	4.11E-07
929	569766.56	4214953.02	4.26E-07	2.41E-07	6.68E-07	6.51E-08	3.67E-08	1.02E-07	2.94E-08	1.51E-08	4.45E-08
930	569765.46	4214943.7	4.13E-07	2.34E-07	6.48E-07	6.31E-08	3.56E-08	9.87E-08	2.85E-08	1.47E-08	4.31E-08
931	569764.36	4214934.38	4.03E-07	2.29E-07	6.32E-07	6.16E-08	3.48E-08	9.64E-08	2.78E-08	1.43E-08	4.21E-08
932	569763.25	4214925.06	3.97E-07	2.25E-07	6.21E-07	6.06E-08	3.42E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
933	569777.2	4214820.65	2.36E-07	1.33E-07	3.69E-07	3.60E-08	2.03E-08	5.63E-08	1.62E-08	8.35E-09	2.46E-08
934	569782.9	4214813.19	2.25E-07	1.28E-07	3.53E-07	3.44E-08	1.94E-08	5.38E-08	1.55E-08	7.99E-09	2.35E-08
935	569767.67	4214962.34	4.43E-07	2.51E-07	6.94E-07	6.76E-08	3.82E-08	1.06E-07	3.05E-08	1.57E-08	4.62E-08
936	569772.34	4214970.84	4.61E-07	2.61E-07	7.22E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
937	569777.02	4214979.34	4.81E-07	2.73E-07	7.54E-07	7.35E-08	4.15E-08	1.15E-07	3.32E-08	1.71E-08	5.02E-08
938	569781.69	4214987.85	5.05E-07	2.86E-07	7.91E-07	7.71E-08	4.35E-08	1.21E-07	3.48E-08	1.79E-08	5.27E-08
939	569786.37	4214996.35	5.34E-07	3.02E-07	8.36E-07	8.15E-08	4.60E-08	1.28E-07	3.68E-08	1.89E-08	5.57E-08
940	569791.04	4215004.85	5.66E-07	3.21E-07	8.87E-07	8.64E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
941	569795.72	4215013.35	6.02E-07	3.41E-07	9.44E-07	9.20E-08	5.19E-08	1.44E-07	4.15E-08	2.14E-08	6.29E-08
942	569800.39	4215021.85	6.44E-07	3.65E-07	1.01E-06	9.84E-08	5.55E-08	1.54E-07	4.44E-08	2.29E-08	6.72E-08
943	569805.07	4215030.36	6.91E-07	3.91E-07	1.08E-06	1.06E-07	5.95E-08	1.65E-07	4.76E-08	2.45E-08	7.21E-08
944	569809.74	4215038.86	7.43E-07	4.21E-07	1.16E-06	1.13E-07	6.40E-08	1.78E-07	5.12E-08	2.64E-08	7.76E-08
945	569814.41	4215047.36	8.01E-07	4.54E-07	1.25E-06	1.22E-07	6.90E-08	1.91E-07	5.52E-08	2.84E-08	8.36E-08
946	569819.09	4215055.86	8.63E-07	4.89E-07	1.35E-06	1.32E-07	7.44E-08	2.06E-07	5.95E-08	3.06E-08	9.01E-08
947	569870.51	4215149.38	2.9E-06	1.64E-06	4.54E-06	4.43E-07	2.50E-07	6.92E-07	2.00E-07	1.03E-07	3.03E-07
948	569875.18	4215157.88	3.22E-06	1.82E-06	5.04E-06	4.92E-07	2.77E-07	7.69E-07	2.22E-07	1.14E-07	3.36E-07
949	569879.86	4215166.39	3.47E-06	1.97E-06	5.43E-06	5.30E-07	2.99E-07	8.29E-07	2.39E-07	1.23E-07	3.62E-07
950	569884.53	4215174.89	3.55E-06	2.01E-06	5.57E-06	5.43E-07	3.06E-07	8.49E-07	2.45E-07	1.26E-07	3.71E-07
951	569889.21	4215183.39	3.7E-06	2.10E-06	5.80E-06	5.65E-07	3.19E-07	8.84E-07	2.55E-07	1.31E-07	3.86E-07
952	569757.82	4214957.98	4.37E-07	2.47E-07	6.84E-07	6.67E-08	3.76E-08	1.04E-07	3.01E-08	1.55E-08	4.56E-08
953	569756.73	4214948.8	4.23E-07	2.40E-07	6.62E-07	6.46E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
954	569755.65	4214939.63	4.12E-07	2.33E-07	6.45E-07	6.29E-08	3.55E-08	9.84E-08	2.84E-08	1.46E-08	4.30E-08
955	569754.56	4214930.45	4.04E-07	2.29E-07	6.32E-07	6.16E-08	3.48E-08	9.64E-08	2.78E-08	1.43E-08	4.21E-08
956	569753.47	4214921.27	3.99E-07	2.26E-07	6.24E-07	6.09E-08	3.43E-08	9.52E-08	2.75E-08	1.41E-08	4.16E-08
957	569750.39	4214840.51	2.58E-07	1.46E-07	4.05E-07	3.94E-08	2.23E-08	6.17E-08	1.78E-08	9.16E-09	2.70E-08
958	569755.99	4214833.16	2.48E-07	1.40E-07	3.88E-07	3.78E-08	2.13E-08	5.91E-08	1.71E-08	8.78E-09	2.58E-08
959	569767.21	4214818.47	2.3E-07	1.30E-07	3.60E-07	3.51E-08	1.98E-08	5.49E-08	1.58E-08	8.15E-09	2.40E-08
960	569772.81	4214811.12	2.21E-07	1.25E-07	3.46E-07	3.37E-08	1.90E-08	5.27E-08	1.52E-08	7.83E-09	2.30E-08
961	569784.02	4214796.43	2.06E-07	1.17E-07	3.23E-07	3.15E-08	1.78E-08	4.93E-08	1.42E-08	7.32E-09	2.16E-08
962	569758.91	4214967.16	4.54E-07	2.57E-07	7.11E-07	6.93E-08	3.91E-08	1.08E-07	3.13E-08	1.61E-08	4.74E-08
963	569763.58	4214975.66	4.72E-07	2.67E-07	7.39E-07	7.21E-08	4.07E-08	1.13E-07	3.25E-08	1.67E-08	4.93E-08
964	569768.25	4214984.16	4.93E-07	2.79E-07	7.72E-07	7.53E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
965	569772.93	4214992.66	5.18E-07	2.94E-07	8.12E-07	7.92E-08	4.47E-08	1.24E-07	3.57E-08	1.84E-08	5.41E-08
966	569777.6	4215001.17	5.47E-07	3.10E-07	8.57E-07	8.35E-08	4.71E-08	1.31E-07	3.77E-08	1.94E-08	5.71E-08
967	569782.28	4215009.67	5.78E-07	3.28E-07	9.06E-07	8.83E-08	4.98E-08	1.38E-07	3.99E-08	2.05E-08	6.04E-08
968	569786.95	4215018.17	6.14E-07	3.48E-07	9.62E-07	9.38E-08	5.29E-08	1.47E-07	4.23E-08	2.18E-08	6.41E-08
969	569791.63	4215026.67	6.56E-07	3.72E-07	1.03E-06	1.00E-07	5.65E-08	1.57E-07	4.52E-08	2.33E-08	6.85E-08
970	569796.3	4215035.17	7.02E-07	3.98E-07	1.10E-06	1.07E-07	6.05E-08	1.68E-07	4.84E-08	2.49E-08	7.33E-08
971	569800.98	4215043.68	7.54E-07	4.27E-07	1.18E-06	1.15E-07	6.50E-08	1.80E-07	5.19E-08	2.67E-08	7.87E-08
972	569805.65	4215052.18	8.1E-07	4.59E-07	1.27E-06	1.24E-07	6.98E-08	1.94E-07	5.58E-08	2.87E-08	8.46E-08
973	569810.33	4215060.68	8.72E-07	4.94E-07	1.37E-06	1.33E-07	7.52E-08	2.08E-07	6.01E-08	3.09E-08	9.11E-08
974	569861.75	4215154.2	2.67E-06	1.51E-06	4.18E-06	4.07E-07	2.30E-07	6.37E-07	1.84E-07	9.46E-08	2.78E-07
975	569866.42	4215162.7	3E-06	1.70E-06	4.70E-06	4.58E-07	2.58E-07	7.16E-07	2.07E-07	1.06E-07	3.13E-07
976	569871.1	4215171.2	3.26E-06	1.85E-06	5.11E-06	4.98E-07	2.81E-07	7.80E-07	2.25E-07	1.16E-07	3.41E-07
977	569875.77	4215179.71	3.44E-06	1.95E-06	5.40E-06	5.26E-07	2.97E-07	8.23E-07	2.37E-07	1.22E-07	3.60E-07
978	569880.45	4215188.21	3.5E-06	1.98E-06	5.49E-06	5.35E-07	3.02E-07	8.37E-07	2.41E-07	1.24E-07	3.66E-07
979	569749.07	4214962.92	4.47E-07	2.54E-07	7.01E-07	6.83E-08	3.86E-08	1.07E-07	3.08E-08	1.59E-08	4.67E-08
980	569748	4214953.87	4.33E-07	2.45E-07	6.78E-07	6.61E-08	3.73E-08	1.03E-07	2.98E-08	1.54E-08	4.52E-08
981	569746.93	4214944.81	4.21E-07	2.39E-07	6.60E-07	6.43E-08	3.63E-08	1.01E-07	2.90E-08	1.49E-08	4.39E-08
982	569745.85	4214935.76	4.12E-07	2.33E-07	6.45E-07	6.28E-08	3.55E-08	9.83E-08	2.84E-08	1.46E-08	4.30E-08
983	569744.78	4214926.71	4.04E-07	2.29E-07	6.33E-07	6.17E-08	3.48E-08	9.66E-08	2.79E-08	1.43E-08	4.22E-08
984	569743.71	4214917.65	3.99E-07	2.26E-07	6.25E-07	6.09E-08	3.44E-08	9.53E-08	2.75E-08	1.41E-08	4.16E-08
985	569736.21	4214854.27	2.82E-07	1.60E-07	4.42E-07	4.31E-08	2.43E-08	6.74E-08	1.95E-08	1.00E-08	2.95E-08
986	569740.67	4214837.97	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.07E-08	1.75E-08	9.02E-09	2.65E-08
987	569746.2	4214830.72	2.44E-07	1.38E-07	3.82E-07	3.72E-08	2.10E-08	5.82E-08	1.68E-08	8.64E-09	2.54E-08
988	569757.26	4214816.22	2.25E-07	1.27E-07	3.52E-07	3.44E-08	1.94E-08	5.37E-08	1.55E-08	7.98E-09	2.35E-08

989	569768.32	4214801.73	2.1E-07	1.19E-07	3.29E-07	3.21E-08	1.81E-08	5.02E-08	1.45E-08	7.46E-09	2.20E-08
990	569779.39	4214787.23	1.99E-07	1.12E-07	3.11E-07	3.03E-08	1.71E-08	4.74E-08	1.37E-08	7.04E-09	2.07E-08
991	569750.14	4214971.98	4.65E-07	2.63E-07	7.28E-07	7.09E-08	4.00E-08	1.11E-07	3.20E-08	1.65E-08	4.85E-08
992	569754.82	4214980.48	4.83E-07	2.74E-07	7.56E-07	7.37E-08	4.16E-08	1.15E-07	3.33E-08	1.71E-08	5.04E-08
993	569759.49	4214988.98	5.05E-07	2.86E-07	7.91E-07	7.71E-08	4.35E-08	1.21E-07	3.48E-08	1.79E-08	5.27E-08
994	569764.17	4214997.48	5.31E-07	3.01E-07	8.32E-07	8.11E-08	4.58E-08	1.27E-07	3.66E-08	1.88E-08	5.54E-08
995	569768.84	4215005.98	5.6E-07	3.17E-07	8.77E-07	8.55E-08	4.82E-08	1.34E-07	3.86E-08	1.99E-08	5.84E-08
996	569773.52	4215014.49	5.91E-07	3.35E-07	9.26E-07	9.03E-08	5.10E-08	1.41E-07	4.08E-08	2.10E-08	6.17E-08
997	569778.19	4215022.99	6.27E-07	3.55E-07	9.83E-07	9.58E-08	5.40E-08	1.50E-07	4.32E-08	2.22E-08	6.55E-08
998	569782.86	4215031.49	6.67E-07	3.78E-07	1.05E-06	1.02E-07	5.75E-08	1.59E-07	4.60E-08	2.37E-08	6.96E-08
999	569787.54	4215039.99	7.12E-07	4.04E-07	1.12E-06	1.09E-07	6.14E-08	1.70E-07	4.91E-08	2.53E-08	7.44E-08
1000	569792.21	4215048.49	7.63E-07	4.32E-07	1.19E-06	1.16E-07	6.57E-08	1.82E-07	5.26E-08	2.71E-08	7.96E-08
1001	569796.89	4215057	8.18E-07	4.63E-07	1.28E-06	1.25E-07	7.05E-08	1.95E-07	5.64E-08	2.90E-08	8.54E-08
1002	569801.56	4215065.5	8.78E-07	4.97E-07	1.38E-06	1.34E-07	7.57E-08	2.10E-07	6.05E-08	3.11E-08	9.17E-08
1003	569806.24	4215074	9.43E-07	5.34E-07	1.48E-06	1.44E-07	8.12E-08	2.25E-07	6.50E-08	3.34E-08	9.84E-08
1004	569852.98	4215159.02	2.44E-06	1.38E-06	3.82E-06	3.72E-07	2.10E-07	5.82E-07	1.68E-07	8.65E-08	2.55E-07
1005	569857.66	4215167.52	2.76E-06	1.56E-06	4.33E-06	4.22E-07	2.38E-07	6.60E-07	1.90E-07	9.79E-08	2.88E-07
1006	569862.33	4215176.02	3.05E-06	1.73E-06	4.78E-06	4.66E-07	2.63E-07	7.29E-07	2.10E-07	1.08E-07	3.18E-07
1007	569867.01	4215184.52	3.26E-06	1.85E-06	5.10E-06	4.97E-07	2.81E-07	7.78E-07	2.25E-07	1.16E-07	3.40E-07
1008	569871.68	4215193.03	3.34E-06	1.89E-06	5.23E-06	5.09E-07	2.87E-07	7.97E-07	2.30E-07	1.18E-07	3.48E-07
1009	569740.24	4214967.21	4.57E-07	2.59E-07	7.16E-07	6.98E-08	3.94E-08	1.09E-07	3.15E-08	1.62E-08	4.77E-08
1010	569739.11	4214957.62	4.41E-07	2.50E-07	6.91E-07	6.74E-08	3.80E-08	1.05E-07	3.04E-08	1.57E-08	4.61E-08
1011	569737.97	4214948.03	4.28E-07	2.43E-07	6.71E-07	6.54E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
1012	569736.84	4214938.45	4.18E-07	2.37E-07	6.54E-07	6.38E-08	3.60E-08	9.98E-08	2.88E-08	1.48E-08	4.36E-08
1013	569735.7	4214928.86	4.09E-07	2.32E-07	6.41E-07	6.25E-08	3.53E-08	9.78E-08	2.82E-08	1.45E-08	4.27E-08
1014	569734.57	4214919.27	4.01E-07	2.27E-07	6.29E-07	6.13E-08	3.46E-08	9.59E-08	2.77E-08	1.42E-08	4.19E-08
1015	569727.76	4214861.75	2.95E-07	1.67E-07	4.63E-07	4.51E-08	2.55E-08	7.06E-08	2.04E-08	1.05E-08	3.08E-08
1016	569726.62	4214852.16	2.77E-07	1.57E-07	4.34E-07	4.23E-08	2.39E-08	6.62E-08	1.91E-08	9.84E-09	2.89E-08
1017	569731.35	4214834.9	2.5E-07	1.42E-07	3.91E-07	3.81E-08	2.15E-08	5.97E-08	1.72E-08	8.86E-09	2.61E-08
1018	569737.2	4214827.23	2.4E-07	1.36E-07	3.75E-07	3.66E-08	2.06E-08	5.72E-08	1.65E-08	8.50E-09	2.50E-08
1019	569743.06	4214819.55	2.29E-07	1.30E-07	3.59E-07	3.50E-08	1.98E-08	5.48E-08	1.58E-08	8.14E-09	2.40E-08
1020	569748.92	4214811.88	2.2E-07	1.25E-07	3.44E-07	3.36E-08	1.89E-08	5.25E-08	1.52E-08	7.80E-09	2.29E-08
1021	569754.77	4214804.21	2.12E-07	1.20E-07	3.31E-07	3.23E-08	1.82E-08	5.05E-08	1.46E-08	7.50E-09	2.21E-08
1022	569760.63	4214796.53	2.06E-07	1.17E-07	3.23E-07	3.14E-08	1.77E-08	4.92E-08	1.42E-08	7.31E-09	2.15E-08
1023	569766.49	4214788.86	2E-07	1.13E-07	3.14E-07	3.06E-08	1.72E-08	4.78E-08	1.38E-08	7.10E-09	2.09E-08
1024	569772.34	4214781.18	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.64E-08	1.34E-08	6.89E-09	2.03E-08
1025	569741.38	4214976.79	4.75E-07	2.69E-07	7.44E-07	7.26E-08	4.09E-08	1.13E-07	3.27E-08	1.69E-08	4.96E-08
1026	569746.05	4214985.3	4.94E-07	2.80E-07	7.73E-07	7.54E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
1027	569750.73	4214993.8	5.17E-07	2.93E-07	8.09E-07	7.89E-08	4.45E-08	1.23E-07	3.56E-08	1.83E-08	5.39E-08
1028	569755.4	4215002.3	5.43E-07	3.08E-07	8.51E-07	8.29E-08	4.68E-08	1.30E-07	3.74E-08	1.93E-08	5.67E-08
1029	569760.08	4215010.8	5.72E-07	3.24E-07	8.96E-07	8.73E-08	4.93E-08	1.37E-07	3.94E-08	2.03E-08	5.97E-08
1030	569764.75	4215019.3	6.04E-07	3.42E-07	9.46E-07	9.22E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
1031	569769.43	4215027.81	6.4E-07	3.62E-07	1.00E-06	9.77E-08	5.51E-08	1.53E-07	4.41E-08	2.27E-08	6.68E-08
1032	569774.1	4215036.31	6.79E-07	3.85E-07	1.06E-06	1.04E-07	5.85E-08	1.62E-07	4.68E-08	2.41E-08	7.09E-08
1033	569778.78	4215044.81	7.22E-07	4.09E-07	1.13E-06	1.10E-07	6.22E-08	1.72E-07	4.97E-08	2.56E-08	7.54E-08
1034	569783.45	4215053.31	7.7E-07	4.36E-07	1.21E-06	1.18E-07	6.64E-08	1.84E-07	5.31E-08	2.73E-08	8.04E-08
1035	569788.13	4215061.81	8.24E-07	4.67E-07	1.29E-06	1.26E-07	7.10E-08	1.97E-07	5.68E-08	2.92E-08	8.60E-08
1036	569792.8	4215070.32	8.82E-07	5.00E-07	1.38E-06	1.35E-07	7.60E-08	2.11E-07	6.08E-08	3.13E-08	9.21E-08
1037	569797.48	4215078.82	9.45E-07	5.35E-07	1.48E-06	1.44E-07	8.14E-08	2.26E-07	6.51E-08	3.35E-08	9.86E-08
1038	569844.22	4215163.84	2.22E-06	1.26E-06	3.48E-06	3.39E-07	1.92E-07	5.31E-07	1.53E-07	7.88E-08	2.32E-07
1039	569848.9	4215172.34	2.57E-06	1.46E-06	4.03E-06	3.93E-07	2.22E-07	6.14E-07	1.77E-07	9.12E-08	2.68E-07
1040	569853.57	4215180.84	2.88E-06	1.63E-06	4.51E-06	4.39E-07	2.48E-07	6.87E-07	1.98E-07	1.02E-07	3.00E-07
1041	569858.25	4215189.34	3.1E-06	1.75E-06	4.85E-06	4.73E-07	2.67E-07	7.39E-07	2.13E-07	1.10E-07	3.23E-07
1042	569862.92	4215197.84	3.23E-06	1.83E-06	5.05E-06	4.92E-07	2.78E-07	7.70E-07	2.22E-07	1.14E-07	3.37E-07
1043	569731.5	4214972.17	4.67E-07	2.65E-07	7.32E-07	7.14E-08	4.03E-08	1.12E-07	3.22E-08	1.66E-08	4.88E-08
1044	569730.38	4214962.72	4.52E-07	2.56E-07	7.08E-07	6.90E-08	3.89E-08	1.08E-07	3.11E-08	1.60E-08	4.72E-08
1045	569729.26	4214953.28	4.39E-07	2.48E-07	6.87E-07	6.70E-08	3.78E-08	1.05E-07	3.02E-08	1.56E-08	4.58E-08
1046	569728.14	4214943.83	4.27E-07	2.42E-07	6.69E-07	6.52E-08	3.68E-08	1.02E-07	2.94E-08	1.51E-08	4.46E-08
1047	569727.03	4214934.39	4.18E-07	2.37E-07	6.54E-07	6.38E-08	3.60E-08	9.98E-08	2.88E-08	1.48E-08	4.36E-08
1048	569725.91	4214924.94	4.1E-07	2.32E-07	6.42E-07	6.25E-08	3.53E-08	9.78E-08	2.82E-08	1.45E-08	4.27E-08
1049	569724.79	4214915.5	3.98E-07	2.26E-07	6.24E-07	6.08E-08	3.43E-08	9.51E-08	2.74E-08	1.41E-08	4.16E-08
1050	569719.2	4214868.27	3.08E-07	1.74E-07	4.82E-07	4.70E-08	2.65E-08	7.35E-08	2.12E-08	1.09E-08	3.21E-08

1051	569718.08	4214858.83	2.9E-07	1.64E-07	4.54E-07	4.42E-08	2.50E-08	6.92E-08	2.00E-08	1.03E-08	3.02E-08
1052	569716.96	4214849.38	2.74E-07	1.55E-07	4.29E-07	4.18E-08	2.36E-08	6.53E-08	1.89E-08	9.70E-09	2.86E-08
1053	569721.61	4214832.38	2.47E-07	1.40E-07	3.87E-07	3.78E-08	2.13E-08	5.91E-08	1.70E-08	8.77E-09	2.58E-08
1054	569727.38	4214824.82	2.37E-07	1.34E-07	3.72E-07	3.62E-08	2.04E-08	5.67E-08	1.63E-08	8.41E-09	2.48E-08
1055	569733.15	4214817.26	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.44E-08	1.57E-08	8.08E-09	2.38E-08
1056	569738.92	4214809.7	2.19E-07	1.24E-07	3.43E-07	3.34E-08	1.88E-08	5.22E-08	1.51E-08	7.76E-09	2.28E-08
1057	569744.69	4214802.14	2.11E-07	1.20E-07	3.31E-07	3.23E-08	1.82E-08	5.05E-08	1.46E-08	7.49E-09	2.21E-08
1058	569750.46	4214794.57	2.05E-07	1.16E-07	3.21E-07	3.13E-08	1.77E-08	4.90E-08	1.41E-08	7.28E-09	2.14E-08
1059	569756.23	4214787.01	1.99E-07	1.13E-07	3.12E-07	3.04E-08	1.72E-08	4.76E-08	1.37E-08	7.07E-09	2.08E-08
1060	569762	4214779.45	1.94E-07	1.10E-07	3.03E-07	2.96E-08	1.67E-08	4.63E-08	1.33E-08	6.87E-09	2.02E-08
1061	569767.77	4214771.89	1.89E-07	1.07E-07	2.97E-07	2.89E-08	1.63E-08	4.53E-08	1.31E-08	6.72E-09	1.98E-08
1062	569732.62	4214981.61	4.85E-07	2.75E-07	7.60E-07	7.41E-08	4.18E-08	1.16E-07	3.34E-08	1.72E-08	5.07E-08
1063	569737.29	4214990.11	5.05E-07	2.86E-07	7.91E-07	7.71E-08	4.35E-08	1.21E-07	3.48E-08	1.79E-08	5.27E-08
1064	569741.97	4214998.62	5.28E-07	2.99E-07	8.28E-07	8.07E-08	4.55E-08	1.26E-07	3.64E-08	1.87E-08	5.51E-08
1065	569746.64	4215007.12	5.54E-07	3.14E-07	8.68E-07	8.46E-08	4.78E-08	1.32E-07	3.82E-08	1.97E-08	5.78E-08
1066	569751.32	4215015.62	5.83E-07	3.30E-07	9.13E-07	8.90E-08	5.02E-08	1.39E-07	4.01E-08	2.07E-08	6.08E-08
1067	569755.99	4215024.12	6.15E-07	3.48E-07	9.63E-07	9.39E-08	5.30E-08	1.47E-07	4.24E-08	2.18E-08	6.42E-08
1068	569760.66	4215032.62	6.5E-07	3.68E-07	1.02E-06	9.93E-08	5.60E-08	1.55E-07	4.48E-08	2.31E-08	6.79E-08
1069	569765.34	4215041.13	6.88E-07	3.90E-07	1.08E-06	1.05E-07	5.93E-08	1.64E-07	4.74E-08	2.44E-08	7.19E-08
1070	569770.01	4215049.63	7.31E-07	4.14E-07	1.14E-06	1.12E-07	6.30E-08	1.75E-07	5.04E-08	2.59E-08	7.63E-08
1071	569774.69	4215058.13	7.78E-07	4.41E-07	1.22E-06	1.19E-07	6.71E-08	1.86E-07	5.36E-08	2.76E-08	8.13E-08
1072	569779.36	4215066.63	8.3E-07	4.70E-07	1.30E-06	1.27E-07	7.15E-08	1.98E-07	5.72E-08	2.94E-08	8.66E-08
1073	569784.04	4215075.13	8.84E-07	5.01E-07	1.39E-06	1.35E-07	7.62E-08	2.11E-07	6.09E-08	3.14E-08	9.23E-08
1074	569788.71	4215083.64	9.44E-07	5.35E-07	1.48E-06	1.44E-07	8.13E-08	2.25E-07	6.50E-08	3.35E-08	9.85E-08
1075	569793.39	4215092.14	1.01E-06	5.71E-07	1.58E-06	1.54E-07	8.68E-08	2.41E-07	6.94E-08	3.57E-08	1.05E-07
1076	569835.46	4215168.66	2.14E-06	1.21E-06	3.35E-06	3.26E-07	1.84E-07	5.11E-07	1.47E-07	7.58E-08	2.23E-07
1077	569840.13	4215177.16	2.45E-06	1.39E-06	3.84E-06	3.75E-07	2.11E-07	5.86E-07	1.69E-07	8.70E-08	2.56E-07
1078	569844.81	4215185.66	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.58E-07	1.90E-07	9.77E-08	2.87E-07
1079	569849.48	4215194.16	2.97E-06	1.68E-06	4.65E-06	4.53E-07	2.56E-07	7.09E-07	2.05E-07	1.05E-07	3.10E-07
1080	569854.16	4215202.66	3.03E-06	1.72E-06	4.74E-06	4.62E-07	2.61E-07	7.23E-07	2.09E-07	1.07E-07	3.16E-07
1081	569722.75	4214977.11	4.77E-07	2.70E-07	7.48E-07	7.29E-08	4.11E-08	1.14E-07	3.29E-08	1.69E-08	4.98E-08
1082	569721.65	4214967.79	4.62E-07	2.62E-07	7.23E-07	7.05E-08	3.98E-08	1.10E-07	3.18E-08	1.64E-08	4.82E-08
1083	569720.54	4214958.47	4.49E-07	2.54E-07	7.03E-07	6.85E-08	3.86E-08	1.07E-07	3.09E-08	1.59E-08	4.68E-08
1084	569719.44	4214949.15	4.36E-07	2.47E-07	6.84E-07	6.66E-08	3.76E-08	1.04E-07	3.01E-08	1.55E-08	4.56E-08
1085	569718.34	4214939.83	4.26E-07	2.41E-07	6.67E-07	6.50E-08	3.67E-08	1.02E-07	2.93E-08	1.51E-08	4.45E-08
1086	569717.23	4214930.51	4.17E-07	2.36E-07	6.53E-07	6.37E-08	3.59E-08	9.96E-08	2.87E-08	1.48E-08	4.35E-08
1087	569716.13	4214921.19	4.06E-07	2.30E-07	6.36E-07	6.20E-08	3.50E-08	9.70E-08	2.80E-08	1.44E-08	4.24E-08
1088	569715.03	4214911.87	3.92E-07	2.22E-07	6.15E-07	5.99E-08	3.38E-08	9.38E-08	2.70E-08	1.39E-08	4.10E-08
1089	569711.71	4214883.9	3.4E-07	1.93E-07	5.33E-07	5.20E-08	2.93E-08	8.13E-08	2.35E-08	1.21E-08	3.55E-08
1090	569710.61	4214874.58	3.21E-07	1.82E-07	5.02E-07	4.90E-08	2.76E-08	7.66E-08	2.21E-08	1.14E-08	3.35E-08
1091	569709.51	4214865.26	3.03E-07	1.71E-07	4.74E-07	4.62E-08	2.61E-08	7.23E-08	2.09E-08	1.07E-08	3.16E-08
1092	569708.4	4214855.94	2.86E-07	1.62E-07	4.48E-07	4.37E-08	2.47E-08	6.83E-08	1.97E-08	1.01E-08	2.99E-08
1093	569707.3	4214846.62	2.71E-07	1.54E-07	4.25E-07	4.14E-08	2.34E-08	6.48E-08	1.87E-08	9.62E-09	2.83E-08
1094	569711.89	4214829.84	2.47E-07	1.40E-07	3.87E-07	3.77E-08	2.13E-08	5.90E-08	1.70E-08	8.75E-09	2.58E-08
1095	569717.59	4214822.38	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
1096	569723.28	4214814.92	2.26E-07	1.28E-07	3.54E-07	3.45E-08	1.95E-08	5.40E-08	1.56E-08	8.03E-09	2.36E-08
1097	569728.97	4214807.46	2.17E-07	1.23E-07	3.41E-07	3.32E-08	1.87E-08	5.19E-08	1.50E-08	7.71E-09	2.27E-08
1098	569734.67	4214799.99	2.12E-07	1.20E-07	3.31E-07	3.23E-08	1.82E-08	5.05E-08	1.46E-08	7.50E-09	2.21E-08
1099	569740.36	4214792.53	2.06E-07	1.17E-07	3.23E-07	3.14E-08	1.77E-08	4.92E-08	1.42E-08	7.31E-09	2.15E-08
1100	569746.06	4214785.07	2E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.78E-08	1.38E-08	7.09E-09	2.09E-08
1101	569751.75	4214777.61	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.87E-09	2.02E-08
1102	569757.44	4214770.15	1.9E-07	1.08E-07	2.98E-07	2.91E-08	1.64E-08	4.54E-08	1.31E-08	6.75E-09	1.99E-08
1103	569763.14	4214762.69	1.88E-07	1.06E-07	2.94E-07	2.86E-08	1.62E-08	4.48E-08	1.29E-08	6.65E-09	1.96E-08
1104	569723.85	4214986.43	4.95E-07	2.81E-07	7.76E-07	7.56E-08	4.27E-08	1.18E-07	3.41E-08	1.76E-08	5.17E-08
1105	569728.53	4214994.93	5.16E-07	2.92E-07	8.08E-07	7.88E-08	4.45E-08	1.23E-07	3.56E-08	1.83E-08	5.39E-08
1106	569733.2	4215003.43	5.39E-07	3.05E-07	8.45E-07	8.23E-08	4.65E-08	1.29E-07	3.72E-08	1.91E-08	5.63E-08
1107	569737.88	4215011.94	5.65E-07	3.20E-07	8.85E-07	8.63E-08	4.87E-08	1.35E-07	3.89E-08	2.00E-08	5.90E-08
1108	569742.55	4215020.44	5.94E-07	3.36E-07	9.30E-07	9.07E-08	5.12E-08	1.42E-07	4.09E-08	2.11E-08	6.20E-08
1109	569747.23	4215028.94	6.25E-07	3.54E-07	9.79E-07	9.54E-08	5.39E-08	1.49E-07	4.31E-08	2.22E-08	6.52E-08
1110	569751.9	4215037.44	6.59E-07	3.73E-07	1.03E-06	1.01E-07	5.68E-08	1.57E-07	4.54E-08	2.34E-08	6.88E-08
1111	569756.58	4215045.94	6.96E-07	3.94E-07	1.09E-06	1.06E-07	5.99E-08	1.66E-07	4.79E-08	2.47E-08	7.26E-08
1112	569761.25	4215054.45	7.38E-07	4.18E-07	1.16E-06	1.13E-07	6.36E-08	1.76E-07	5.09E-08	2.62E-08	7.71E-08

1113	569765.93	4215062.95	7.84E-07	4.44E-07	1.23E-06	1.20E-07	6.76E-08	1.87E-07	5.41E-08	2.78E-08	8.19E-08
1114	569770.6	4215071.45	8.34E-07	4.72E-07	1.31E-06	1.27E-07	7.18E-08	1.99E-07	5.74E-08	2.96E-08	8.70E-08
1115	569775.28	4215079.95	8.86E-07	5.02E-07	1.39E-06	1.35E-07	7.64E-08	2.12E-07	6.11E-08	3.14E-08	9.25E-08
1116	569779.95	4215088.45	9.42E-07	5.34E-07	1.48E-06	1.44E-07	8.12E-08	2.25E-07	6.49E-08	3.34E-08	9.83E-08
1117	569784.62	4215096.96	1E-06	5.67E-07	1.57E-06	1.53E-07	8.62E-08	2.39E-07	6.89E-08	3.55E-08	1.04E-07
1118	569789.3	4215105.46	1.06E-06	6.03E-07	1.67E-06	1.62E-07	9.17E-08	2.54E-07	7.33E-08	3.77E-08	1.11E-07
1119	569826.7	4215173.47	2.08E-06	1.18E-06	3.26E-06	3.17E-07	1.79E-07	4.97E-07	1.43E-07	7.37E-08	2.17E-07
1120	569831.37	4215181.98	2.37E-06	1.34E-06	3.71E-06	3.62E-07	2.04E-07	5.66E-07	1.63E-07	8.40E-08	2.47E-07
1121	569836.05	4215190.48	2.64E-06	1.50E-06	4.14E-06	4.04E-07	2.28E-07	6.31E-07	1.82E-07	9.38E-08	2.76E-07
1122	569840.72	4215198.98	2.82E-06	1.60E-06	4.41E-06	4.30E-07	2.43E-07	6.73E-07	1.94E-07	9.99E-08	2.94E-07
1123	569845.39	4215207.48	2.85E-06	1.62E-06	4.47E-06	4.36E-07	2.46E-07	6.81E-07	1.97E-07	1.01E-07	2.98E-07
1124	569714	4214982.04	4.86E-07	2.75E-07	7.61E-07	7.42E-08	4.19E-08	1.16E-07	3.35E-08	1.72E-08	5.07E-08
1125	569712.91	4214972.83	4.7E-07	2.67E-07	7.37E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
1126	569711.82	4214963.62	4.57E-07	2.59E-07	7.16E-07	6.98E-08	3.94E-08	1.09E-07	3.15E-08	1.62E-08	4.77E-08
1127	569710.73	4214954.41	4.46E-07	2.53E-07	6.99E-07	6.81E-08	3.84E-08	1.07E-07	3.07E-08	1.58E-08	4.65E-08
1128	569709.64	4214945.19	4.34E-07	2.46E-07	6.80E-07	6.63E-08	3.74E-08	1.04E-07	2.99E-08	1.54E-08	4.53E-08
1129	569708.55	4214935.98	4.24E-07	2.40E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.92E-08	1.50E-08	4.43E-08
1130	569707.46	4214926.77	4.15E-07	2.35E-07	6.51E-07	6.34E-08	3.58E-08	9.92E-08	2.86E-08	1.47E-08	4.34E-08
1131	569706.37	4214917.56	4E-07	2.27E-07	6.27E-07	6.11E-08	3.45E-08	9.56E-08	2.76E-08	1.42E-08	4.18E-08
1132	569705.28	4214908.35	3.85E-07	2.18E-07	6.03E-07	5.88E-08	3.32E-08	9.20E-08	2.65E-08	1.37E-08	4.02E-08
1133	569704.19	4214899.14	3.7E-07	2.10E-07	5.80E-07	5.66E-08	3.19E-08	8.85E-08	2.55E-08	1.31E-08	3.87E-08
1134	569703.09	4214889.93	3.51E-07	1.99E-07	5.50E-07	5.36E-08	3.03E-08	8.39E-08	2.42E-08	1.25E-08	3.67E-08
1135	569702	4214880.72	3.32E-07	1.88E-07	5.20E-07	5.07E-08	2.86E-08	7.93E-08	2.29E-08	1.18E-08	3.46E-08
1136	569700.91	4214871.51	3.14E-07	1.78E-07	4.93E-07	4.80E-08	2.71E-08	7.51E-08	2.17E-08	1.12E-08	3.28E-08
1137	569699.82	4214862.3	2.98E-07	1.69E-07	4.67E-07	4.55E-08	2.57E-08	7.12E-08	2.05E-08	1.06E-08	3.11E-08
1138	569698.73	4214853.08	2.83E-07	1.60E-07	4.43E-07	4.32E-08	2.44E-08	6.76E-08	1.95E-08	1.00E-08	2.95E-08
1139	569697.64	4214843.87	2.69E-07	1.52E-07	4.21E-07	4.11E-08	2.32E-08	6.42E-08	1.85E-08	9.54E-09	2.81E-08
1140	569702.18	4214827.29	2.47E-07	1.40E-07	3.87E-07	3.77E-08	2.13E-08	5.89E-08	1.70E-08	8.75E-09	2.58E-08
1141	569707.81	4214819.92	2.37E-07	1.34E-07	3.71E-07	3.62E-08	2.04E-08	5.66E-08	1.63E-08	8.40E-09	2.47E-08
1142	569713.43	4214812.54	2.27E-07	1.29E-07	3.56E-07	3.47E-08	1.96E-08	5.42E-08	1.56E-08	8.05E-09	2.37E-08
1143	569719.06	4214805.17	2.18E-07	1.23E-07	3.41E-07	3.33E-08	1.88E-08	5.21E-08	1.50E-08	7.73E-09	2.27E-08
1144	569730.31	4214790.42	2.07E-07	1.17E-07	3.24E-07	3.16E-08	1.78E-08	4.95E-08	1.43E-08	7.35E-09	2.16E-08
1145	569735.94	4214783.05	2.02E-07	1.14E-07	3.16E-07	3.08E-08	1.74E-08	4.82E-08	1.39E-08	7.15E-09	2.10E-08
1146	569741.57	4214775.67	1.96E-07	1.11E-07	3.07E-07	2.99E-08	1.69E-08	4.68E-08	1.35E-08	6.96E-09	2.05E-08
1147	569752.82	4214760.93	1.89E-07	1.07E-07	2.97E-07	2.89E-08	1.63E-08	4.52E-08	1.30E-08	6.72E-09	1.98E-08
1148	569715.09	4214991.25	5.05E-07	2.86E-07	7.91E-07	7.71E-08	4.35E-08	1.21E-07	3.48E-08	1.79E-08	5.27E-08
1149	569719.77	4214999.75	5.26E-07	2.98E-07	8.24E-07	8.03E-08	4.53E-08	1.26E-07	3.62E-08	1.87E-08	5.49E-08
1150	569724.44	4215008.25	5.49E-07	3.11E-07	8.60E-07	8.39E-08	4.73E-08	1.31E-07	3.78E-08	1.95E-08	5.73E-08
1151	569729.12	4215016.75	5.75E-07	3.26E-07	9.01E-07	8.78E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	6.00E-08
1152	569733.79	4215025.26	6.04E-07	3.42E-07	9.46E-07	9.22E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
1153	569738.46	4215033.76	6.34E-07	3.59E-07	9.94E-07	9.69E-08	5.47E-08	1.52E-07	4.37E-08	2.25E-08	6.62E-08
1154	569743.14	4215042.26	6.67E-07	3.78E-07	1.05E-06	1.02E-07	5.75E-08	1.59E-07	4.60E-08	2.37E-08	6.97E-08
1155	569747.81	4215050.76	7.04E-07	3.99E-07	1.10E-06	1.07E-07	6.06E-08	1.68E-07	4.85E-08	2.50E-08	7.35E-08
1156	569752.49	4215059.26	7.44E-07	4.22E-07	1.17E-06	1.14E-07	6.41E-08	1.78E-07	5.13E-08	2.64E-08	7.77E-08
1157	569757.16	4215067.77	7.88E-07	4.47E-07	1.23E-06	1.20E-07	6.79E-08	1.88E-07	5.43E-08	2.80E-08	8.23E-08
1158	569761.84	4215076.27	8.35E-07	4.73E-07	1.31E-06	1.28E-07	7.20E-08	2.00E-07	5.76E-08	2.96E-08	8.72E-08
1159	569766.51	4215084.77	8.86E-07	5.02E-07	1.39E-06	1.35E-07	7.64E-08	2.12E-07	6.11E-08	3.14E-08	9.25E-08
1160	569771.19	4215093.27	9.4E-07	5.32E-07	1.47E-06	1.43E-07	8.10E-08	2.24E-07	6.48E-08	3.33E-08	9.81E-08
1161	569775.86	4215101.77	9.95E-07	5.64E-07	1.56E-06	1.52E-07	8.57E-08	2.38E-07	6.86E-08	3.53E-08	1.04E-07
1162	569780.54	4215110.28	1.05E-06	5.97E-07	1.65E-06	1.61E-07	9.08E-08	2.52E-07	7.26E-08	3.74E-08	1.10E-07
1163	569817.93	4215178.29	2.02E-06	1.14E-06	3.16E-06	3.08E-07	1.74E-07	4.81E-07	1.39E-07	7.15E-08	2.10E-07
1164	569822.61	4215186.79	2.28E-06	1.29E-06	3.58E-06	3.49E-07	1.97E-07	5.45E-07	1.57E-07	8.10E-08	2.38E-07
1165	569827.28	4215195.3	2.53E-06	1.44E-06	3.97E-06	3.87E-07	2.18E-07	6.05E-07	1.75E-07	8.99E-08	2.64E-07
1166	569831.96	4215203.8	2.62E-06	1.48E-06	4.10E-06	4.00E-07	2.26E-07	6.25E-07	1.80E-07	9.29E-08	2.73E-07
1167	569836.63	4215212.3	2.66E-06	1.51E-06	4.17E-06	4.06E-07	2.29E-07	6.36E-07	1.83E-07	9.44E-08	2.78E-07
1168	569705.25	4214986.95	4.95E-07	2.80E-07	7.75E-07	7.55E-08	4.26E-08	1.18E-07	3.41E-08	1.75E-08	5.16E-08
1169	569704.17	4214977.84	4.79E-07	2.71E-07	7.50E-07	7.31E-08	4.13E-08	1.14E-07	3.30E-08	1.70E-08	5.00E-08
1170	569703.09	4214968.73	4.66E-07	2.64E-07	7.29E-07	7.11E-08	4.01E-08	1.11E-07	3.21E-08	1.65E-08	4.86E-08
1171	569702.01	4214959.61	4.55E-07	2.58E-07	7.12E-07	6.94E-08	3.92E-08	1.09E-07	3.13E-08	1.61E-08	4.75E-08
1172	569700.93	4214950.5	4.44E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
1173	569699.85	4214941.39	4.33E-07	2.45E-07	6.78E-07	6.61E-08	3.73E-08	1.03E-07	2.98E-08	1.53E-08	4.52E-08
1174	569698.78	4214932.27	4.23E-07	2.39E-07	6.62E-07	6.45E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08

1175	569697.7	4214923.16	4.11E-07	2.33E-07	6.43E-07	6.27E-08	3.54E-08	9.81E-08	2.83E-08	1.46E-08	4.29E-08
1176	569696.62	4214914.05	3.93E-07	2.23E-07	6.16E-07	6.01E-08	3.39E-08	9.40E-08	2.71E-08	1.40E-08	4.11E-08
1177	569695.54	4214904.93	3.77E-07	2.13E-07	5.90E-07	5.75E-08	3.25E-08	9.00E-08	2.60E-08	1.34E-08	3.93E-08
1178	569694.46	4214895.82	3.6E-07	2.04E-07	5.64E-07	5.50E-08	3.10E-08	8.60E-08	2.48E-08	1.28E-08	3.76E-08
1179	569693.38	4214886.7	3.42E-07	1.94E-07	5.35E-07	5.22E-08	2.94E-08	8.16E-08	2.35E-08	1.21E-08	3.57E-08
1180	569692.3	4214877.59	3.25E-07	1.84E-07	5.09E-07	4.96E-08	2.80E-08	7.76E-08	2.24E-08	1.15E-08	3.39E-08
1181	569691.22	4214868.48	3.1E-07	1.75E-07	4.85E-07	4.73E-08	2.67E-08	7.40E-08	2.13E-08	1.10E-08	3.23E-08
1182	569690.14	4214859.36	2.95E-07	1.67E-07	4.62E-07	4.50E-08	2.54E-08	7.04E-08	2.03E-08	1.05E-08	3.08E-08
1183	569689.06	4214850.25	2.81E-07	1.59E-07	4.40E-07	4.29E-08	2.42E-08	6.71E-08	1.94E-08	9.96E-09	2.93E-08
1184	569687.98	4214841.14	2.68E-07	1.52E-07	4.20E-07	4.10E-08	2.31E-08	6.41E-08	1.85E-08	9.51E-09	2.80E-08
1185	569692.47	4214824.73	2.47E-07	1.40E-07	3.88E-07	3.78E-08	2.13E-08	5.91E-08	1.70E-08	8.78E-09	2.58E-08
1186	569703.61	4214810.14	2.28E-07	1.29E-07	3.58E-07	3.49E-08	1.97E-08	5.45E-08	1.57E-08	8.10E-09	2.38E-08
1187	569714.74	4214795.55	2.15E-07	1.22E-07	3.37E-07	3.29E-08	1.85E-08	5.14E-08	1.48E-08	7.63E-09	2.25E-08
1188	569725.88	4214780.96	2.04E-07	1.16E-07	3.20E-07	3.12E-08	1.76E-08	4.87E-08	1.41E-08	7.24E-09	2.13E-08
1189	569731.45	4214773.66	2E-07	1.13E-07	3.13E-07	3.05E-08	1.72E-08	4.77E-08	1.38E-08	7.08E-09	2.08E-08
1190	569742.58	4214759.07	1.94E-07	1.10E-07	3.04E-07	2.96E-08	1.67E-08	4.63E-08	1.34E-08	6.88E-09	2.02E-08
1191	569706.33	4214996.07	5.14E-07	2.91E-07	8.05E-07	7.85E-08	4.43E-08	1.23E-07	3.54E-08	1.82E-08	5.36E-08
1192	569711	4215004.57	5.35E-07	3.03E-07	8.38E-07	8.17E-08	4.61E-08	1.28E-07	3.69E-08	1.90E-08	5.58E-08
1193	569715.68	4215013.07	5.58E-07	3.16E-07	8.74E-07	8.52E-08	4.81E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
1194	569720.35	4215021.57	5.84E-07	3.31E-07	9.15E-07	8.92E-08	5.03E-08	1.40E-07	4.03E-08	2.07E-08	6.10E-08
1195	569725.03	4215030.07	6.12E-07	3.47E-07	9.59E-07	9.35E-08	5.28E-08	1.46E-07	4.22E-08	2.17E-08	6.39E-08
1196	569729.7	4215038.58	6.42E-07	3.64E-07	1.01E-06	9.81E-08	5.53E-08	1.53E-07	4.43E-08	2.28E-08	6.70E-08
1197	569734.38	4215047.08	6.75E-07	3.82E-07	1.06E-06	1.03E-07	5.81E-08	1.61E-07	4.65E-08	2.39E-08	7.04E-08
1198	569739.05	4215055.58	7.11E-07	4.03E-07	1.11E-06	1.09E-07	6.13E-08	1.70E-07	4.90E-08	2.52E-08	7.43E-08
1199	569743.73	4215064.08	7.51E-07	4.25E-07	1.18E-06	1.15E-07	6.47E-08	1.79E-07	5.17E-08	2.66E-08	7.84E-08
1200	569748.4	4215072.58	7.92E-07	4.49E-07	1.24E-06	1.21E-07	6.82E-08	1.89E-07	5.46E-08	2.81E-08	8.27E-08
1201	569753.07	4215081.09	8.36E-07	4.74E-07	1.31E-06	1.28E-07	7.20E-08	2.00E-07	5.76E-08	2.97E-08	8.73E-08
1202	569757.75	4215089.59	8.85E-07	5.01E-07	1.39E-06	1.35E-07	7.62E-08	2.11E-07	6.10E-08	3.14E-08	9.23E-08
1203	569762.42	4215098.09	9.36E-07	5.30E-07	1.47E-06	1.43E-07	8.06E-08	2.24E-07	6.45E-08	3.32E-08	9.77E-08
1204	569767.1	4215106.59	9.89E-07	5.60E-07	1.55E-06	1.51E-07	8.52E-08	2.36E-07	6.82E-08	3.51E-08	1.03E-07
1205	569771.77	4215115.09	1.05E-06	5.93E-07	1.64E-06	1.60E-07	9.01E-08	2.50E-07	7.21E-08	3.71E-08	1.09E-07
1206	569809.17	4215183.11	1.97E-06	1.11E-06	3.08E-06	3.00E-07	1.70E-07	4.70E-07	1.36E-07	6.98E-08	2.05E-07
1207	569813.84	4215191.61	2.19E-06	1.24E-06	3.44E-06	3.35E-07	1.89E-07	5.24E-07	1.51E-07	7.78E-08	2.29E-07
1208	569818.52	4215200.11	2.37E-06	1.34E-06	3.71E-06	3.61E-07	2.04E-07	5.65E-07	1.63E-07	8.39E-08	2.47E-07
1209	569823.19	4215208.62	2.44E-06	1.38E-06	3.82E-06	3.73E-07	2.10E-07	5.83E-07	1.68E-07	8.66E-08	2.55E-07
1210	569827.87	4215217.12	2.49E-06	1.41E-06	3.90E-06	3.80E-07	2.14E-07	5.95E-07	1.72E-07	8.83E-08	2.60E-07
1211	569696.44	4214991.36	5.02E-07	2.85E-07	7.87E-07	7.67E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.24E-08
1212	569695.31	4214981.83	4.85E-07	2.75E-07	7.60E-07	7.41E-08	4.18E-08	1.16E-07	3.34E-08	1.72E-08	5.07E-08
1213	569694.18	4214972.3	4.72E-07	2.67E-07	7.39E-07	7.20E-08	4.06E-08	1.13E-07	3.25E-08	1.67E-08	4.92E-08
1214	569693.05	4214962.77	4.6E-07	2.61E-07	7.21E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
1215	569691.93	4214953.25	4.5E-07	2.55E-07	7.04E-07	6.87E-08	3.87E-08	1.07E-07	3.10E-08	1.60E-08	4.69E-08
1216	569690.8	4214943.72	4.37E-07	2.47E-07	6.84E-07	6.67E-08	3.76E-08	1.04E-07	3.01E-08	1.55E-08	4.56E-08
1217	569689.67	4214934.19	4.25E-07	2.41E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
1218	569688.54	4214924.66	4.12E-07	2.33E-07	6.45E-07	6.29E-08	3.55E-08	9.84E-08	2.84E-08	1.46E-08	4.30E-08
1219	569687.41	4214915.14	3.93E-07	2.23E-07	6.16E-07	6.00E-08	3.39E-08	9.39E-08	2.71E-08	1.39E-08	4.10E-08
1220	569686.28	4214905.61	3.75E-07	2.13E-07	5.88E-07	5.73E-08	3.23E-08	8.97E-08	2.59E-08	1.33E-08	3.92E-08
1221	569685.16	4214896.08	3.59E-07	2.03E-07	5.62E-07	5.48E-08	3.09E-08	8.58E-08	2.47E-08	1.27E-08	3.75E-08
1222	569684.03	4214886.55	3.41E-07	1.93E-07	5.34E-07	5.21E-08	2.94E-08	8.15E-08	2.35E-08	1.21E-08	3.56E-08
1223	569682.9	4214877.02	3.25E-07	1.84E-07	5.09E-07	4.96E-08	2.80E-08	7.76E-08	2.24E-08	1.15E-08	3.39E-08
1224	569681.77	4214867.5	3.1E-07	1.75E-07	4.85E-07	4.73E-08	2.67E-08	7.40E-08	2.13E-08	1.10E-08	3.23E-08
1225	569680.64	4214857.97	2.95E-07	1.67E-07	4.62E-07	4.51E-08	2.54E-08	7.05E-08	2.03E-08	1.05E-08	3.08E-08
1226	569679.52	4214848.44	2.82E-07	1.60E-07	4.41E-07	4.30E-08	2.43E-08	6.73E-08	1.94E-08	9.99E-09	2.94E-08
1227	569678.39	4214838.91	2.69E-07	1.53E-07	4.22E-07	4.11E-08	2.32E-08	6.43E-08	1.86E-08	9.56E-09	2.81E-08
1228	569683.08	4214821.76	2.49E-07	1.41E-07	3.90E-07	3.81E-08	2.15E-08	5.95E-08	1.72E-08	8.84E-09	2.60E-08
1229	569688.9	4214814.13	2.39E-07	1.35E-07	3.74E-07	3.65E-08	2.06E-08	5.70E-08	1.65E-08	8.47E-09	2.49E-08
1230	569694.72	4214806.5	2.29E-07	1.30E-07	3.58E-07	3.49E-08	1.97E-08	5.46E-08	1.58E-08	8.11E-09	2.39E-08
1231	569700.54	4214798.88	2.23E-07	1.26E-07	3.50E-07	3.41E-08	1.92E-08	5.33E-08	1.54E-08	7.92E-09	2.33E-08
1232	569706.36	4214791.25	2.18E-07	1.23E-07	3.41E-07	3.33E-08	1.88E-08	5.20E-08	1.50E-08	7.72E-09	2.27E-08
1233	569712.18	4214783.62	2.12E-07	1.20E-07	3.32E-07	3.24E-08	1.83E-08	5.07E-08	1.46E-08	7.52E-09	2.21E-08
1234	569718	4214776	2.06E-07	1.17E-07	3.23E-07	3.15E-08	1.78E-08	4.93E-08	1.42E-08	7.32E-09	2.15E-08
1235	569723.82	4214768.37	2.03E-07	1.15E-07	3.18E-07	3.10E-08	1.75E-08	4.85E-08	1.40E-08	7.21E-09	2.12E-08
1236	569697.57	4215000.89	5.22E-07	2.96E-07	8.18E-07	7.97E-08	4.50E-08	1.25E-07	3.60E-08	1.85E-08	5.45E-08

1237	569702.24	4215009.39	5.43E-07	3.07E-07	8.50E-07	8.28E-08	4.67E-08	1.30E-07	3.74E-08	1.92E-08	5.66E-08
1238	569706.92	4215017.89	5.66E-07	3.21E-07	8.86E-07	8.64E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
1239	569711.59	4215026.39	5.92E-07	3.35E-07	9.27E-07	9.04E-08	5.10E-08	1.41E-07	4.08E-08	2.10E-08	6.18E-08
1240	569716.26	4215034.89	6.2E-07	3.51E-07	9.71E-07	9.46E-08	5.34E-08	1.48E-07	4.27E-08	2.20E-08	6.47E-08
1241	569720.94	4215043.39	6.49E-07	3.68E-07	1.02E-06	9.91E-08	5.59E-08	1.55E-07	4.47E-08	2.30E-08	6.77E-08
1242	569725.61	4215051.9	6.82E-07	3.86E-07	1.07E-06	1.04E-07	5.88E-08	1.63E-07	4.70E-08	2.42E-08	7.12E-08
1243	569730.29	4215060.4	7.18E-07	4.07E-07	1.12E-06	1.10E-07	6.18E-08	1.71E-07	4.95E-08	2.55E-08	7.49E-08
1244	569734.96	4215068.9	7.56E-07	4.28E-07	1.18E-06	1.15E-07	6.51E-08	1.80E-07	5.21E-08	2.68E-08	7.89E-08
1245	569739.64	4215077.4	7.95E-07	4.51E-07	1.25E-06	1.21E-07	6.85E-08	1.90E-07	5.48E-08	2.82E-08	8.30E-08
1246	569744.31	4215085.9	8.39E-07	4.75E-07	1.31E-06	1.28E-07	7.23E-08	2.00E-07	5.78E-08	2.98E-08	8.76E-08
1247	569748.99	4215094.41	8.84E-07	5.01E-07	1.38E-06	1.35E-07	7.62E-08	2.11E-07	6.09E-08	3.14E-08	9.23E-08
1248	569753.66	4215102.91	9.31E-07	5.27E-07	1.46E-06	1.42E-07	8.02E-08	2.22E-07	6.41E-08	3.30E-08	9.71E-08
1249	569758.34	4215111.41	9.83E-07	5.57E-07	1.54E-06	1.50E-07	8.47E-08	2.35E-07	6.77E-08	3.49E-08	1.03E-07
1250	569763.01	4215119.91	1.04E-06	5.88E-07	1.63E-06	1.59E-07	8.95E-08	2.48E-07	7.16E-08	3.68E-08	1.08E-07
1251	569800.41	4215187.93	1.93E-06	1.09E-06	3.02E-06	2.94E-07	1.66E-07	4.61E-07	1.33E-07	6.84E-08	2.01E-07
1252	569805.08	4215196.43	2.13E-06	1.21E-06	3.34E-06	3.26E-07	1.84E-07	5.09E-07	1.47E-07	7.56E-08	2.23E-07
1253	569809.76	4215204.93	2.22E-06	1.26E-06	3.47E-06	3.39E-07	1.91E-07	5.30E-07	1.53E-07	7.87E-08	2.32E-07
1254	569814.43	4215213.43	2.29E-06	1.30E-06	3.59E-06	3.50E-07	1.98E-07	5.48E-07	1.58E-07	8.13E-08	2.39E-07
1255	569819.11	4215221.94	2.35E-06	1.33E-06	3.68E-06	3.59E-07	2.02E-07	5.61E-07	1.62E-07	8.34E-08	2.45E-07
1256	569687.69	4214996.28	5.11E-07	2.89E-07	8.00E-07	7.80E-08	4.40E-08	1.22E-07	3.52E-08	1.81E-08	5.33E-08
1257	569686.57	4214986.87	4.94E-07	2.80E-07	7.74E-07	7.54E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
1258	569685.46	4214977.45	4.8E-07	2.72E-07	7.51E-07	7.32E-08	4.13E-08	1.15E-07	3.30E-08	1.70E-08	5.01E-08
1259	569684.34	4214968.03	4.67E-07	2.65E-07	7.32E-07	7.13E-08	4.02E-08	1.12E-07	3.22E-08	1.66E-08	4.87E-08
1260	569683.23	4214958.61	4.56E-07	2.58E-07	7.15E-07	6.97E-08	3.93E-08	1.09E-07	3.14E-08	1.62E-08	4.76E-08
1261	569682.11	4214949.19	4.43E-07	2.51E-07	6.94E-07	6.77E-08	3.82E-08	1.06E-07	3.05E-08	1.57E-08	4.63E-08
1262	569681	4214939.77	4.29E-07	2.43E-07	6.73E-07	6.56E-08	3.70E-08	1.03E-07	2.96E-08	1.52E-08	4.48E-08
1263	569679.88	4214930.35	4.16E-07	2.36E-07	6.52E-07	6.36E-08	3.59E-08	9.94E-08	2.87E-08	1.48E-08	4.34E-08
1264	569678.77	4214920.93	4E-07	2.27E-07	6.27E-07	6.11E-08	3.45E-08	9.57E-08	2.76E-08	1.42E-08	4.18E-08
1265	569677.65	4214911.52	3.83E-07	2.17E-07	6.00E-07	5.85E-08	3.30E-08	9.16E-08	2.64E-08	1.36E-08	4.00E-08
1266	569676.54	4214902.1	3.67E-07	2.08E-07	5.75E-07	5.61E-08	3.16E-08	8.77E-08	2.53E-08	1.30E-08	3.83E-08
1267	569675.42	4214892.68	3.51E-07	1.99E-07	5.50E-07	5.37E-08	3.03E-08	8.39E-08	2.42E-08	1.25E-08	3.67E-08
1268	569674.31	4214883.26	3.35E-07	1.90E-07	5.25E-07	5.12E-08	2.89E-08	8.01E-08	2.31E-08	1.19E-08	3.50E-08
1269	569673.19	4214873.84	3.21E-07	1.82E-07	5.02E-07	4.90E-08	2.76E-08	7.66E-08	2.21E-08	1.14E-08	3.35E-08
1270	569672.08	4214864.42	3.07E-07	1.74E-07	4.81E-07	4.68E-08	2.64E-08	7.33E-08	2.11E-08	1.09E-08	3.20E-08
1271	569670.96	4214855	2.94E-07	1.66E-07	4.60E-07	4.49E-08	2.53E-08	7.02E-08	2.02E-08	1.04E-08	3.07E-08
1272	569669.84	4214845.58	2.82E-07	1.60E-07	4.41E-07	4.30E-08	2.43E-08	6.73E-08	1.94E-08	9.99E-09	2.94E-08
1273	569668.73	4214836.17	2.71E-07	1.53E-07	4.24E-07	4.13E-08	2.33E-08	6.46E-08	1.86E-08	9.60E-09	2.82E-08
1274	569673.37	4214819.21	2.52E-07	1.43E-07	3.95E-07	3.85E-08	2.17E-08	6.03E-08	1.74E-08	8.95E-09	2.63E-08
1275	569679.12	4214811.67	2.42E-07	1.37E-07	3.79E-07	3.70E-08	2.09E-08	5.78E-08	1.67E-08	8.59E-09	2.53E-08
1276	569684.88	4214804.13	2.33E-07	1.32E-07	3.65E-07	3.56E-08	2.01E-08	5.57E-08	1.61E-08	8.27E-09	2.43E-08
1277	569690.63	4214796.59	2.28E-07	1.29E-07	3.57E-07	3.48E-08	1.96E-08	5.45E-08	1.57E-08	8.09E-09	2.38E-08
1278	569696.38	4214789.05	2.23E-07	1.26E-07	3.49E-07	3.41E-08	1.92E-08	5.33E-08	1.54E-08	7.91E-09	2.33E-08
1279	569688.8	4215005.7	5.29E-07	3.00E-07	8.29E-07	8.08E-08	4.56E-08	1.26E-07	3.65E-08	1.88E-08	5.52E-08
1280	569693.48	4215014.21	5.5E-07	3.11E-07	8.61E-07	8.39E-08	4.74E-08	1.31E-07	3.79E-08	1.95E-08	5.74E-08
1281	569698.15	4215022.71	5.73E-07	3.25E-07	8.98E-07	8.75E-08	4.94E-08	1.37E-07	3.95E-08	2.03E-08	5.98E-08
1282	569702.83	4215031.21	5.99E-07	3.39E-07	9.38E-07	9.14E-08	5.16E-08	1.43E-07	4.13E-08	2.12E-08	6.25E-08
1283	569707.5	4215039.71	6.25E-07	3.54E-07	9.80E-07	9.55E-08	5.39E-08	1.49E-07	4.31E-08	2.22E-08	6.53E-08
1284	569712.18	4215048.21	6.55E-07	3.71E-07	1.03E-06	1.00E-07	5.64E-08	1.56E-07	4.51E-08	2.32E-08	6.83E-08
1285	569716.85	4215056.71	6.88E-07	3.90E-07	1.08E-06	1.05E-07	5.92E-08	1.64E-07	4.74E-08	2.44E-08	7.18E-08
1286	569721.53	4215065.22	7.23E-07	4.09E-07	1.13E-06	1.10E-07	6.23E-08	1.73E-07	4.98E-08	2.56E-08	7.54E-08
1287	569726.2	4215073.72	7.59E-07	4.30E-07	1.19E-06	1.16E-07	6.54E-08	1.81E-07	5.23E-08	2.69E-08	7.92E-08
1288	569730.87	4215082.22	7.99E-07	4.53E-07	1.25E-06	1.22E-07	6.88E-08	1.91E-07	5.50E-08	2.83E-08	8.34E-08
1289	569735.55	4215090.72	8.41E-07	4.77E-07	1.32E-06	1.28E-07	7.25E-08	2.01E-07	5.80E-08	2.98E-08	8.78E-08
1290	569740.22	4215099.22	8.85E-07	5.01E-07	1.39E-06	1.35E-07	7.63E-08	2.11E-07	6.10E-08	3.14E-08	9.24E-08
1291	569744.9	4215107.73	9.31E-07	5.27E-07	1.46E-06	1.42E-07	8.02E-08	2.22E-07	6.42E-08	3.30E-08	9.72E-08
1292	569749.57	4215116.23	9.8E-07	5.55E-07	1.54E-06	1.50E-07	8.45E-08	2.34E-07	6.76E-08	3.48E-08	1.02E-07
1293	569754.25	4215124.73	1.03E-06	5.84E-07	1.62E-06	1.58E-07	8.89E-08	2.46E-07	7.11E-08	3.66E-08	1.08E-07
1294	569786.97	4215184.24	1.7E-06	9.61E-07	2.66E-06	2.59E-07	1.46E-07	4.05E-07	1.17E-07	6.02E-08	1.77E-07
1295	569791.64	4215192.75	1.88E-06	1.07E-06	2.95E-06	2.88E-07	1.62E-07	4.50E-07	1.30E-07	6.68E-08	1.97E-07
1296	569796.32	4215201.25	2.02E-06	1.14E-06	3.16E-06	3.08E-07	1.74E-07	4.81E-07	1.39E-07	7.15E-08	2.10E-07
1297	569800.99	4215209.75	2.1E-06	1.19E-06	3.29E-06	3.21E-07	1.81E-07	5.02E-07	1.45E-07	7.45E-08	2.19E-07
1298	569805.67	4215218.25	2.17E-06	1.23E-06	3.41E-06	3.32E-07	1.87E-07	5.19E-07	1.50E-07	7.71E-08	2.27E-07

1299	569810.34	4215226.75	2.23E-06	1.26E-06	3.49E-06	3.40E-07	1.92E-07	5.33E-07	1.54E-07	7.91E-08	2.33E-07
1300	569678.94	4215001.2	5.18E-07	2.94E-07	8.12E-07	7.91E-08	4.46E-08	1.24E-07	3.57E-08	1.84E-08	5.41E-08
1301	569677.83	4214991.88	5.02E-07	2.85E-07	7.87E-07	7.67E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.24E-08
1302	569676.73	4214982.56	4.88E-07	2.76E-07	7.65E-07	7.45E-08	4.21E-08	1.17E-07	3.36E-08	1.73E-08	5.09E-08
1303	569675.63	4214973.24	4.75E-07	2.69E-07	7.44E-07	7.25E-08	4.09E-08	1.13E-07	3.27E-08	1.68E-08	4.96E-08
1304	569674.52	4214963.92	4.63E-07	2.62E-07	7.25E-07	7.07E-08	3.99E-08	1.11E-07	3.19E-08	1.64E-08	4.83E-08
1305	569673.42	4214954.6	4.51E-07	2.56E-07	7.07E-07	6.89E-08	3.89E-08	1.08E-07	3.11E-08	1.60E-08	4.71E-08
1306	569672.32	4214945.28	4.36E-07	2.47E-07	6.83E-07	6.65E-08	3.76E-08	1.04E-07	3.00E-08	1.55E-08	4.55E-08
1307	569671.21	4214935.96	4.21E-07	2.39E-07	6.60E-07	6.43E-08	3.63E-08	1.01E-07	2.90E-08	1.49E-08	4.40E-08
1308	569670.11	4214926.64	4.07E-07	2.30E-07	6.37E-07	6.21E-08	3.51E-08	9.72E-08	2.80E-08	1.44E-08	4.25E-08
1309	569669	4214917.31	3.9E-07	2.21E-07	6.11E-07	5.96E-08	3.36E-08	9.32E-08	2.69E-08	1.38E-08	4.07E-08
1310	569667.9	4214907.99	3.75E-07	2.12E-07	5.87E-07	5.72E-08	3.23E-08	8.95E-08	2.58E-08	1.33E-08	3.91E-08
1311	569666.8	4214898.67	3.6E-07	2.04E-07	5.64E-07	5.49E-08	3.10E-08	8.59E-08	2.48E-08	1.28E-08	3.76E-08
1312	569665.69	4214889.35	3.45E-07	1.95E-07	5.40E-07	5.27E-08	2.97E-08	8.24E-08	2.38E-08	1.22E-08	3.60E-08
1313	569664.59	4214880.03	3.3E-07	1.87E-07	5.18E-07	5.05E-08	2.85E-08	7.89E-08	2.28E-08	1.17E-08	3.45E-08
1314	569663.49	4214870.71	3.17E-07	1.80E-07	4.97E-07	4.84E-08	2.73E-08	7.57E-08	2.19E-08	1.12E-08	3.31E-08
1315	569662.38	4214861.39	3.05E-07	1.73E-07	4.77E-07	4.65E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08
1316	569661.28	4214852.07	2.93E-07	1.66E-07	4.59E-07	4.48E-08	2.53E-08	7.00E-08	2.02E-08	1.04E-08	3.06E-08
1317	569660.18	4214842.75	2.83E-07	1.60E-07	4.43E-07	4.31E-08	2.43E-08	6.75E-08	1.95E-08	1.00E-08	2.95E-08
1318	569659.07	4214833.43	2.73E-07	1.55E-07	4.28E-07	4.17E-08	2.35E-08	6.53E-08	1.88E-08	9.69E-09	2.85E-08
1319	569680.04	4215010.52	5.35E-07	3.03E-07	8.39E-07	8.18E-08	4.61E-08	1.28E-07	3.69E-08	1.90E-08	5.59E-08
1320	569684.71	4215019.02	5.56E-07	3.15E-07	8.71E-07	8.49E-08	4.79E-08	1.33E-07	3.83E-08	1.97E-08	5.80E-08
1321	569689.39	4215027.52	5.79E-07	3.28E-07	9.08E-07	8.85E-08	4.99E-08	1.38E-07	3.99E-08	2.06E-08	6.05E-08
1322	569694.06	4215036.03	6.04E-07	3.42E-07	9.46E-07	9.23E-08	5.21E-08	1.44E-07	4.16E-08	2.14E-08	6.31E-08
1323	569698.74	4215044.53	6.3E-07	3.57E-07	9.87E-07	9.62E-08	5.43E-08	1.51E-07	4.34E-08	2.24E-08	6.58E-08
1324	569703.41	4215053.03	6.6E-07	3.74E-07	1.03E-06	1.01E-07	5.69E-08	1.58E-07	4.55E-08	2.34E-08	6.89E-08
1325	569708.09	4215061.53	6.93E-07	3.92E-07	1.09E-06	1.06E-07	5.97E-08	1.65E-07	4.77E-08	2.46E-08	7.23E-08
1326	569712.76	4215070.03	7.26E-07	4.12E-07	1.14E-06	1.11E-07	6.26E-08	1.74E-07	5.01E-08	2.58E-08	7.58E-08
1327	569717.44	4215078.54	7.62E-07	4.32E-07	1.19E-06	1.16E-07	6.57E-08	1.82E-07	5.25E-08	2.70E-08	7.95E-08
1328	569722.11	4215087.04	8.02E-07	4.54E-07	1.26E-06	1.22E-07	6.91E-08	1.91E-07	5.52E-08	2.84E-08	8.37E-08
1329	569726.79	4215095.54	8.43E-07	4.78E-07	1.32E-06	1.29E-07	7.27E-08	2.01E-07	5.81E-08	2.99E-08	8.80E-08
1330	569731.46	4215104.04	8.87E-07	5.02E-07	1.39E-06	1.35E-07	7.64E-08	2.12E-07	6.11E-08	3.14E-08	9.25E-08
1331	569736.14	4215112.54	9.34E-07	5.29E-07	1.46E-06	1.43E-07	8.05E-08	2.23E-07	6.44E-08	3.31E-08	9.75E-08
1332	569740.81	4215121.05	9.85E-07	5.58E-07	1.54E-06	1.50E-07	8.48E-08	2.35E-07	6.79E-08	3.49E-08	1.03E-07
1333	569773.53	4215180.56	1.56E-06	8.84E-07	2.45E-06	2.38E-07	1.35E-07	3.73E-07	1.08E-07	5.54E-08	1.63E-07
1334	569778.21	4215189.06	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.04E-07	1.17E-07	6.01E-08	1.77E-07
1335	569782.88	4215197.56	1.83E-06	1.03E-06	2.86E-06	2.79E-07	1.57E-07	4.36E-07	1.26E-07	6.48E-08	1.91E-07
1336	569787.56	4215206.07	1.91E-06	1.08E-06	3.00E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.79E-08	2.00E-07
1337	569792.23	4215214.57	2E-06	1.13E-06	3.13E-06	3.05E-07	1.72E-07	4.77E-07	1.38E-07	7.09E-08	2.09E-07
1338	569796.91	4215223.07	2.07E-06	1.17E-06	3.25E-06	3.16E-07	1.79E-07	4.95E-07	1.43E-07	7.35E-08	2.16E-07
1339	569801.58	4215231.57	2.06E-06	1.17E-06	3.22E-06	3.14E-07	1.77E-07	4.91E-07	1.42E-07	7.29E-08	2.15E-07
1340	569670.18	4215006.11	5.24E-07	2.97E-07	8.21E-07	8.00E-08	4.52E-08	1.25E-07	3.61E-08	1.86E-08	5.47E-08
1341	569669.09	4214996.88	5.1E-07	2.89E-07	7.98E-07	7.78E-08	4.39E-08	1.22E-07	3.51E-08	1.81E-08	5.32E-08
1342	569668	4214987.64	4.97E-07	2.81E-07	7.78E-07	7.59E-08	4.28E-08	1.19E-07	3.42E-08	1.76E-08	5.19E-08
1343	569666.91	4214978.41	4.83E-07	2.74E-07	7.57E-07	7.38E-08	4.16E-08	1.15E-07	3.33E-08	1.71E-08	5.04E-08
1344	569665.81	4214969.18	4.7E-07	2.66E-07	7.37E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
1345	569664.72	4214959.95	4.58E-07	2.60E-07	7.18E-07	7.00E-08	3.95E-08	1.09E-07	3.16E-08	1.63E-08	4.78E-08
1346	569663.63	4214950.72	4.44E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
1347	569662.53	4214941.48	4.27E-07	2.42E-07	6.69E-07	6.52E-08	3.68E-08	1.02E-07	2.94E-08	1.52E-08	4.46E-08
1348	569661.44	4214932.25	4.12E-07	2.33E-07	6.45E-07	6.28E-08	3.55E-08	9.83E-08	2.84E-08	1.46E-08	4.30E-08
1349	569660.35	4214923.02	3.96E-07	2.25E-07	6.21E-07	6.05E-08	3.42E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
1350	569659.25	4214913.79	3.81E-07	2.16E-07	5.97E-07	5.82E-08	3.28E-08	9.10E-08	2.63E-08	1.35E-08	3.98E-08
1351	569658.16	4214904.56	3.67E-07	2.08E-07	5.74E-07	5.60E-08	3.16E-08	8.76E-08	2.53E-08	1.30E-08	3.83E-08
1352	569657.07	4214895.32	3.53E-07	2.00E-07	5.53E-07	5.39E-08	3.04E-08	8.43E-08	2.43E-08	1.25E-08	3.68E-08
1353	569655.97	4214886.09	3.39E-07	1.92E-07	5.31E-07	5.18E-08	2.92E-08	8.10E-08	2.34E-08	1.20E-08	3.54E-08
1354	569654.88	4214876.86	3.26E-07	1.85E-07	5.11E-07	4.98E-08	2.81E-08	7.79E-08	2.25E-08	1.16E-08	3.41E-08
1355	569653.79	4214867.63	3.14E-07	1.78E-07	4.92E-07	4.80E-08	2.71E-08	7.51E-08	2.17E-08	1.11E-08	3.28E-08
1356	569652.7	4214858.4	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.25E-08	2.09E-08	1.08E-08	3.17E-08
1357	569651.6	4214849.17	2.94E-07	1.66E-07	4.60E-07	4.48E-08	2.53E-08	7.01E-08	2.02E-08	1.04E-08	3.06E-08
1358	569650.51	4214839.93	2.84E-07	1.61E-07	4.45E-07	4.34E-08	2.45E-08	6.79E-08	1.96E-08	1.01E-08	2.97E-08
1359	569671.28	4215015.34	5.41E-07	3.06E-07	8.47E-07	8.26E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.64E-08
1360	569675.95	4215023.84	5.62E-07	3.18E-07	8.80E-07	8.58E-08	4.84E-08	1.34E-07	3.87E-08	1.99E-08	5.87E-08

1361	569680.63	4215032.34	5.85E-07	3.31E-07	9.16E-07	8.93E-08	5.04E-08	1.40E-07	4.03E-08	2.07E-08	6.10E-08
1362	569685.3	4215040.84	6.09E-07	3.45E-07	9.53E-07	9.29E-08	5.24E-08	1.45E-07	4.19E-08	2.16E-08	6.35E-08
1363	569689.98	4215049.35	6.35E-07	3.60E-07	9.95E-07	9.70E-08	5.47E-08	1.52E-07	4.38E-08	2.25E-08	6.63E-08
1364	569694.65	4215057.85	6.65E-07	3.77E-07	1.04E-06	1.02E-07	5.73E-08	1.59E-07	4.58E-08	2.36E-08	6.94E-08
1365	569699.33	4215066.35	6.97E-07	3.95E-07	1.09E-06	1.06E-07	6.00E-08	1.66E-07	4.80E-08	2.47E-08	7.27E-08
1366	569704	4215074.85	7.29E-07	4.13E-07	1.14E-06	1.11E-07	6.28E-08	1.74E-07	5.03E-08	2.59E-08	7.61E-08
1367	569708.67	4215083.35	7.66E-07	4.34E-07	1.20E-06	1.17E-07	6.60E-08	1.83E-07	5.28E-08	2.72E-08	7.99E-08
1368	569713.35	4215091.86	8.05E-07	4.56E-07	1.26E-06	1.23E-07	6.93E-08	1.92E-07	5.55E-08	2.85E-08	8.40E-08
1369	569718.02	4215100.36	8.46E-07	4.79E-07	1.32E-06	1.29E-07	7.29E-08	2.02E-07	5.83E-08	3.00E-08	8.83E-08
1370	569722.7	4215108.86	8.9E-07	5.04E-07	1.39E-06	1.36E-07	7.67E-08	2.13E-07	6.13E-08	3.16E-08	9.29E-08
1371	569727.37	4215117.36	9.41E-07	5.33E-07	1.47E-06	1.44E-07	8.10E-08	2.25E-07	6.48E-08	3.34E-08	9.82E-08
1372	569764.77	4215185.38	1.58E-06	8.93E-07	2.47E-06	2.41E-07	1.36E-07	3.77E-07	1.09E-07	5.59E-08	1.65E-07
1373	569769.44	4215193.88	1.71E-06	9.67E-07	2.67E-06	2.61E-07	1.47E-07	4.08E-07	1.18E-07	6.05E-08	1.78E-07
1374	569774.12	4215202.38	1.78E-06	1.01E-06	2.79E-06	2.72E-07	1.53E-07	4.25E-07	1.23E-07	6.31E-08	1.86E-07
1375	569778.79	4215210.88	1.84E-06	1.04E-06	2.88E-06	2.81E-07	1.59E-07	4.39E-07	1.27E-07	6.53E-08	1.92E-07
1376	569783.47	4215219.39	1.91E-06	1.08E-06	3.00E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.78E-08	2.00E-07
1377	569788.14	4215227.89	1.96E-06	1.11E-06	3.07E-06	2.99E-07	1.69E-07	4.68E-07	1.35E-07	6.95E-08	2.04E-07
1378	569792.82	4215236.39	1.89E-06	1.07E-06	2.96E-06	2.89E-07	1.63E-07	4.51E-07	1.30E-07	6.70E-08	1.97E-07
1379	569661.38	4215010.57	5.28E-07	2.99E-07	8.27E-07	8.06E-08	4.55E-08	1.26E-07	3.64E-08	1.87E-08	5.51E-08
1380	569660.24	4215000.98	5.13E-07	2.91E-07	8.04E-07	7.84E-08	4.42E-08	1.23E-07	3.54E-08	1.82E-08	5.36E-08
1381	569659.11	4214991.4	5E-07	2.83E-07	7.83E-07	7.64E-08	4.31E-08	1.19E-07	3.45E-08	1.77E-08	5.22E-08
1382	569657.97	4214981.81	4.86E-07	2.76E-07	7.62E-07	7.43E-08	4.19E-08	1.16E-07	3.35E-08	1.73E-08	5.08E-08
1383	569656.84	4214972.22	4.71E-07	2.67E-07	7.38E-07	7.19E-08	4.06E-08	1.13E-07	3.25E-08	1.67E-08	4.92E-08
1384	569655.7	4214962.64	4.56E-07	2.58E-07	7.15E-07	6.97E-08	3.93E-08	1.09E-07	3.14E-08	1.62E-08	4.76E-08
1385	569654.57	4214953.05	4.41E-07	2.50E-07	6.91E-07	6.74E-08	3.80E-08	1.05E-07	3.04E-08	1.56E-08	4.60E-08
1386	569653.43	4214943.46	4.25E-07	2.41E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
1387	569652.3	4214933.87	4.09E-07	2.32E-07	6.41E-07	6.25E-08	3.53E-08	9.78E-08	2.82E-08	1.45E-08	4.27E-08
1388	569651.16	4214924.29	3.94E-07	2.23E-07	6.18E-07	6.02E-08	3.40E-08	9.42E-08	2.72E-08	1.40E-08	4.12E-08
1389	569650.03	4214914.7	3.79E-07	2.15E-07	5.94E-07	5.79E-08	3.27E-08	9.06E-08	2.61E-08	1.35E-08	3.96E-08
1390	569648.89	4214905.11	3.65E-07	2.07E-07	5.72E-07	5.57E-08	3.14E-08	8.72E-08	2.52E-08	1.29E-08	3.81E-08
1391	569647.76	4214895.53	3.52E-07	1.99E-07	5.51E-07	5.37E-08	3.03E-08	8.40E-08	2.42E-08	1.25E-08	3.67E-08
1392	569646.62	4214885.94	3.38E-07	1.92E-07	5.30E-07	5.17E-08	2.92E-08	8.08E-08	2.33E-08	1.20E-08	3.53E-08
1393	569645.49	4214876.35	3.26E-07	1.85E-07	5.11E-07	4.98E-08	2.81E-08	7.79E-08	2.25E-08	1.16E-08	3.40E-08
1394	569644.35	4214866.77	3.15E-07	1.78E-07	4.93E-07	4.80E-08	2.71E-08	7.52E-08	2.17E-08	1.12E-08	3.28E-08
1395	569643.22	4214857.18	3.05E-07	1.73E-07	4.78E-07	4.65E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08
1396	569662.51	4215020.16	5.46E-07	3.09E-07	8.55E-07	8.34E-08	4.70E-08	1.30E-07	3.76E-08	1.94E-08	5.70E-08
1397	569667.19	4215028.66	5.67E-07	3.21E-07	8.88E-07	8.66E-08	4.89E-08	1.35E-07	3.91E-08	2.01E-08	5.92E-08
1398	569671.86	4215037.16	5.89E-07	3.34E-07	9.23E-07	8.99E-08	5.07E-08	1.41E-07	4.06E-08	2.09E-08	6.15E-08
1399	569676.54	4215045.66	6.12E-07	3.47E-07	9.59E-07	9.34E-08	5.27E-08	1.46E-07	4.22E-08	2.17E-08	6.39E-08
1400	569681.21	4215054.16	6.39E-07	3.62E-07	1.00E-06	9.76E-08	5.51E-08	1.53E-07	4.41E-08	2.27E-08	6.67E-08
1401	569685.89	4215062.67	6.69E-07	3.79E-07	1.05E-06	1.02E-07	5.76E-08	1.60E-07	4.61E-08	2.37E-08	6.98E-08
1402	569690.56	4215071.17	6.99E-07	3.96E-07	1.10E-06	1.07E-07	6.03E-08	1.67E-07	4.82E-08	2.48E-08	7.30E-08
1403	569695.24	4215079.67	7.33E-07	4.15E-07	1.15E-06	1.12E-07	6.31E-08	1.75E-07	5.05E-08	2.60E-08	7.65E-08
1404	569699.91	4215088.17	7.69E-07	4.36E-07	1.21E-06	1.17E-07	6.63E-08	1.84E-07	5.30E-08	2.73E-08	8.03E-08
1405	569704.59	4215096.67	8.08E-07	4.58E-07	1.27E-06	1.23E-07	6.96E-08	1.93E-07	5.57E-08	2.87E-08	8.43E-08
1406	569709.26	4215105.18	8.49E-07	4.81E-07	1.33E-06	1.30E-07	7.32E-08	2.03E-07	5.85E-08	3.01E-08	8.86E-08
1407	569713.94	4215113.68	8.94E-07	5.07E-07	1.40E-06	1.37E-07	7.70E-08	2.14E-07	6.16E-08	3.17E-08	9.33E-08
1408	569718.61	4215122.18	9.47E-07	5.37E-07	1.48E-06	1.45E-07	8.16E-08	2.26E-07	6.53E-08	3.36E-08	9.89E-08
1409	569751.33	4215181.69	1.48E-06	8.36E-07	2.31E-06	2.25E-07	1.27E-07	3.53E-07	1.02E-07	5.24E-08	1.54E-07
1410	569756.01	4215190.2	1.59E-06	8.99E-07	2.49E-06	2.42E-07	1.37E-07	3.79E-07	1.09E-07	5.63E-08	1.66E-07
1411	569760.68	4215198.7	1.68E-06	9.53E-07	2.64E-06	2.57E-07	1.45E-07	4.02E-07	1.16E-07	5.97E-08	1.76E-07
1412	569765.36	4215207.2	1.72E-06	9.75E-07	2.70E-06	2.63E-07	1.48E-07	4.11E-07	1.19E-07	6.11E-08	1.80E-07
1413	569770.03	4215215.7	1.77E-06	1.00E-06	2.77E-06	2.70E-07	1.53E-07	4.23E-07	1.22E-07	6.28E-08	1.85E-07
1414	569774.71	4215224.2	1.83E-06	1.04E-06	2.87E-06	2.79E-07	1.58E-07	4.37E-07	1.26E-07	6.49E-08	1.91E-07
1415	569779.38	4215232.71	1.8E-06	1.02E-06	2.82E-06	2.75E-07	1.55E-07	4.30E-07	1.24E-07	6.39E-08	1.88E-07
1416	569784.05	4215241.21	1.73E-06	9.79E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.13E-08	1.80E-07
1417	569652.63	4215015.49	5.32E-07	3.01E-07	8.33E-07	8.12E-08	4.58E-08	1.27E-07	3.66E-08	1.89E-08	5.55E-08
1418	569651.5	4215006	5.17E-07	2.93E-07	8.09E-07	7.89E-08	4.45E-08	1.23E-07	3.56E-08	1.83E-08	5.39E-08
1419	569650.38	4214996.5	5.03E-07	2.85E-07	7.88E-07	7.68E-08	4.33E-08	1.20E-07	3.47E-08	1.78E-08	5.25E-08
1420	569649.26	4214987.01	4.91E-07	2.78E-07	7.69E-07	7.49E-08	4.23E-08	1.17E-07	3.38E-08	1.74E-08	5.12E-08
1421	569648.13	4214977.52	4.75E-07	2.69E-07	7.44E-07	7.25E-08	4.09E-08	1.13E-07	3.27E-08	1.68E-08	4.96E-08
1422	569647.01	4214968.03	4.59E-07	2.60E-07	7.19E-07	7.01E-08	3.95E-08	1.10E-07	3.16E-08	1.63E-08	4.79E-08

1423	569645.89	4214958.54	4.43E-07	2.51E-07	6.95E-07	6.77E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
1424	569644.76	4214949.05	4.28E-07	2.42E-07	6.70E-07	6.53E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
1425	569643.64	4214939.56	4.13E-07	2.34E-07	6.47E-07	6.30E-08	3.56E-08	9.86E-08	2.84E-08	1.46E-08	4.31E-08
1426	569642.52	4214930.07	3.99E-07	2.26E-07	6.25E-07	6.09E-08	3.44E-08	9.53E-08	2.75E-08	1.41E-08	4.16E-08
1427	569641.39	4214920.58	3.85E-07	2.18E-07	6.03E-07	5.87E-08	3.31E-08	9.19E-08	2.65E-08	1.36E-08	4.02E-08
1428	569640.27	4214911.09	3.71E-07	2.10E-07	5.81E-07	5.66E-08	3.19E-08	8.86E-08	2.55E-08	1.32E-08	3.87E-08
1429	569639.14	4214901.6	3.58E-07	2.03E-07	5.60E-07	5.46E-08	3.08E-08	8.54E-08	2.46E-08	1.27E-08	3.73E-08
1430	569638.02	4214892.11	3.45E-07	1.96E-07	5.41E-07	5.27E-08	2.98E-08	8.25E-08	2.38E-08	1.23E-08	3.60E-08
1431	569636.9	4214882.62	3.34E-07	1.89E-07	5.23E-07	5.10E-08	2.88E-08	7.97E-08	2.30E-08	1.18E-08	3.48E-08
1432	569635.77	4214873.13	3.23E-07	1.83E-07	5.06E-07	4.93E-08	2.78E-08	7.71E-08	2.22E-08	1.15E-08	3.37E-08
1433	569634.65	4214863.64	3.13E-07	1.77E-07	4.91E-07	4.78E-08	2.70E-08	7.48E-08	2.16E-08	1.11E-08	3.27E-08
1434	569653.75	4215024.98	5.51E-07	3.12E-07	8.63E-07	8.41E-08	4.74E-08	1.32E-07	3.79E-08	1.95E-08	5.75E-08
1435	569658.43	4215033.48	5.71E-07	3.23E-07	8.94E-07	8.72E-08	4.92E-08	1.36E-07	3.93E-08	2.02E-08	5.96E-08
1436	569663.1	4215041.98	5.92E-07	3.35E-07	9.28E-07	9.04E-08	5.10E-08	1.41E-07	4.08E-08	2.10E-08	6.18E-08
1437	569667.78	4215050.48	6.16E-07	3.49E-07	9.65E-07	9.41E-08	5.31E-08	1.47E-07	4.25E-08	2.19E-08	6.43E-08
1438	569672.45	4215058.98	6.42E-07	3.64E-07	1.01E-06	9.81E-08	5.54E-08	1.53E-07	4.43E-08	2.28E-08	6.71E-08
1439	569677.13	4215067.48	6.7E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
1440	569681.8	4215075.99	7E-07	3.96E-07	1.10E-06	1.07E-07	6.03E-08	1.67E-07	4.82E-08	2.48E-08	7.30E-08
1441	569686.47	4215084.49	7.35E-07	4.16E-07	1.15E-06	1.12E-07	6.33E-08	1.75E-07	5.06E-08	2.61E-08	7.67E-08
1442	569691.15	4215092.99	7.72E-07	4.38E-07	1.21E-06	1.18E-07	6.65E-08	1.84E-07	5.32E-08	2.74E-08	8.06E-08
1443	569695.82	4215101.49	8.12E-07	4.60E-07	1.27E-06	1.24E-07	7.00E-08	1.94E-07	5.60E-08	2.88E-08	8.48E-08
1444	569700.5	4215109.99	8.53E-07	4.83E-07	1.34E-06	1.30E-07	7.35E-08	2.04E-07	5.87E-08	3.02E-08	8.90E-08
1445	569737.9	4215178.01	1.39E-06	7.87E-07	2.18E-06	2.12E-07	1.20E-07	3.32E-07	9.57E-08	4.93E-08	1.45E-07
1446	569742.57	4215186.51	1.49E-06	8.42E-07	2.33E-06	2.27E-07	1.28E-07	3.55E-07	1.02E-07	5.27E-08	1.55E-07
1447	569747.24	4215195.01	1.59E-06	9.03E-07	2.50E-06	2.43E-07	1.37E-07	3.81E-07	1.10E-07	5.65E-08	1.66E-07
1448	569751.92	4215203.52	1.63E-06	9.22E-07	2.55E-06	2.48E-07	1.40E-07	3.89E-07	1.12E-07	5.77E-08	1.70E-07
1449	569756.59	4215212.02	1.65E-06	9.37E-07	2.59E-06	2.53E-07	1.43E-07	3.95E-07	1.14E-07	5.87E-08	1.73E-07
1450	569761.27	4215220.52	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.04E-07	1.17E-07	6.01E-08	1.77E-07
1451	569765.94	4215229.02	1.71E-06	9.67E-07	2.67E-06	2.61E-07	1.47E-07	4.08E-07	1.18E-07	6.05E-08	1.78E-07
1452	569770.62	4215237.52	1.65E-06	9.34E-07	2.58E-06	2.52E-07	1.42E-07	3.94E-07	1.14E-07	5.85E-08	1.72E-07
1453	569775.29	4215246.03	1.59E-06	8.99E-07	2.49E-06	2.42E-07	1.37E-07	3.79E-07	1.09E-07	5.63E-08	1.66E-07
1454	569643.88	4215020.39	5.36E-07	3.04E-07	8.39E-07	8.18E-08	4.62E-08	1.28E-07	3.69E-08	1.90E-08	5.59E-08
1455	569642.76	4215010.99	5.2E-07	2.95E-07	8.15E-07	7.94E-08	4.48E-08	1.24E-07	3.58E-08	1.84E-08	5.43E-08
1456	569641.65	4215001.59	5.06E-07	2.87E-07	7.93E-07	7.73E-08	4.36E-08	1.21E-07	3.49E-08	1.80E-08	5.28E-08
1457	569640.54	4214992.19	4.94E-07	2.80E-07	7.73E-07	7.54E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
1458	569639.42	4214982.78	4.8E-07	2.72E-07	7.51E-07	7.32E-08	4.13E-08	1.15E-07	3.31E-08	1.70E-08	5.01E-08
1459	569638.31	4214973.38	4.63E-07	2.62E-07	7.25E-07	7.07E-08	3.99E-08	1.11E-07	3.19E-08	1.64E-08	4.83E-08
1460	569637.2	4214963.98	4.46E-07	2.53E-07	6.99E-07	6.81E-08	3.85E-08	1.07E-07	3.08E-08	1.58E-08	4.66E-08
1461	569636.08	4214954.58	4.3E-07	2.44E-07	6.74E-07	6.57E-08	3.71E-08	1.03E-07	2.96E-08	1.53E-08	4.49E-08
1462	569634.97	4214945.18	4.16E-07	2.36E-07	6.51E-07	6.35E-08	3.58E-08	9.93E-08	2.87E-08	1.47E-08	4.34E-08
1463	569633.86	4214935.78	4.02E-07	2.28E-07	6.30E-07	6.14E-08	3.46E-08	9.61E-08	2.77E-08	1.43E-08	4.20E-08
1464	569632.74	4214926.37	3.89E-07	2.21E-07	6.10E-07	5.95E-08	3.36E-08	9.30E-08	2.68E-08	1.38E-08	4.07E-08
1465	569631.63	4214916.97	3.76E-07	2.13E-07	5.89E-07	5.74E-08	3.24E-08	8.98E-08	2.59E-08	1.33E-08	3.93E-08
1466	569630.52	4214907.57	3.64E-07	2.06E-07	5.70E-07	5.55E-08	3.13E-08	8.68E-08	2.51E-08	1.29E-08	3.80E-08
1467	569629.4	4214898.17	3.52E-07	1.99E-07	5.51E-07	5.37E-08	3.03E-08	8.40E-08	2.42E-08	1.25E-08	3.67E-08
1468	569628.29	4214888.77	3.41E-07	1.93E-07	5.34E-07	5.21E-08	2.94E-08	8.14E-08	2.35E-08	1.21E-08	3.56E-08
1469	569627.18	4214879.37	3.31E-07	1.87E-07	5.18E-07	5.05E-08	2.85E-08	7.90E-08	2.28E-08	1.17E-08	3.45E-08
1470	569626.07	4214869.96	3.22E-07	1.82E-07	5.04E-07	4.91E-08	2.77E-08	7.68E-08	2.22E-08	1.14E-08	3.36E-08
1471	569644.99	4215029.79	5.54E-07	3.14E-07	8.68E-07	8.46E-08	4.77E-08	1.32E-07	3.82E-08	1.96E-08	5.78E-08
1472	569649.66	4215038.3	5.73E-07	3.25E-07	8.98E-07	8.75E-08	4.94E-08	1.37E-07	3.95E-08	2.03E-08	5.98E-08
1473	569654.34	4215046.8	5.94E-07	3.36E-07	9.30E-07	9.07E-08	5.12E-08	1.42E-07	4.09E-08	2.11E-08	6.20E-08
1474	569659.01	4215055.3	6.19E-07	3.51E-07	9.69E-07	9.45E-08	5.33E-08	1.48E-07	4.26E-08	2.20E-08	6.46E-08
1475	569663.69	4215063.8	6.44E-07	3.65E-07	1.01E-06	9.84E-08	5.55E-08	1.54E-07	4.44E-08	2.29E-08	6.72E-08
1476	569668.36	4215072.3	6.71E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
1477	569673.04	4215080.8	7.01E-07	3.97E-07	1.10E-06	1.07E-07	6.04E-08	1.67E-07	4.83E-08	2.49E-08	7.32E-08
1478	569677.71	4215089.31	7.35E-07	4.16E-07	1.15E-06	1.12E-07	6.33E-08	1.76E-07	5.07E-08	2.61E-08	7.67E-08
1479	569682.39	4215097.81	7.72E-07	4.37E-07	1.21E-06	1.18E-07	6.65E-08	1.84E-07	5.32E-08	2.74E-08	8.06E-08
1480	569687.06	4215106.31	8.13E-07	4.60E-07	1.27E-06	1.24E-07	7.00E-08	1.94E-07	5.60E-08	2.88E-08	8.48E-08
1481	569691.74	4215114.81	8.53E-07	4.83E-07	1.34E-06	1.30E-07	7.35E-08	2.04E-07	5.88E-08	3.03E-08	8.90E-08
1482	569724.46	4215174.33	1.31E-06	7.44E-07	2.06E-06	2.00E-07	1.13E-07	3.14E-07	9.04E-08	4.66E-08	1.37E-07
1483	569729.13	4215182.83	1.4E-06	7.92E-07	2.19E-06	2.13E-07	1.20E-07	3.34E-07	9.63E-08	4.96E-08	1.46E-07
1484	569733.81	4215191.33	1.49E-06	8.44E-07	2.33E-06	2.27E-07	1.28E-07	3.56E-07	1.03E-07	5.28E-08	1.55E-07

1485	569738.48	4215199.83	1.55E-06	8.81E-07	2.44E-06	2.37E-07	1.34E-07	3.71E-07	1.07E-07	5.51E-08	1.62E-07
1486	569743.16	4215208.33	1.57E-06	8.90E-07	2.46E-06	2.40E-07	1.35E-07	3.75E-07	1.08E-07	5.58E-08	1.64E-07
1487	569747.83	4215216.84	1.59E-06	9.01E-07	2.49E-06	2.43E-07	1.37E-07	3.80E-07	1.10E-07	5.64E-08	1.66E-07
1488	569752.51	4215225.34	1.61E-06	9.13E-07	2.52E-06	2.46E-07	1.39E-07	3.85E-07	1.11E-07	5.72E-08	1.68E-07
1489	569757.18	4215233.84	1.57E-06	8.88E-07	2.46E-06	2.39E-07	1.35E-07	3.74E-07	1.08E-07	5.56E-08	1.64E-07
1490	569761.85	4215242.34	1.52E-06	8.60E-07	2.38E-06	2.32E-07	1.31E-07	3.62E-07	1.05E-07	5.38E-08	1.58E-07
1491	569766.53	4215250.84	1.47E-06	8.31E-07	2.30E-06	2.24E-07	1.26E-07	3.50E-07	1.01E-07	5.20E-08	1.53E-07
1492	569635.12	4215025.29	5.39E-07	3.06E-07	8.45E-07	8.24E-08	4.65E-08	1.29E-07	3.72E-08	1.91E-08	5.63E-08
1493	569634.02	4215015.97	5.23E-07	2.96E-07	8.20E-07	7.99E-08	4.51E-08	1.25E-07	3.61E-08	1.86E-08	5.46E-08
1494	569632.92	4215006.65	5.09E-07	2.88E-07	7.98E-07	7.78E-08	4.39E-08	1.22E-07	3.51E-08	1.81E-08	5.32E-08
1495	569631.81	4214997.33	4.96E-07	2.81E-07	7.77E-07	7.57E-08	4.27E-08	1.18E-07	3.42E-08	1.76E-08	5.17E-08
1496	569630.71	4214988.01	4.83E-07	2.74E-07	7.56E-07	7.37E-08	4.16E-08	1.15E-07	3.33E-08	1.71E-08	5.04E-08
1497	569629.6	4214978.69	4.66E-07	2.64E-07	7.31E-07	7.12E-08	4.02E-08	1.11E-07	3.21E-08	1.65E-08	4.87E-08
1498	569628.5	4214969.37	4.5E-07	2.55E-07	7.04E-07	6.87E-08	3.87E-08	1.07E-07	3.10E-08	1.60E-08	4.69E-08
1499	569627.4	4214960.05	4.34E-07	2.46E-07	6.79E-07	6.62E-08	3.74E-08	1.04E-07	2.99E-08	1.54E-08	4.53E-08
1500	569626.29	4214950.73	4.19E-07	2.37E-07	6.57E-07	6.40E-08	3.61E-08	1.00E-07	2.89E-08	1.49E-08	4.38E-08
1501	569625.19	4214941.4	4.06E-07	2.30E-07	6.36E-07	6.20E-08	3.50E-08	9.70E-08	2.80E-08	1.44E-08	4.24E-08
1502	569624.09	4214932.08	3.94E-07	2.23E-07	6.17E-07	6.01E-08	3.39E-08	9.41E-08	2.71E-08	1.40E-08	4.11E-08
1503	569622.98	4214922.76	3.82E-07	2.16E-07	5.98E-07	5.83E-08	3.29E-08	9.12E-08	2.63E-08	1.35E-08	3.98E-08
1504	569621.88	4214913.44	3.7E-07	2.09E-07	5.79E-07	5.64E-08	3.18E-08	8.83E-08	2.55E-08	1.31E-08	3.86E-08
1505	569620.78	4214904.12	3.58E-07	2.03E-07	5.61E-07	5.47E-08	3.09E-08	8.55E-08	2.47E-08	1.27E-08	3.74E-08
1506	569619.67	4214894.8	3.47E-07	1.97E-07	5.44E-07	5.30E-08	2.99E-08	8.30E-08	2.39E-08	1.23E-08	3.63E-08
1507	569618.57	4214885.48	3.38E-07	1.91E-07	5.30E-07	5.16E-08	2.91E-08	8.07E-08	2.33E-08	1.20E-08	3.53E-08
1508	569636.23	4215034.61	5.56E-07	3.15E-07	8.71E-07	8.49E-08	4.79E-08	1.33E-07	3.83E-08	1.97E-08	5.81E-08
1509	569640.9	4215043.11	5.75E-07	3.26E-07	9.00E-07	8.77E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	6.00E-08
1510	569645.58	4215051.62	5.96E-07	3.38E-07	9.34E-07	9.11E-08	5.14E-08	1.42E-07	4.11E-08	2.12E-08	6.22E-08
1511	569650.25	4215060.12	6.2E-07	3.51E-07	9.71E-07	9.47E-08	5.34E-08	1.48E-07	4.27E-08	2.20E-08	6.47E-08
1512	569654.92	4215068.62	6.45E-07	3.65E-07	1.01E-06	9.84E-08	5.55E-08	1.54E-07	4.44E-08	2.29E-08	6.73E-08
1513	569659.6	4215077.12	6.7E-07	3.80E-07	1.05E-06	1.02E-07	5.77E-08	1.60E-07	4.62E-08	2.38E-08	6.99E-08
1514	569664.27	4215085.62	7.01E-07	3.97E-07	1.10E-06	1.07E-07	6.04E-08	1.67E-07	4.83E-08	2.49E-08	7.32E-08
1515	569668.95	4215094.12	7.35E-07	4.16E-07	1.15E-06	1.12E-07	6.33E-08	1.75E-07	5.06E-08	2.61E-08	7.67E-08
1516	569673.62	4215102.63	7.71E-07	4.37E-07	1.21E-06	1.18E-07	6.64E-08	1.84E-07	5.31E-08	2.73E-08	8.05E-08
1517	569678.3	4215111.13	8.08E-07	4.58E-07	1.27E-06	1.23E-07	6.97E-08	1.93E-07	5.57E-08	2.87E-08	8.44E-08
1518	569682.97	4215119.63	8.48E-07	4.80E-07	1.33E-06	1.29E-07	7.30E-08	2.02E-07	5.84E-08	3.01E-08	8.85E-08
1519	569711.02	4215170.64	1.19E-06	6.74E-07	1.86E-06	1.82E-07	1.02E-07	2.84E-07	8.20E-08	4.22E-08	1.24E-07
1520	569715.69	4215179.14	1.29E-06	7.28E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.86E-08	4.56E-08	1.34E-07
1521	569720.37	4215187.65	1.39E-06	7.86E-07	2.17E-06	2.12E-07	1.20E-07	3.32E-07	9.57E-08	4.92E-08	1.45E-07
1522	569725.04	4215196.15	1.49E-06	8.44E-07	2.33E-06	2.28E-07	1.28E-07	3.56E-07	1.03E-07	5.29E-08	1.56E-07
1523	569729.72	4215204.65	1.5E-06	8.51E-07	2.35E-06	2.29E-07	1.29E-07	3.59E-07	1.04E-07	5.33E-08	1.57E-07
1524	569734.39	4215213.15	1.52E-06	8.59E-07	2.37E-06	2.31E-07	1.31E-07	3.62E-07	1.04E-07	5.38E-08	1.58E-07
1525	569739.07	4215221.65	1.53E-06	8.67E-07	2.40E-06	2.34E-07	1.32E-07	3.66E-07	1.05E-07	5.43E-08	1.60E-07
1526	569743.74	4215230.16	1.51E-06	8.55E-07	2.36E-06	2.31E-07	1.30E-07	3.61E-07	1.04E-07	5.36E-08	1.58E-07
1527	569748.42	4215238.66	1.45E-06	8.24E-07	2.28E-06	2.22E-07	1.25E-07	3.47E-07	1.00E-07	5.16E-08	1.52E-07
1528	569753.09	4215247.16	1.41E-06	7.96E-07	2.20E-06	2.15E-07	1.21E-07	3.36E-07	9.68E-08	4.98E-08	1.47E-07
1529	569757.77	4215255.66	1.36E-06	7.73E-07	2.14E-06	2.08E-07	1.18E-07	3.26E-07	9.40E-08	4.84E-08	1.42E-07
1530	569626.32	4215029.8	5.4E-07	3.06E-07	8.45E-07	8.24E-08	4.65E-08	1.29E-07	3.72E-08	1.91E-08	5.63E-08
1531	569625.18	4215020.17	5.23E-07	2.96E-07	8.19E-07	7.99E-08	4.51E-08	1.25E-07	3.60E-08	1.86E-08	5.46E-08
1532	569624.04	4215010.54	5.08E-07	2.88E-07	7.95E-07	7.75E-08	4.37E-08	1.21E-07	3.50E-08	1.80E-08	5.30E-08
1533	569622.9	4215000.9	4.93E-07	2.79E-07	7.73E-07	7.53E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
1534	569621.76	4214991.27	4.79E-07	2.72E-07	7.51E-07	7.32E-08	4.13E-08	1.15E-07	3.30E-08	1.70E-08	5.00E-08
1535	569620.62	4214981.64	4.64E-07	2.63E-07	7.27E-07	7.09E-08	4.00E-08	1.11E-07	3.20E-08	1.65E-08	4.85E-08
1536	569619.48	4214972.01	4.48E-07	2.54E-07	7.01E-07	6.84E-08	3.86E-08	1.07E-07	3.09E-08	1.59E-08	4.67E-08
1537	569618.34	4214962.38	4.32E-07	2.45E-07	6.77E-07	6.59E-08	3.72E-08	1.03E-07	2.98E-08	1.53E-08	4.51E-08
1538	569617.2	4214952.75	4.17E-07	2.36E-07	6.54E-07	6.37E-08	3.60E-08	9.97E-08	2.88E-08	1.48E-08	4.36E-08
1539	569616.06	4214943.12	4.04E-07	2.29E-07	6.33E-07	6.17E-08	3.48E-08	9.66E-08	2.79E-08	1.43E-08	4.22E-08
1540	569614.92	4214933.48	3.92E-07	2.22E-07	6.14E-07	5.99E-08	3.38E-08	9.37E-08	2.70E-08	1.39E-08	4.09E-08
1541	569613.78	4214923.85	3.81E-07	2.16E-07	5.96E-07	5.81E-08	3.28E-08	9.09E-08	2.62E-08	1.35E-08	3.97E-08
1542	569612.64	4214914.22	3.69E-07	2.09E-07	5.77E-07	5.63E-08	3.18E-08	8.81E-08	2.54E-08	1.31E-08	3.85E-08
1543	569611.5	4214904.59	3.57E-07	2.02E-07	5.60E-07	5.46E-08	3.08E-08	8.54E-08	2.46E-08	1.27E-08	3.73E-08
1544	569610.36	4214894.96	3.47E-07	1.97E-07	5.44E-07	5.30E-08	2.99E-08	8.29E-08	2.39E-08	1.23E-08	3.62E-08
1545	569627.46	4215039.43	5.56E-07	3.15E-07	8.71E-07	8.49E-08	4.79E-08	1.33E-07	3.83E-08	1.97E-08	5.80E-08
1546	569632.14	4215047.93	5.75E-07	3.26E-07	9.01E-07	8.79E-08	4.96E-08	1.37E-07	3.97E-08	2.04E-08	6.01E-08

1547	569636.81	4215056.43	5.97E-07	3.38E-07	9.36E-07	9.12E-08	5.15E-08	1.43E-07	4.12E-08	2.12E-08	6.24E-08
1548	569641.49	4215064.94	6.2E-07	3.51E-07	9.72E-07	9.47E-08	5.34E-08	1.48E-07	4.27E-08	2.20E-08	6.47E-08
1549	569646.16	4215073.44	6.43E-07	3.65E-07	1.01E-06	9.83E-08	5.54E-08	1.54E-07	4.43E-08	2.28E-08	6.72E-08
1550	569650.84	4215081.94	6.7E-07	3.80E-07	1.05E-06	1.02E-07	5.77E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
1551	569655.51	4215090.44	7.01E-07	3.97E-07	1.10E-06	1.07E-07	6.04E-08	1.67E-07	4.83E-08	2.48E-08	7.31E-08
1552	569660.19	4215098.94	7.33E-07	4.15E-07	1.15E-06	1.12E-07	6.32E-08	1.75E-07	5.05E-08	2.60E-08	7.65E-08
1553	569664.86	4215107.44	7.68E-07	4.35E-07	1.20E-06	1.17E-07	6.62E-08	1.83E-07	5.29E-08	2.72E-08	8.02E-08
1554	569669.54	4215115.95	8.03E-07	4.55E-07	1.26E-06	1.23E-07	6.92E-08	1.92E-07	5.53E-08	2.85E-08	8.38E-08
1555	569674.21	4215124.45	8.41E-07	4.76E-07	1.32E-06	1.28E-07	7.24E-08	2.01E-07	5.79E-08	2.98E-08	8.78E-08
1556	569688.23	4215149.95	9.71E-07	5.50E-07	1.52E-06	1.48E-07	8.37E-08	2.32E-07	6.69E-08	3.44E-08	1.01E-07
1557	569692.91	4215158.46	1.02E-06	5.78E-07	1.60E-06	1.56E-07	8.78E-08	2.44E-07	7.02E-08	3.62E-08	1.06E-07
1558	569697.58	4215166.96	1.08E-06	6.11E-07	1.69E-06	1.65E-07	9.30E-08	2.58E-07	7.44E-08	3.83E-08	1.13E-07
1559	569702.26	4215175.46	1.16E-06	6.59E-07	1.82E-06	1.78E-07	1.00E-07	2.78E-07	8.02E-08	4.13E-08	1.22E-07
1560	569706.93	4215183.96	1.26E-06	7.13E-07	1.97E-06	1.92E-07	1.08E-07	3.00E-07	8.67E-08	4.46E-08	1.31E-07
1561	569711.61	4215192.46	1.36E-06	7.69E-07	2.13E-06	2.07E-07	1.17E-07	3.24E-07	9.36E-08	4.82E-08	1.42E-07
1562	569716.28	4215200.97	1.42E-06	8.06E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.80E-08	5.04E-08	1.48E-07
1563	569720.96	4215209.47	1.45E-06	8.19E-07	2.26E-06	2.21E-07	1.25E-07	3.45E-07	9.96E-08	5.13E-08	1.51E-07
1564	569725.63	4215217.97	1.46E-06	8.26E-07	2.28E-06	2.23E-07	1.26E-07	3.48E-07	1.01E-07	5.17E-08	1.52E-07
1565	569730.31	4215226.47	1.47E-06	8.31E-07	2.30E-06	2.24E-07	1.26E-07	3.50E-07	1.01E-07	5.20E-08	1.53E-07
1566	569734.98	4215234.97	1.41E-06	7.97E-07	2.21E-06	2.15E-07	1.21E-07	3.36E-07	9.70E-08	4.99E-08	1.47E-07
1567	569739.65	4215243.48	1.36E-06	7.68E-07	2.12E-06	2.07E-07	1.17E-07	3.24E-07	9.34E-08	4.81E-08	1.42E-07
1568	569744.33	4215251.98	1.31E-06	7.43E-07	2.05E-06	2.00E-07	1.13E-07	3.13E-07	9.04E-08	4.65E-08	1.37E-07
1569	569749	4215260.48	1.27E-06	7.22E-07	2.00E-06	1.95E-07	1.10E-07	3.04E-07	8.78E-08	4.52E-08	1.33E-07
1570	569984.77	4215238.15	7E-06	3.97E-06	1.10E-05	1.07E-06	6.03E-07	1.67E-06	4.83E-07	2.48E-07	7.31E-07
1571	569985.08	4215247.82	6.44E-06	3.65E-06	1.01E-05	9.83E-07	5.55E-07	1.54E-06	4.44E-07	2.28E-07	6.72E-07
1572	569985.4	4215257.49	5.86E-06	3.32E-06	9.18E-06	8.95E-07	5.05E-07	1.40E-06	4.04E-07	2.08E-07	6.12E-07
1573	569985.71	4215267.16	5.27E-06	2.98E-06	8.25E-06	8.04E-07	4.54E-07	1.26E-06	3.63E-07	1.87E-07	5.50E-07
1574	569986.03	4215276.84	4.74E-06	2.68E-06	7.42E-06	7.24E-07	4.08E-07	1.13E-06	3.27E-07	1.68E-07	4.95E-07
1575	569986.34	4215286.51	4.31E-06	2.44E-06	6.75E-06	6.58E-07	3.71E-07	1.03E-06	2.97E-07	1.53E-07	4.50E-07
1576	569986.66	4215296.18	4.21E-06	2.38E-06	6.59E-06	6.42E-07	3.62E-07	1.00E-06	2.90E-07	1.49E-07	4.39E-07
1577	569986.97	4215305.85	4.15E-06	2.35E-06	6.50E-06	6.34E-07	3.58E-07	9.92E-07	2.86E-07	1.47E-07	4.33E-07
1578	569987.29	4215315.52	4.15E-06	2.35E-06	6.50E-06	6.33E-07	3.57E-07	9.91E-07	2.86E-07	1.47E-07	4.33E-07
1579	569987.6	4215325.19	4.28E-06	2.43E-06	6.71E-06	6.54E-07	3.69E-07	1.02E-06	2.95E-07	1.52E-07	4.47E-07
1580	569987.92	4215334.86	4.47E-06	2.53E-06	7.00E-06	6.82E-07	3.85E-07	1.07E-06	3.08E-07	1.58E-07	4.66E-07
1581	569988.23	4215344.54	4.76E-06	2.70E-06	7.46E-06	7.27E-07	4.10E-07	1.14E-06	3.28E-07	1.69E-07	4.97E-07
1582	569988.55	4215354.21	4.73E-06	2.68E-06	7.40E-06	7.22E-07	4.07E-07	1.13E-06	3.26E-07	1.68E-07	4.93E-07
1583	569988.86	4215363.88	4.6E-06	2.61E-06	7.21E-06	7.02E-07	3.96E-07	1.10E-06	3.17E-07	1.63E-07	4.80E-07
1584	569989.18	4215373.55	4.61E-06	2.61E-06	7.22E-06	7.04E-07	3.97E-07	1.10E-06	3.18E-07	1.63E-07	4.81E-07
1585	569973.51	4215199.79	7.6E-06	4.30E-06	1.19E-05	1.16E-06	6.55E-07	1.81E-06	5.24E-07	2.70E-07	7.93E-07
1586	569973.83	4215209.46	7.33E-06	4.15E-06	1.15E-05	1.12E-06	6.31E-07	1.75E-06	5.05E-07	2.60E-07	7.65E-07
1587	569974.14	4215219.13	6.91E-06	3.91E-06	1.08E-05	1.06E-06	5.95E-07	1.65E-06	4.76E-07	2.45E-07	7.21E-07
1588	569974.46	4215228.8	6.46E-06	3.66E-06	1.01E-05	9.86E-07	5.56E-07	1.54E-06	4.45E-07	2.29E-07	6.74E-07
1589	569974.77	4215238.48	6.04E-06	3.42E-06	9.46E-06	9.22E-07	5.20E-07	1.44E-06	4.16E-07	2.14E-07	6.30E-07
1590	569975.09	4215248.15	5.6E-06	3.17E-06	8.78E-06	8.56E-07	4.83E-07	1.34E-06	3.86E-07	1.99E-07	5.85E-07
1591	569975.4	4215257.82	5.16E-06	2.92E-06	8.08E-06	7.87E-07	4.44E-07	1.23E-06	3.55E-07	1.83E-07	5.38E-07
1592	569975.72	4215267.49	4.67E-06	2.65E-06	7.32E-06	7.14E-07	4.03E-07	1.12E-06	3.22E-07	1.66E-07	4.88E-07
1593	569976.03	4215277.16	4.25E-06	2.41E-06	6.66E-06	6.49E-07	3.66E-07	1.02E-06	2.93E-07	1.51E-07	4.44E-07
1594	569976.35	4215286.83	3.92E-06	2.22E-06	6.14E-06	5.98E-07	3.38E-07	9.36E-07	2.70E-07	1.39E-07	4.09E-07
1595	569976.66	4215296.5	3.85E-06	2.18E-06	6.04E-06	5.88E-07	3.32E-07	9.20E-07	2.66E-07	1.37E-07	4.02E-07
1596	569976.98	4215306.18	3.82E-06	2.17E-06	5.99E-06	5.84E-07	3.29E-07	9.13E-07	2.63E-07	1.36E-07	3.99E-07
1597	569977.29	4215315.85	3.83E-06	2.17E-06	5.99E-06	5.84E-07	3.30E-07	9.14E-07	2.64E-07	1.36E-07	3.99E-07
1598	569977.61	4215325.52	3.97E-06	2.25E-06	6.22E-06	6.06E-07	3.42E-07	9.48E-07	2.74E-07	1.41E-07	4.14E-07
1599	569977.92	4215335.19	4.14E-06	2.35E-06	6.49E-06	6.33E-07	3.57E-07	9.90E-07	2.86E-07	1.47E-07	4.33E-07
1600	569978.24	4215344.86	4.44E-06	2.51E-06	6.95E-06	6.78E-07	3.82E-07	1.06E-06	3.06E-07	1.57E-07	4.63E-07
1601	569978.55	4215354.53	4.43E-06	2.51E-06	6.93E-06	6.76E-07	3.81E-07	1.06E-06	3.05E-07	1.57E-07	4.62E-07
1602	569978.87	4215364.2	4.37E-06	2.47E-06	6.84E-06	6.67E-07	3.76E-07	1.04E-06	3.01E-07	1.55E-07	4.56E-07
1603	569979.18	4215373.88	4.53E-06	2.57E-06	7.10E-06	6.92E-07	3.90E-07	1.08E-06	3.12E-07	1.61E-07	4.73E-07
1604	569962.57	4215171.1	6.93E-06	3.93E-06	1.09E-05	1.06E-06	5.97E-07	1.66E-06	4.77E-07	2.46E-07	7.23E-07
1605	569962.89	4215180.77	7E-06	3.97E-06	1.10E-05	1.07E-06	6.03E-07	1.67E-06	4.83E-07	2.48E-07	7.31E-07
1606	569963.2	4215190.44	6.9E-06	3.91E-06	1.08E-05	1.05E-06	5.95E-07	1.65E-06	4.76E-07	2.45E-07	7.20E-07
1607	569963.52	4215200.12	6.72E-06	3.81E-06	1.05E-05	1.03E-06	5.79E-07	1.61E-06	4.63E-07	2.38E-07	7.02E-07
1608	569963.83	4215209.79	6.38E-06	3.62E-06	1.00E-05	9.75E-07	5.50E-07	1.52E-06	4.40E-07	2.26E-07	6.66E-07

1609	569964.15	4215219.46	5.96E-06	3.37E-06	9.33E-06	9.10E-07	5.13E-07	1.42E-06	4.10E-07	2.11E-07	6.22E-07
1610	569964.46	4215229.13	5.54E-06	3.14E-06	8.68E-06	8.46E-07	4.77E-07	1.32E-06	3.82E-07	1.97E-07	5.78E-07
1611	569964.78	4215238.8	5.23E-06	2.96E-06	8.20E-06	7.99E-07	4.51E-07	1.25E-06	3.61E-07	1.86E-07	5.46E-07
1612	569965.09	4215248.47	4.91E-06	2.78E-06	7.70E-06	7.50E-07	4.23E-07	1.17E-06	3.39E-07	1.74E-07	5.13E-07
1613	569965.41	4215258.14	4.58E-06	2.59E-06	7.17E-06	6.99E-07	3.94E-07	1.09E-06	3.15E-07	1.62E-07	4.78E-07
1614	569965.72	4215267.82	4.18E-06	2.37E-06	6.55E-06	6.39E-07	3.60E-07	9.99E-07	2.88E-07	1.48E-07	4.37E-07
1615	569966.04	4215277.49	3.84E-06	2.18E-06	6.01E-06	5.86E-07	3.31E-07	9.17E-07	2.65E-07	1.36E-07	4.01E-07
1616	569966.35	4215287.16	3.58E-06	2.03E-06	5.61E-06	5.47E-07	3.09E-07	8.55E-07	2.47E-07	1.27E-07	3.74E-07
1617	569966.67	4215296.83	3.54E-06	2.01E-06	5.55E-06	5.41E-07	3.05E-07	8.46E-07	2.44E-07	1.26E-07	3.70E-07
1618	569966.98	4215306.5	3.53E-06	2.00E-06	5.53E-06	5.39E-07	3.04E-07	8.43E-07	2.43E-07	1.25E-07	3.68E-07
1619	569967.3	4215316.17	3.54E-06	2.00E-06	5.54E-06	5.40E-07	3.05E-07	8.45E-07	2.44E-07	1.25E-07	3.69E-07
1620	569967.61	4215325.84	3.69E-06	2.09E-06	5.78E-06	5.63E-07	3.18E-07	8.81E-07	2.54E-07	1.31E-07	3.85E-07
1621	569967.93	4215335.52	3.86E-06	2.19E-06	6.04E-06	5.89E-07	3.32E-07	9.21E-07	2.66E-07	1.37E-07	4.03E-07
1622	569968.24	4215345.19	4.06E-06	2.30E-06	6.36E-06	6.20E-07	3.50E-07	9.70E-07	2.80E-07	1.44E-07	4.24E-07
1623	569968.56	4215354.86	4.07E-06	2.30E-06	6.37E-06	6.21E-07	3.50E-07	9.71E-07	2.80E-07	1.44E-07	4.25E-07
1624	569968.87	4215364.53	4.17E-06	2.36E-06	6.53E-06	6.36E-07	3.59E-07	9.95E-07	2.87E-07	1.48E-07	4.35E-07
1625	569969.19	4215374.2	4.5E-06	2.55E-06	7.05E-06	6.87E-07	3.88E-07	1.08E-06	3.10E-07	1.60E-07	4.70E-07
1626	569952.26	4215161.76	6.04E-06	3.42E-06	9.47E-06	9.23E-07	5.21E-07	1.44E-06	4.17E-07	2.14E-07	6.31E-07
1627	569952.58	4215171.43	6.24E-06	3.53E-06	9.77E-06	9.52E-07	5.37E-07	1.49E-06	4.30E-07	2.21E-07	6.51E-07
1628	569952.89	4215181.1	6.28E-06	3.56E-06	9.84E-06	9.59E-07	5.41E-07	1.50E-06	4.33E-07	2.23E-07	6.56E-07
1629	569953.21	4215190.77	6.19E-06	3.50E-06	9.69E-06	9.45E-07	5.33E-07	1.48E-06	4.26E-07	2.19E-07	6.46E-07
1630	569953.52	4215200.44	6.02E-06	3.41E-06	9.42E-06	9.19E-07	5.18E-07	1.44E-06	4.15E-07	2.13E-07	6.28E-07
1631	569953.84	4215210.11	5.68E-06	3.22E-06	8.90E-06	8.67E-07	4.89E-07	1.36E-06	3.91E-07	2.01E-07	5.93E-07
1632	569954.15	4215219.78	5.26E-06	2.98E-06	8.24E-06	8.03E-07	4.53E-07	1.26E-06	3.62E-07	1.87E-07	5.49E-07
1633	569954.47	4215229.46	4.87E-06	2.76E-06	7.63E-06	7.44E-07	4.20E-07	1.16E-06	3.36E-07	1.73E-07	5.09E-07
1634	569954.78	4215239.13	4.6E-06	2.61E-06	7.21E-06	7.03E-07	3.97E-07	1.10E-06	3.17E-07	1.63E-07	4.81E-07
1635	569955.1	4215248.8	4.33E-06	2.45E-06	6.79E-06	6.62E-07	3.73E-07	1.03E-06	2.99E-07	1.54E-07	4.52E-07
1636	569955.41	4215258.47	4.06E-06	2.30E-06	6.36E-06	6.20E-07	3.50E-07	9.70E-07	2.80E-07	1.44E-07	4.24E-07
1637	569955.73	4215268.14	3.78E-06	2.14E-06	5.92E-06	5.77E-07	3.25E-07	9.02E-07	2.60E-07	1.34E-07	3.94E-07
1638	569956.04	4215277.81	3.53E-06	2.00E-06	5.53E-06	5.39E-07	3.04E-07	8.43E-07	2.43E-07	1.25E-07	3.68E-07
1639	569956.36	4215287.48	3.34E-06	1.89E-06	5.23E-06	5.10E-07	2.88E-07	7.98E-07	2.30E-07	1.18E-07	3.49E-07
1640	569956.67	4215297.16	3.3E-06	1.87E-06	5.18E-06	5.05E-07	2.85E-07	7.89E-07	2.28E-07	1.17E-07	3.45E-07
1641	569956.99	4215306.83	3.29E-06	1.86E-06	5.15E-06	5.02E-07	2.83E-07	7.86E-07	2.27E-07	1.17E-07	3.43E-07
1642	569957.3	4215316.5	3.3E-06	1.87E-06	5.17E-06	5.04E-07	2.84E-07	7.88E-07	2.27E-07	1.17E-07	3.44E-07
1643	569957.62	4215326.17	3.42E-06	1.94E-06	5.36E-06	5.22E-07	2.95E-07	8.17E-07	2.36E-07	1.21E-07	3.57E-07
1644	569957.93	4215335.84	3.56E-06	2.02E-06	5.58E-06	5.44E-07	3.07E-07	8.50E-07	2.45E-07	1.26E-07	3.72E-07
1645	569958.25	4215345.51	3.73E-06	2.11E-06	5.84E-06	5.69E-07	3.21E-07	8.91E-07	2.57E-07	1.32E-07	3.89E-07
1646	569958.56	4215355.18	3.77E-06	2.14E-06	5.90E-06	5.76E-07	3.25E-07	9.00E-07	2.60E-07	1.34E-07	3.93E-07
1647	569958.88	4215364.86	3.95E-06	2.24E-06	6.19E-06	6.03E-07	3.40E-07	9.43E-07	2.72E-07	1.40E-07	4.12E-07
1648	569959.19	4215374.53	4.46E-06	2.53E-06	6.99E-06	6.81E-07	3.84E-07	1.07E-06	3.07E-07	1.58E-07	4.66E-07
1649	569942.58	4215171.75	5.66E-06	3.21E-06	8.87E-06	8.65E-07	4.88E-07	1.35E-06	3.90E-07	2.01E-07	5.91E-07
1650	569942.9	4215181.42	5.69E-06	3.22E-06	8.91E-06	8.68E-07	4.90E-07	1.36E-06	3.92E-07	2.02E-07	5.94E-07
1651	569943.21	4215191.1	5.67E-06	3.21E-06	8.89E-06	8.67E-07	4.89E-07	1.36E-06	3.91E-07	2.01E-07	5.92E-07
1652	569943.53	4215200.77	5.42E-06	3.07E-06	8.49E-06	8.27E-07	4.67E-07	1.29E-06	3.73E-07	1.92E-07	5.65E-07
1653	569943.84	4215210.44	5.08E-06	2.88E-06	7.96E-06	7.76E-07	4.38E-07	1.21E-06	3.50E-07	1.80E-07	5.30E-07
1654	569944.16	4215220.11	4.67E-06	2.65E-06	7.32E-06	7.14E-07	4.03E-07	1.12E-06	3.22E-07	1.66E-07	4.88E-07
1655	569944.47	4215229.78	4.32E-06	2.45E-06	6.76E-06	6.59E-07	3.72E-07	1.03E-06	2.98E-07	1.53E-07	4.51E-07
1656	569944.79	4215239.45	4.08E-06	2.31E-06	6.39E-06	6.23E-07	3.51E-07	9.74E-07	2.81E-07	1.45E-07	4.26E-07
1657	569945.1	4215249.12	3.84E-06	2.18E-06	6.02E-06	5.87E-07	3.31E-07	9.18E-07	2.65E-07	1.36E-07	4.01E-07
1658	569945.42	4215258.8	3.62E-06	2.05E-06	5.68E-06	5.53E-07	3.12E-07	8.66E-07	2.50E-07	1.29E-07	3.78E-07
1659	569945.73	4215268.47	3.43E-06	1.95E-06	5.38E-06	5.24E-07	2.96E-07	8.20E-07	2.37E-07	1.22E-07	3.59E-07
1660	569946.05	4215278.14	3.27E-06	1.85E-06	5.12E-06	4.99E-07	2.82E-07	7.80E-07	2.25E-07	1.16E-07	3.41E-07
1661	569946.36	4215287.81	3.14E-06	1.78E-06	4.92E-06	4.79E-07	2.70E-07	7.50E-07	2.16E-07	1.11E-07	3.28E-07
1662	569946.68	4215297.48	3.1E-06	1.76E-06	4.86E-06	4.74E-07	2.67E-07	7.41E-07	2.14E-07	1.10E-07	3.24E-07
1663	569946.99	4215307.15	3.08E-06	1.75E-06	4.83E-06	4.71E-07	2.66E-07	7.36E-07	2.12E-07	1.09E-07	3.22E-07
1664	569947.31	4215316.82	3.09E-06	1.75E-06	4.83E-06	4.71E-07	2.66E-07	7.37E-07	2.13E-07	1.09E-07	3.22E-07
1665	569947.62	4215326.5	3.18E-06	1.80E-06	4.97E-06	4.85E-07	2.74E-07	7.59E-07	2.19E-07	1.13E-07	3.31E-07
1666	569947.94	4215336.17	3.28E-06	1.86E-06	5.14E-06	5.01E-07	2.83E-07	7.83E-07	2.26E-07	1.16E-07	3.42E-07
1667	569948.25	4215345.84	3.41E-06	1.93E-06	5.34E-06	5.20E-07	2.94E-07	8.14E-07	2.35E-07	1.21E-07	3.56E-07
1668	569948.57	4215355.51	3.49E-06	1.98E-06	5.47E-06	5.33E-07	3.01E-07	8.34E-07	2.40E-07	1.24E-07	3.64E-07
1669	569948.88	4215365.18	3.75E-06	2.12E-06	5.88E-06	5.73E-07	3.23E-07	8.96E-07	2.58E-07	1.33E-07	3.91E-07
1670	569949.2	4215374.85	4.44E-06	2.51E-06	6.95E-06	6.77E-07	3.82E-07	1.06E-06	3.06E-07	1.57E-07	4.63E-07

1671	569932.59	4215172.08	5.18E-06	2.93E-06	8.11E-06	7.91E-07	4.46E-07	1.24E-06	3.57E-07	1.84E-07	5.41E-07
1672	569932.9	4215181.75	5.18E-06	2.94E-06	8.12E-06	7.92E-07	4.47E-07	1.24E-06	3.57E-07	1.84E-07	5.41E-07
1673	569933.22	4215191.42	5.17E-06	2.93E-06	8.10E-06	7.89E-07	4.46E-07	1.24E-06	3.56E-07	1.83E-07	5.40E-07
1674	569933.53	4215201.09	4.9E-06	2.78E-06	7.68E-06	7.49E-07	4.23E-07	1.17E-06	3.38E-07	1.74E-07	5.12E-07
1675	569933.85	4215210.76	4.57E-06	2.59E-06	7.15E-06	6.97E-07	3.93E-07	1.09E-06	3.15E-07	1.62E-07	4.77E-07
1676	569934.16	4215220.44	4.17E-06	2.37E-06	6.54E-06	6.37E-07	3.60E-07	9.97E-07	2.88E-07	1.48E-07	4.36E-07
1677	569934.48	4215230.11	3.85E-06	2.18E-06	6.03E-06	5.88E-07	3.32E-07	9.20E-07	2.65E-07	1.37E-07	4.02E-07
1678	569934.79	4215239.78	3.64E-06	2.06E-06	5.70E-06	5.55E-07	3.13E-07	8.69E-07	2.51E-07	1.29E-07	3.80E-07
1679	569935.11	4215249.45	3.43E-06	1.94E-06	5.38E-06	5.24E-07	2.96E-07	8.20E-07	2.37E-07	1.22E-07	3.58E-07
1680	569935.42	4215259.12	3.26E-06	1.85E-06	5.11E-06	4.98E-07	2.81E-07	7.79E-07	2.25E-07	1.16E-07	3.40E-07
1681	569935.74	4215268.79	3.14E-06	1.78E-06	4.93E-06	4.80E-07	2.71E-07	7.51E-07	2.17E-07	1.12E-07	3.28E-07
1682	569936.05	4215278.46	3.04E-06	1.72E-06	4.76E-06	4.64E-07	2.62E-07	7.26E-07	2.09E-07	1.08E-07	3.17E-07
1683	569936.37	4215288.14	2.96E-06	1.67E-06	4.63E-06	4.51E-07	2.55E-07	7.06E-07	2.04E-07	1.05E-07	3.09E-07
1684	569936.68	4215297.81	2.92E-06	1.65E-06	4.57E-06	4.46E-07	2.51E-07	6.97E-07	2.01E-07	1.04E-07	3.05E-07
1685	569937	4215307.48	2.89E-06	1.64E-06	4.53E-06	4.42E-07	2.49E-07	6.91E-07	1.99E-07	1.03E-07	3.02E-07
1686	569937.31	4215317.15	2.89E-06	1.64E-06	4.53E-06	4.41E-07	2.49E-07	6.90E-07	1.99E-07	1.03E-07	3.02E-07
1687	569937.63	4215326.82	2.95E-06	1.67E-06	4.63E-06	4.51E-07	2.54E-07	7.05E-07	2.03E-07	1.05E-07	3.08E-07
1688	569937.94	4215336.49	3.04E-06	1.72E-06	4.75E-06	4.63E-07	2.62E-07	7.25E-07	2.09E-07	1.08E-07	3.17E-07
1689	569938.26	4215346.16	3.15E-06	1.78E-06	4.93E-06	4.81E-07	2.71E-07	7.52E-07	2.17E-07	1.12E-07	3.29E-07
1690	569938.57	4215355.84	3.28E-06	1.86E-06	5.14E-06	5.01E-07	2.83E-07	7.84E-07	2.26E-07	1.16E-07	3.43E-07
1691	569938.89	4215365.51	3.63E-06	2.06E-06	5.69E-06	5.54E-07	3.13E-07	8.67E-07	2.50E-07	1.29E-07	3.79E-07
1692	569939.2	4215375.18	4.48E-06	2.54E-06	7.02E-06	6.84E-07	3.86E-07	1.07E-06	3.09E-07	1.59E-07	4.68E-07
1693	569922.91	4215182.08	4.76E-06	2.70E-06	7.46E-06	7.28E-07	4.11E-07	1.14E-06	3.28E-07	1.69E-07	4.97E-07
1694	569923.22	4215191.75	4.78E-06	2.71E-06	7.49E-06	7.30E-07	4.12E-07	1.14E-06	3.29E-07	1.70E-07	4.99E-07
1695	569923.54	4215201.42	4.56E-06	2.58E-06	7.14E-06	6.96E-07	3.93E-07	1.09E-06	3.14E-07	1.62E-07	4.76E-07
1696	569923.85	4215211.09	4.23E-06	2.40E-06	6.62E-06	6.46E-07	3.64E-07	1.01E-06	2.91E-07	1.50E-07	4.41E-07
1697	569924.17	4215220.76	3.84E-06	2.17E-06	6.01E-06	5.86E-07	3.31E-07	9.17E-07	2.65E-07	1.36E-07	4.01E-07
1698	569924.48	4215230.43	3.52E-06	2.00E-06	5.52E-06	5.38E-07	3.04E-07	8.42E-07	2.43E-07	1.25E-07	3.68E-07
1699	569924.8	4215240.1	3.32E-06	1.88E-06	5.20E-06	5.07E-07	2.86E-07	7.93E-07	2.29E-07	1.18E-07	3.46E-07
1700	569925.11	4215249.78	3.12E-06	1.77E-06	4.90E-06	4.77E-07	2.69E-07	7.46E-07	2.15E-07	1.11E-07	3.26E-07
1701	569925.43	4215259.45	2.98E-06	1.69E-06	4.66E-06	4.54E-07	2.56E-07	7.11E-07	2.05E-07	1.06E-07	3.11E-07
1702	569925.74	4215269.12	2.89E-06	1.64E-06	4.53E-06	4.41E-07	2.49E-07	6.90E-07	1.99E-07	1.02E-07	3.02E-07
1703	569926.06	4215278.79	2.81E-06	1.59E-06	4.41E-06	4.29E-07	2.42E-07	6.72E-07	1.94E-07	9.98E-08	2.94E-07
1704	569926.37	4215288.46	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.57E-07	1.90E-07	9.76E-08	2.87E-07
1705	569926.69	4215298.13	2.72E-06	1.54E-06	4.25E-06	4.15E-07	2.34E-07	6.49E-07	1.87E-07	9.63E-08	2.83E-07
1706	569927	4215307.8	2.69E-06	1.52E-06	4.22E-06	4.11E-07	2.32E-07	6.43E-07	1.85E-07	9.55E-08	2.81E-07
1707	569927.32	4215317.48	2.69E-06	1.52E-06	4.21E-06	4.11E-07	2.32E-07	6.42E-07	1.85E-07	9.54E-08	2.81E-07
1708	569927.63	4215327.15	2.75E-06	1.56E-06	4.31E-06	4.20E-07	2.37E-07	6.57E-07	1.89E-07	9.75E-08	2.87E-07
1709	569927.95	4215336.82	2.83E-06	1.61E-06	4.44E-06	4.33E-07	2.44E-07	6.77E-07	1.95E-07	1.01E-07	2.96E-07
1710	569928.26	4215346.49	2.96E-06	1.68E-06	4.64E-06	4.52E-07	2.55E-07	7.07E-07	2.04E-07	1.05E-07	3.09E-07
1711	569928.58	4215356.16	3.13E-06	1.77E-06	4.91E-06	4.78E-07	2.70E-07	7.48E-07	2.16E-07	1.11E-07	3.27E-07
1712	569928.89	4215365.83	3.54E-06	2.00E-06	5.54E-06	5.40E-07	3.05E-07	8.45E-07	2.44E-07	1.25E-07	3.69E-07
1713	569929.21	4215375.5	4.47E-06	2.53E-06	7.00E-06	6.82E-07	3.85E-07	1.07E-06	3.08E-07	1.59E-07	4.66E-07
1714	569912.91	4215182.4	4.4E-06	2.49E-06	6.90E-06	6.72E-07	3.79E-07	1.05E-06	3.03E-07	1.56E-07	4.60E-07
1715	569913.23	4215192.07	4.44E-06	2.51E-06	6.95E-06	6.78E-07	3.82E-07	1.06E-06	3.06E-07	1.57E-07	4.63E-07
1716	569913.54	4215201.74	4.25E-06	2.41E-06	6.66E-06	6.49E-07	3.66E-07	1.02E-06	2.93E-07	1.51E-07	4.44E-07
1717	569913.86	4215211.42	3.93E-06	2.23E-06	6.16E-06	6.00E-07	3.39E-07	9.39E-07	2.71E-07	1.39E-07	4.10E-07
1718	569914.17	4215221.09	3.55E-06	2.01E-06	5.55E-06	5.41E-07	3.06E-07	8.47E-07	2.44E-07	1.26E-07	3.70E-07
1719	569914.49	4215230.76	3.24E-06	1.84E-06	5.08E-06	4.95E-07	2.80E-07	7.75E-07	2.24E-07	1.15E-07	3.39E-07
1720	569914.8	4215240.43	3.05E-06	1.73E-06	4.77E-06	4.65E-07	2.63E-07	7.28E-07	2.10E-07	1.08E-07	3.18E-07
1721	569915.12	4215250.1	2.87E-06	1.62E-06	4.49E-06	4.38E-07	2.47E-07	6.85E-07	1.98E-07	1.02E-07	2.99E-07
1722	569915.43	4215259.77	2.73E-06	1.55E-06	4.28E-06	4.17E-07	2.35E-07	6.52E-07	1.88E-07	9.68E-08	2.85E-07
1723	569915.75	4215269.44	2.66E-06	1.51E-06	4.16E-06	4.06E-07	2.29E-07	6.35E-07	1.83E-07	9.43E-08	2.78E-07
1724	569916.06	4215279.12	2.6E-06	1.47E-06	4.07E-06	3.96E-07	2.24E-07	6.20E-07	1.79E-07	9.21E-08	2.71E-07
1725	569916.38	4215288.79	2.54E-06	1.44E-06	3.98E-06	3.88E-07	2.19E-07	6.08E-07	1.75E-07	9.02E-08	2.65E-07
1726	569916.69	4215298.46	2.51E-06	1.42E-06	3.93E-06	3.83E-07	2.16E-07	5.99E-07	1.73E-07	8.89E-08	2.62E-07
1727	569917.01	4215308.13	2.5E-06	1.42E-06	3.92E-06	3.82E-07	2.15E-07	5.97E-07	1.72E-07	8.86E-08	2.61E-07
1728	569917.32	4215317.8	2.5E-06	1.42E-06	3.91E-06	3.81E-07	2.15E-07	5.97E-07	1.72E-07	8.86E-08	2.61E-07
1729	569917.64	4215327.47	2.57E-06	1.45E-06	4.02E-06	3.92E-07	2.21E-07	6.13E-07	1.77E-07	9.11E-08	2.68E-07
1730	569917.95	4215337.14	2.66E-06	1.51E-06	4.17E-06	4.07E-07	2.30E-07	6.36E-07	1.84E-07	9.45E-08	2.78E-07
1731	569918.27	4215346.82	2.81E-06	1.59E-06	4.40E-06	4.29E-07	2.42E-07	6.71E-07	1.94E-07	9.96E-08	2.93E-07
1732	569918.58	4215356.49	2.99E-06	1.69E-06	4.68E-06	4.56E-07	2.57E-07	7.13E-07	2.06E-07	1.06E-07	3.12E-07

1733	569918.9	4215366.16	3.37E-06	1.91E-06	5.29E-06	5.15E-07	2.91E-07	8.06E-07	2.33E-07	1.20E-07	3.52E-07
1734	569919.21	4215375.83	4.19E-06	2.37E-06	6.56E-06	6.39E-07	3.61E-07	1.00E-06	2.88E-07	1.48E-07	4.37E-07
1735	569903.23	4215192.4	4.14E-06	2.35E-06	6.48E-06	6.32E-07	3.57E-07	9.89E-07	2.85E-07	1.47E-07	4.32E-07
1736	569903.55	4215202.07	3.98E-06	2.25E-06	6.23E-06	6.08E-07	3.43E-07	9.51E-07	2.74E-07	1.41E-07	4.15E-07
1737	569903.86	4215211.74	3.66E-06	2.08E-06	5.74E-06	5.60E-07	3.16E-07	8.75E-07	2.53E-07	1.30E-07	3.83E-07
1738	569904.18	4215221.41	3.28E-06	1.86E-06	5.14E-06	5.01E-07	2.83E-07	7.84E-07	2.26E-07	1.16E-07	3.43E-07
1739	569904.49	4215231.08	3E-06	1.70E-06	4.70E-06	4.58E-07	2.58E-07	7.16E-07	2.07E-07	1.06E-07	3.13E-07
1740	569904.81	4215240.75	2.81E-06	1.59E-06	4.40E-06	4.29E-07	2.42E-07	6.71E-07	1.94E-07	9.97E-08	2.93E-07
1741	569905.12	4215250.43	2.63E-06	1.49E-06	4.13E-06	4.02E-07	2.27E-07	6.29E-07	1.82E-07	9.34E-08	2.75E-07
1742	569905.44	4215260.1	2.52E-06	1.43E-06	3.95E-06	3.85E-07	2.17E-07	6.02E-07	1.74E-07	8.94E-08	2.63E-07
1743	569905.75	4215269.77	2.46E-06	1.40E-06	3.86E-06	3.76E-07	2.12E-07	5.88E-07	1.70E-07	8.74E-08	2.57E-07
1744	569906.07	4215279.44	2.41E-06	1.37E-06	3.78E-06	3.68E-07	2.08E-07	5.76E-07	1.66E-07	8.55E-08	2.52E-07
1745	569906.38	4215289.11	2.37E-06	1.34E-06	3.71E-06	3.61E-07	2.04E-07	5.65E-07	1.63E-07	8.40E-08	2.47E-07
1746	569906.7	4215298.78	2.33E-06	1.32E-06	3.65E-06	3.56E-07	2.01E-07	5.57E-07	1.61E-07	8.27E-08	2.43E-07
1747	569907.01	4215308.45	2.3E-06	1.30E-06	3.60E-06	3.51E-07	1.98E-07	5.49E-07	1.59E-07	8.16E-08	2.40E-07
1748	569907.33	4215318.13	2.3E-06	1.30E-06	3.60E-06	3.51E-07	1.98E-07	5.48E-07	1.58E-07	8.14E-08	2.40E-07
1749	569907.64	4215327.8	2.41E-06	1.36E-06	3.77E-06	3.68E-07	2.07E-07	5.75E-07	1.66E-07	8.54E-08	2.51E-07
1750	569907.96	4215337.47	2.51E-06	1.42E-06	3.93E-06	3.84E-07	2.16E-07	6.00E-07	1.73E-07	8.91E-08	2.62E-07
1751	569908.27	4215347.14	2.66E-06	1.51E-06	4.16E-06	4.06E-07	2.29E-07	6.35E-07	1.83E-07	9.43E-08	2.77E-07
1752	569908.59	4215356.81	2.82E-06	1.60E-06	4.41E-06	4.30E-07	2.43E-07	6.73E-07	1.94E-07	1.00E-07	2.94E-07
1753	569908.9	4215366.48	3.13E-06	1.77E-06	4.91E-06	4.78E-07	2.70E-07	7.48E-07	2.16E-07	1.11E-07	3.27E-07
1754	569909.22	4215376.15	3.68E-06	2.09E-06	5.77E-06	5.62E-07	3.17E-07	8.80E-07	2.54E-07	1.31E-07	3.84E-07
1755	569893.24	4215192.72	3.88E-06	2.20E-06	6.08E-06	5.92E-07	3.34E-07	9.27E-07	2.67E-07	1.38E-07	4.05E-07
1756	569893.55	4215202.39	3.77E-06	2.13E-06	5.90E-06	5.75E-07	3.24E-07	8.99E-07	2.59E-07	1.34E-07	3.93E-07
1757	569893.87	4215212.07	3.49E-06	1.98E-06	5.47E-06	5.33E-07	3.01E-07	8.33E-07	2.40E-07	1.24E-07	3.64E-07
1758	569894.18	4215221.74	3.14E-06	1.78E-06	4.91E-06	4.79E-07	2.70E-07	7.49E-07	2.16E-07	1.11E-07	3.27E-07
1759	569894.5	4215231.41	2.86E-06	1.62E-06	4.48E-06	4.37E-07	2.47E-07	6.83E-07	1.97E-07	1.01E-07	2.99E-07
1760	569894.81	4215241.08	2.66E-06	1.51E-06	4.17E-06	4.07E-07	2.30E-07	6.37E-07	1.84E-07	9.45E-08	2.78E-07
1761	569895.13	4215250.75	2.49E-06	1.41E-06	3.91E-06	3.81E-07	2.15E-07	5.96E-07	1.72E-07	8.85E-08	2.60E-07
1762	569895.44	4215260.42	2.37E-06	1.34E-06	3.72E-06	3.62E-07	2.05E-07	5.67E-07	1.64E-07	8.42E-08	2.48E-07
1763	569895.76	4215270.09	2.3E-06	1.30E-06	3.61E-06	3.51E-07	1.98E-07	5.50E-07	1.59E-07	8.16E-08	2.40E-07
1764	569896.07	4215279.77	2.24E-06	1.27E-06	3.50E-06	3.42E-07	1.93E-07	5.34E-07	1.54E-07	7.93E-08	2.33E-07
1765	569896.39	4215289.44	2.19E-06	1.24E-06	3.43E-06	3.34E-07	1.89E-07	5.23E-07	1.51E-07	7.77E-08	2.29E-07
1766	569896.7	4215299.11	2.16E-06	1.23E-06	3.39E-06	3.31E-07	1.87E-07	5.17E-07	1.49E-07	7.68E-08	2.26E-07
1767	569897.02	4215308.78	2.14E-06	1.21E-06	3.36E-06	3.27E-07	1.85E-07	5.12E-07	1.48E-07	7.60E-08	2.24E-07
1768	569897.33	4215318.45	2.14E-06	1.22E-06	3.36E-06	3.27E-07	1.85E-07	5.12E-07	1.48E-07	7.61E-08	2.24E-07
1769	569897.65	4215328.12	2.22E-06	1.26E-06	3.47E-06	3.38E-07	1.91E-07	5.29E-07	1.53E-07	7.86E-08	2.31E-07
1770	569897.96	4215337.79	2.36E-06	1.34E-06	3.69E-06	3.60E-07	2.03E-07	5.63E-07	1.62E-07	8.36E-08	2.46E-07
1771	569898.28	4215347.47	2.49E-06	1.41E-06	3.90E-06	3.80E-07	2.15E-07	5.95E-07	1.72E-07	8.83E-08	2.60E-07
1772	569898.59	4215357.14	2.62E-06	1.49E-06	4.11E-06	4.01E-07	2.26E-07	6.27E-07	1.81E-07	9.31E-08	2.74E-07
1773	569898.91	4215366.81	2.85E-06	1.62E-06	4.47E-06	4.36E-07	2.46E-07	6.81E-07	1.97E-07	1.01E-07	2.98E-07
1774	569883.56	4215202.72	3.57E-06	2.02E-06	5.59E-06	5.45E-07	3.07E-07	8.52E-07	2.46E-07	1.27E-07	3.72E-07
1775	569883.87	4215212.39	3.33E-06	1.88E-06	5.21E-06	5.08E-07	2.87E-07	7.95E-07	2.29E-07	1.18E-07	3.47E-07
1776	569884.19	4215222.06	3E-06	1.70E-06	4.71E-06	4.59E-07	2.59E-07	7.18E-07	2.07E-07	1.07E-07	3.14E-07
1777	569884.5	4215231.73	2.74E-06	1.55E-06	4.30E-06	4.19E-07	2.36E-07	6.55E-07	1.89E-07	9.73E-08	2.86E-07
1778	569884.82	4215241.41	2.54E-06	1.44E-06	3.99E-06	3.89E-07	2.19E-07	6.08E-07	1.75E-07	9.03E-08	2.66E-07
1779	569885.13	4215251.08	2.37E-06	1.34E-06	3.72E-06	3.62E-07	2.04E-07	5.67E-07	1.64E-07	8.42E-08	2.48E-07
1780	569885.45	4215260.75	2.25E-06	1.27E-06	3.52E-06	3.43E-07	1.94E-07	5.37E-07	1.55E-07	7.97E-08	2.34E-07
1781	569885.76	4215270.42	2.16E-06	1.22E-06	3.38E-06	3.29E-07	1.86E-07	5.15E-07	1.49E-07	7.65E-08	2.25E-07
1782	569886.08	4215280.09	2.08E-06	1.18E-06	3.26E-06	3.18E-07	1.79E-07	4.97E-07	1.43E-07	7.38E-08	2.17E-07
1783	569886.39	4215289.76	2.03E-06	1.15E-06	3.18E-06	3.10E-07	1.75E-07	4.85E-07	1.40E-07	7.20E-08	2.12E-07
1784	569886.71	4215299.43	2.02E-06	1.14E-06	3.16E-06	3.08E-07	1.74E-07	4.82E-07	1.39E-07	7.15E-08	2.11E-07
1785	569887.02	4215309.11	2.01E-06	1.14E-06	3.14E-06	3.06E-07	1.73E-07	4.79E-07	1.38E-07	7.11E-08	2.09E-07
1786	569887.34	4215318.78	2.01E-06	1.14E-06	3.15E-06	3.07E-07	1.73E-07	4.81E-07	1.39E-07	7.14E-08	2.10E-07
1787	569887.65	4215328.45	2.07E-06	1.17E-06	3.24E-06	3.16E-07	1.78E-07	4.94E-07	1.43E-07	7.34E-08	2.16E-07
1788	569887.97	4215338.12	2.16E-06	1.22E-06	3.38E-06	3.29E-07	1.86E-07	5.15E-07	1.49E-07	7.65E-08	2.25E-07
1789	569888.28	4215347.79	2.31E-06	1.31E-06	3.62E-06	3.53E-07	1.99E-07	5.52E-07	1.59E-07	8.20E-08	2.41E-07
1790	569888.6	4215357.46	2.42E-06	1.37E-06	3.79E-06	3.69E-07	2.08E-07	5.77E-07	1.67E-07	8.57E-08	2.52E-07
1791	569888.91	4215367.13	2.57E-06	1.46E-06	4.03E-06	3.93E-07	2.22E-07	6.14E-07	1.77E-07	9.13E-08	2.69E-07
1792	569873.56	4215203.05	3.38E-06	1.92E-06	5.30E-06	5.17E-07	2.92E-07	8.08E-07	2.33E-07	1.20E-07	3.53E-07
1793	569873.88	4215212.72	3.18E-06	1.80E-06	4.97E-06	4.85E-07	2.74E-07	7.58E-07	2.19E-07	1.13E-07	3.31E-07
1794	569874.19	4215222.39	2.88E-06	1.63E-06	4.51E-06	4.40E-07	2.48E-07	6.88E-07	1.98E-07	1.02E-07	3.01E-07

1795	569874.51	4215232.06	2.63E-06	1.49E-06	4.12E-06	4.02E-07	2.27E-07	6.28E-07	1.81E-07	9.33E-08	2.75E-07
1796	569874.82	4215241.73	2.43E-06	1.38E-06	3.81E-06	3.71E-07	2.10E-07	5.81E-07	1.68E-07	8.62E-08	2.54E-07
1797	569875.14	4215251.4	2.26E-06	1.28E-06	3.54E-06	3.45E-07	1.95E-07	5.40E-07	1.56E-07	8.02E-08	2.36E-07
1798	569875.45	4215261.07	2.13E-06	1.21E-06	3.33E-06	3.25E-07	1.83E-07	5.08E-07	1.47E-07	7.55E-08	2.22E-07
1799	569875.77	4215270.75	2.03E-06	1.15E-06	3.17E-06	3.09E-07	1.75E-07	4.84E-07	1.40E-07	7.19E-08	2.11E-07
1800	569876.08	4215280.42	1.94E-06	1.10E-06	3.04E-06	2.96E-07	1.67E-07	4.64E-07	1.34E-07	6.89E-08	2.03E-07
1801	569876.4	4215290.09	1.89E-06	1.07E-06	2.97E-06	2.89E-07	1.63E-07	4.52E-07	1.31E-07	6.72E-08	1.98E-07
1802	569876.71	4215299.76	1.89E-06	1.07E-06	2.96E-06	2.88E-07	1.63E-07	4.51E-07	1.30E-07	6.69E-08	1.97E-07
1803	569877.03	4215309.43	1.88E-06	1.07E-06	2.95E-06	2.88E-07	1.62E-07	4.50E-07	1.30E-07	6.68E-08	1.97E-07
1804	569877.34	4215319.1	1.89E-06	1.07E-06	2.96E-06	2.89E-07	1.63E-07	4.52E-07	1.30E-07	6.71E-08	1.98E-07
1805	569877.66	4215328.77	1.94E-06	1.10E-06	3.03E-06	2.96E-07	1.67E-07	4.62E-07	1.33E-07	6.87E-08	2.02E-07
1806	569877.97	4215338.45	2E-06	1.14E-06	3.14E-06	3.06E-07	1.73E-07	4.79E-07	1.38E-07	7.11E-08	2.09E-07
1807	569878.29	4215348.12	2.1E-06	1.19E-06	3.28E-06	3.20E-07	1.81E-07	5.01E-07	1.44E-07	7.44E-08	2.19E-07
1808	569878.6	4215357.79	2.19E-06	1.24E-06	3.43E-06	3.34E-07	1.89E-07	5.23E-07	1.51E-07	7.76E-08	2.28E-07
1809	569878.92	4215367.46	2.31E-06	1.31E-06	3.62E-06	3.53E-07	1.99E-07	5.52E-07	1.59E-07	8.19E-08	2.41E-07
1810	569863.88	4215213.04	3.03E-06	1.72E-06	4.75E-06	4.63E-07	2.61E-07	7.24E-07	2.09E-07	1.08E-07	3.17E-07
1811	569864.2	4215222.71	2.82E-06	1.60E-06	4.41E-06	4.30E-07	2.43E-07	6.73E-07	1.94E-07	9.99E-08	2.94E-07
1812	569864.51	4215232.39	2.6E-06	1.47E-06	4.07E-06	3.96E-07	2.24E-07	6.20E-07	1.79E-07	9.21E-08	2.71E-07
1813	569864.83	4215242.06	2.39E-06	1.36E-06	3.75E-06	3.65E-07	2.06E-07	5.72E-07	1.65E-07	8.49E-08	2.50E-07
1814	569865.14	4215251.73	2.2E-06	1.25E-06	3.45E-06	3.37E-07	1.90E-07	5.27E-07	1.52E-07	7.82E-08	2.30E-07
1815	569865.46	4215261.4	2.07E-06	1.17E-06	3.24E-06	3.16E-07	1.78E-07	4.94E-07	1.42E-07	7.33E-08	2.16E-07
1816	569865.77	4215271.07	1.96E-06	1.11E-06	3.07E-06	2.99E-07	1.69E-07	4.68E-07	1.35E-07	6.96E-08	2.05E-07
1817	569866.09	4215280.74	1.87E-06	1.06E-06	2.93E-06	2.86E-07	1.61E-07	4.47E-07	1.29E-07	6.64E-08	1.96E-07
1818	569866.4	4215290.41	1.82E-06	1.03E-06	2.85E-06	2.78E-07	1.57E-07	4.35E-07	1.26E-07	6.46E-08	1.90E-07
1819	569866.72	4215300.09	1.8E-06	1.02E-06	2.83E-06	2.75E-07	1.55E-07	4.31E-07	1.24E-07	6.40E-08	1.88E-07
1820	569867.03	4215309.76	1.79E-06	1.01E-06	2.80E-06	2.73E-07	1.54E-07	4.27E-07	1.23E-07	6.35E-08	1.87E-07
1821	569867.35	4215319.43	1.79E-06	1.01E-06	2.80E-06	2.73E-07	1.54E-07	4.27E-07	1.23E-07	6.34E-08	1.87E-07
1822	569867.66	4215329.1	1.82E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.34E-07	1.25E-07	6.44E-08	1.89E-07
1823	569867.98	4215338.77	1.86E-06	1.05E-06	2.92E-06	2.84E-07	1.60E-07	4.45E-07	1.28E-07	6.60E-08	1.94E-07
1824	569868.29	4215348.44	1.93E-06	1.09E-06	3.02E-06	2.94E-07	1.66E-07	4.60E-07	1.33E-07	6.83E-08	2.01E-07
1825	569868.61	4215358.11	2E-06	1.13E-06	3.13E-06	3.05E-07	1.72E-07	4.77E-07	1.38E-07	7.09E-08	2.09E-07
1826	569868.92	4215367.79	2.08E-06	1.18E-06	3.27E-06	3.18E-07	1.80E-07	4.98E-07	1.44E-07	7.39E-08	2.18E-07
1827	569853.89	4215213.37	2.9E-06	1.64E-06	4.55E-06	4.43E-07	2.50E-07	6.93E-07	2.00E-07	1.03E-07	3.03E-07
1828	569854.21	4215223.04	2.75E-06	1.56E-06	4.32E-06	4.21E-07	2.37E-07	6.58E-07	1.90E-07	9.77E-08	2.88E-07
1829	569854.52	4215232.71	2.56E-06	1.45E-06	4.02E-06	3.91E-07	2.21E-07	6.12E-07	1.77E-07	9.09E-08	2.68E-07
1830	569854.84	4215242.38	2.36E-06	1.34E-06	3.69E-06	3.60E-07	2.03E-07	5.63E-07	1.62E-07	8.36E-08	2.46E-07
1831	569855.15	4215252.05	2.16E-06	1.22E-06	3.39E-06	3.30E-07	1.86E-07	5.16E-07	1.49E-07	7.67E-08	2.26E-07
1832	569855.47	4215261.73	2.02E-06	1.14E-06	3.17E-06	3.09E-07	1.74E-07	4.83E-07	1.39E-07	7.17E-08	2.11E-07
1833	569855.78	4215271.4	1.92E-06	1.09E-06	3.00E-06	2.93E-07	1.65E-07	4.58E-07	1.32E-07	6.80E-08	2.00E-07
1834	569856.1	4215281.07	1.83E-06	1.04E-06	2.86E-06	2.79E-07	1.57E-07	4.37E-07	1.26E-07	6.48E-08	1.91E-07
1835	569856.41	4215290.74	1.77E-06	1.00E-06	2.77E-06	2.70E-07	1.53E-07	4.23E-07	1.22E-07	6.28E-08	1.85E-07
1836	569856.73	4215300.41	1.74E-06	9.85E-07	2.72E-06	2.66E-07	1.50E-07	4.15E-07	1.20E-07	6.17E-08	1.82E-07
1837	569857.04	4215310.08	1.71E-06	9.68E-07	2.68E-06	2.61E-07	1.47E-07	4.08E-07	1.18E-07	6.06E-08	1.78E-07
1838	569857.36	4215319.75	1.69E-06	9.60E-07	2.65E-06	2.59E-07	1.46E-07	4.05E-07	1.17E-07	6.01E-08	1.77E-07
1839	569857.67	4215329.43	1.7E-06	9.66E-07	2.67E-06	2.60E-07	1.47E-07	4.07E-07	1.17E-07	6.05E-08	1.78E-07
1840	569857.99	4215339.1	1.73E-06	9.78E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.13E-08	1.80E-07
1841	569858.3	4215348.77	1.76E-06	1.00E-06	2.76E-06	2.69E-07	1.52E-07	4.21E-07	1.22E-07	6.26E-08	1.84E-07
1842	569858.62	4215358.44	1.82E-06	1.03E-06	2.85E-06	2.77E-07	1.56E-07	4.34E-07	1.25E-07	6.44E-08	1.90E-07
1843	569858.93	4215368.11	1.87E-06	1.06E-06	2.94E-06	2.86E-07	1.62E-07	4.48E-07	1.29E-07	6.65E-08	1.96E-07
1844	569844.21	4215223.37	2.69E-06	1.52E-06	4.21E-06	4.11E-07	2.32E-07	6.43E-07	1.85E-07	9.54E-08	2.81E-07
1845	569844.53	4215233.04	2.53E-06	1.43E-06	3.96E-06	3.86E-07	2.18E-07	6.03E-07	1.74E-07	8.96E-08	2.64E-07
1846	569844.84	4215242.71	2.32E-06	1.32E-06	3.64E-06	3.54E-07	2.00E-07	5.54E-07	1.60E-07	8.23E-08	2.42E-07
1847	569845.16	4215252.38	2.12E-06	1.20E-06	3.32E-06	3.24E-07	1.83E-07	5.07E-07	1.46E-07	7.52E-08	2.21E-07
1848	569845.47	4215262.05	1.98E-06	1.12E-06	3.10E-06	3.02E-07	1.71E-07	4.73E-07	1.36E-07	7.02E-08	2.07E-07
1849	569845.79	4215271.72	1.87E-06	1.06E-06	2.94E-06	2.86E-07	1.62E-07	4.48E-07	1.29E-07	6.65E-08	1.96E-07
1850	569846.1	4215281.39	1.79E-06	1.01E-06	2.80E-06	2.73E-07	1.54E-07	4.27E-07	1.23E-07	6.33E-08	1.86E-07
1851	569846.42	4215291.07	1.72E-06	9.76E-07	2.70E-06	2.63E-07	1.48E-07	4.11E-07	1.19E-07	6.11E-08	1.80E-07
1852	569846.73	4215300.74	1.68E-06	9.49E-07	2.63E-06	2.56E-07	1.44E-07	4.00E-07	1.15E-07	5.94E-08	1.75E-07
1853	569847.05	4215310.41	1.63E-06	9.25E-07	2.56E-06	2.49E-07	1.41E-07	3.90E-07	1.13E-07	5.79E-08	1.70E-07
1854	569847.36	4215320.08	1.61E-06	9.10E-07	2.52E-06	2.45E-07	1.38E-07	3.84E-07	1.11E-07	5.70E-08	1.68E-07
1855	569847.68	4215329.75	1.6E-06	9.08E-07	2.51E-06	2.45E-07	1.38E-07	3.83E-07	1.10E-07	5.68E-08	1.67E-07
1856	569847.99	4215339.42	1.61E-06	9.10E-07	2.52E-06	2.45E-07	1.38E-07	3.84E-07	1.11E-07	5.70E-08	1.68E-07

1857	569848.31	4215349.09	1.62E-06	9.19E-07	2.54E-06	2.48E-07	1.40E-07	3.87E-07	1.12E-07	5.75E-08	1.69E-07
1858	569848.62	4215358.77	1.66E-06	9.38E-07	2.59E-06	2.53E-07	1.43E-07	3.96E-07	1.14E-07	5.88E-08	1.73E-07
1859	569848.94	4215368.44	1.69E-06	9.59E-07	2.65E-06	2.59E-07	1.46E-07	4.04E-07	1.17E-07	6.01E-08	1.77E-07
1860	569834.22	4215223.69	2.55E-06	1.44E-06	3.99E-06	3.89E-07	2.19E-07	6.08E-07	1.75E-07	9.03E-08	2.66E-07
1861	569834.53	4215233.36	2.4E-06	1.36E-06	3.77E-06	3.67E-07	2.07E-07	5.74E-07	1.66E-07	8.53E-08	2.51E-07
1862	569834.85	4215243.03	2.22E-06	1.26E-06	3.48E-06	3.39E-07	1.92E-07	5.31E-07	1.53E-07	7.89E-08	2.32E-07
1863	569835.16	4215252.71	2.04E-06	1.16E-06	3.20E-06	3.12E-07	1.76E-07	4.88E-07	1.41E-07	7.24E-08	2.13E-07
1864	569835.48	4215262.38	1.91E-06	1.08E-06	3.00E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.78E-08	2.00E-07
1865	569835.79	4215272.05	1.81E-06	1.03E-06	2.84E-06	2.77E-07	1.56E-07	4.33E-07	1.25E-07	6.43E-08	1.89E-07
1866	569836.11	4215281.72	1.73E-06	9.80E-07	2.71E-06	2.64E-07	1.49E-07	4.13E-07	1.19E-07	6.13E-08	1.81E-07
1867	569836.42	4215291.39	1.66E-06	9.43E-07	2.61E-06	2.54E-07	1.43E-07	3.97E-07	1.15E-07	5.90E-08	1.74E-07
1868	569836.74	4215301.06	1.61E-06	9.13E-07	2.52E-06	2.46E-07	1.39E-07	3.85E-07	1.11E-07	5.71E-08	1.68E-07
1869	569837.05	4215310.73	1.56E-06	8.85E-07	2.45E-06	2.38E-07	1.35E-07	3.73E-07	1.08E-07	5.54E-08	1.63E-07
1870	569837.37	4215320.41	1.53E-06	8.66E-07	2.40E-06	2.34E-07	1.32E-07	3.65E-07	1.05E-07	5.42E-08	1.60E-07
1871	569837.68	4215330.08	1.52E-06	8.60E-07	2.38E-06	2.32E-07	1.31E-07	3.63E-07	1.05E-07	5.38E-08	1.58E-07
1872	569838	4215339.75	1.51E-06	8.55E-07	2.37E-06	2.31E-07	1.30E-07	3.61E-07	1.04E-07	5.36E-08	1.58E-07
1873	569838.31	4215349.42	1.51E-06	8.56E-07	2.37E-06	2.31E-07	1.30E-07	3.61E-07	1.04E-07	5.36E-08	1.58E-07
1874	569838.63	4215359.09	1.53E-06	8.67E-07	2.40E-06	2.34E-07	1.32E-07	3.65E-07	1.05E-07	5.43E-08	1.60E-07
1875	569838.94	4215368.76	1.55E-06	8.76E-07	2.42E-06	2.36E-07	1.33E-07	3.69E-07	1.07E-07	5.49E-08	1.61E-07
1876	569824.54	4215233.69	2.29E-06	1.29E-06	3.58E-06	3.49E-07	1.97E-07	5.46E-07	1.58E-07	8.11E-08	2.39E-07
1877	569824.85	4215243.36	2.12E-06	1.20E-06	3.33E-06	3.24E-07	1.83E-07	5.07E-07	1.46E-07	7.53E-08	2.22E-07
1878	569825.17	4215253.03	1.96E-06	1.11E-06	3.07E-06	2.99E-07	1.69E-07	4.68E-07	1.35E-07	6.96E-08	2.05E-07
1879	569825.48	4215262.7	1.84E-06	1.04E-06	2.89E-06	2.81E-07	1.59E-07	4.40E-07	1.27E-07	6.54E-08	1.92E-07
1880	569825.8	4215272.37	1.75E-06	9.92E-07	2.74E-06	2.67E-07	1.51E-07	4.18E-07	1.21E-07	6.21E-08	1.83E-07
1881	569826.11	4215282.04	1.67E-06	9.46E-07	2.62E-06	2.55E-07	1.44E-07	3.99E-07	1.15E-07	5.92E-08	1.74E-07
1882	569826.43	4215291.72	1.6E-06	9.09E-07	2.51E-06	2.45E-07	1.38E-07	3.83E-07	1.11E-07	5.69E-08	1.67E-07
1883	569826.74	4215301.39	1.55E-06	8.77E-07	2.42E-06	2.36E-07	1.33E-07	3.70E-07	1.07E-07	5.49E-08	1.62E-07
1884	569827.06	4215311.06	1.49E-06	8.47E-07	2.34E-06	2.28E-07	1.29E-07	3.57E-07	1.03E-07	5.30E-08	1.56E-07
1885	569827.37	4215320.73	1.46E-06	8.27E-07	2.29E-06	2.23E-07	1.26E-07	3.49E-07	1.01E-07	5.18E-08	1.52E-07
1886	569827.69	4215330.4	1.45E-06	8.19E-07	2.26E-06	2.21E-07	1.25E-07	3.45E-07	9.96E-08	5.13E-08	1.51E-07
1887	569828	4215340.07	1.43E-06	8.11E-07	2.24E-06	2.18E-07	1.23E-07	3.42E-07	9.86E-08	5.08E-08	1.49E-07
1888	569828.32	4215349.74	1.42E-06	8.06E-07	2.23E-06	2.17E-07	1.23E-07	3.40E-07	9.81E-08	5.05E-08	1.49E-07
1889	569828.63	4215359.42	1.43E-06	8.09E-07	2.24E-06	2.18E-07	1.23E-07	3.41E-07	9.84E-08	5.06E-08	1.49E-07
1890	569828.95	4215369.09	1.43E-06	8.09E-07	2.24E-06	2.18E-07	1.23E-07	3.41E-07	9.84E-08	5.07E-08	1.49E-07
1891	569814.86	4215243.68	2.03E-06	1.15E-06	3.18E-06	3.10E-07	1.75E-07	4.85E-07	1.40E-07	7.21E-08	2.12E-07
1892	569815.17	4215253.36	1.89E-06	1.07E-06	2.95E-06	2.88E-07	1.62E-07	4.50E-07	1.30E-07	6.69E-08	1.97E-07
1893	569815.49	4215263.03	1.78E-06	1.01E-06	2.78E-06	2.71E-07	1.53E-07	4.25E-07	1.22E-07	6.30E-08	1.86E-07
1894	569815.8	4215272.7	1.69E-06	9.57E-07	2.65E-06	2.58E-07	1.46E-07	4.04E-07	1.16E-07	5.99E-08	1.76E-07
1895	569816.12	4215282.37	1.61E-06	9.13E-07	2.53E-06	2.46E-07	1.39E-07	3.85E-07	1.11E-07	5.72E-08	1.68E-07
1896	569816.43	4215292.04	1.55E-06	8.76E-07	2.42E-06	2.36E-07	1.33E-07	3.69E-07	1.07E-07	5.48E-08	1.61E-07
1897	569816.75	4215301.71	1.49E-06	8.42E-07	2.33E-06	2.27E-07	1.28E-07	3.55E-07	1.02E-07	5.27E-08	1.55E-07
1898	569817.06	4215311.38	1.43E-06	8.11E-07	2.24E-06	2.19E-07	1.23E-07	3.42E-07	9.86E-08	5.08E-08	1.49E-07
1899	569817.38	4215321.06	1.4E-06	7.91E-07	2.19E-06	2.13E-07	1.20E-07	3.33E-07	9.62E-08	4.95E-08	1.46E-07
1900	569817.69	4215330.73	1.38E-06	7.80E-07	2.16E-06	2.10E-07	1.19E-07	3.29E-07	9.48E-08	4.88E-08	1.44E-07
1901	569818.01	4215340.4	1.36E-06	7.69E-07	2.13E-06	2.07E-07	1.17E-07	3.24E-07	9.35E-08	4.81E-08	1.42E-07
1902	569818.32	4215350.07	1.34E-06	7.61E-07	2.10E-06	2.05E-07	1.16E-07	3.21E-07	9.25E-08	4.76E-08	1.40E-07
1903	569818.64	4215359.74	1.34E-06	7.57E-07	2.09E-06	2.04E-07	1.15E-07	3.19E-07	9.21E-08	4.74E-08	1.39E-07
1904	569818.95	4215369.41	1.32E-06	7.50E-07	2.08E-06	2.02E-07	1.14E-07	3.16E-07	9.13E-08	4.70E-08	1.38E-07
1905	569804.86	4215244.01	1.91E-06	1.08E-06	3.00E-06	2.92E-07	1.65E-07	4.57E-07	1.32E-07	6.79E-08	2.00E-07
1906	569805.18	4215253.68	1.78E-06	1.01E-06	2.78E-06	2.71E-07	1.53E-07	4.24E-07	1.22E-07	6.30E-08	1.85E-07
1907	569805.49	4215263.35	1.68E-06	9.50E-07	2.63E-06	2.56E-07	1.45E-07	4.01E-07	1.16E-07	5.95E-08	1.75E-07
1908	569805.81	4215273.02	1.6E-06	9.05E-07	2.50E-06	2.44E-07	1.38E-07	3.82E-07	1.10E-07	5.67E-08	1.67E-07
1909	569806.12	4215282.7	1.53E-06	8.65E-07	2.39E-06	2.33E-07	1.32E-07	3.65E-07	1.05E-07	5.42E-08	1.59E-07
1910	569806.44	4215292.37	1.47E-06	8.32E-07	2.30E-06	2.24E-07	1.26E-07	3.51E-07	1.01E-07	5.21E-08	1.53E-07
1911	569806.75	4215302.04	1.41E-06	8.01E-07	2.22E-06	2.16E-07	1.22E-07	3.38E-07	9.75E-08	5.02E-08	1.48E-07
1912	569807.07	4215311.71	1.36E-06	7.72E-07	2.14E-06	2.08E-07	1.17E-07	3.26E-07	9.40E-08	4.84E-08	1.42E-07
1913	569807.38	4215321.38	1.33E-06	7.54E-07	2.08E-06	2.03E-07	1.15E-07	3.18E-07	9.17E-08	4.72E-08	1.39E-07
1914	569807.7	4215331.05	1.31E-06	7.42E-07	2.05E-06	2.00E-07	1.13E-07	3.13E-07	9.02E-08	4.64E-08	1.37E-07
1915	569808.01	4215340.72	1.29E-06	7.29E-07	2.02E-06	1.97E-07	1.11E-07	3.08E-07	8.87E-08	4.57E-08	1.34E-07
1916	569808.33	4215350.4	1.27E-06	7.19E-07	1.99E-06	1.94E-07	1.09E-07	3.03E-07	8.75E-08	4.50E-08	1.33E-07
1917	569808.64	4215360.07	1.26E-06	7.12E-07	1.97E-06	1.92E-07	1.08E-07	3.00E-07	8.66E-08	4.46E-08	1.31E-07
1918	569808.96	4215369.74	1.24E-06	7.02E-07	1.94E-06	1.89E-07	1.07E-07	2.96E-07	8.54E-08	4.40E-08	1.29E-07

1919	569795.18	4215254.01	1.67E-06	9.46E-07	2.61E-06	2.55E-07	1.44E-07	3.99E-07	1.15E-07	5.92E-08	1.74E-07
1920	569795.5	4215263.68	1.58E-06	8.94E-07	2.47E-06	2.41E-07	1.36E-07	3.77E-07	1.09E-07	5.60E-08	1.65E-07
1921	569795.81	4215273.35	1.5E-06	8.52E-07	2.36E-06	2.30E-07	1.30E-07	3.59E-07	1.04E-07	5.34E-08	1.57E-07
1922	569796.13	4215283.02	1.44E-06	8.16E-07	2.26E-06	2.20E-07	1.24E-07	3.44E-07	9.93E-08	5.11E-08	1.50E-07
1923	569796.44	4215292.69	1.39E-06	7.86E-07	2.17E-06	2.12E-07	1.20E-07	3.32E-07	9.57E-08	4.92E-08	1.45E-07
1924	569796.76	4215302.36	1.34E-06	7.60E-07	2.10E-06	2.05E-07	1.16E-07	3.21E-07	9.25E-08	4.76E-08	1.40E-07
1925	569797.07	4215312.04	1.3E-06	7.35E-07	2.03E-06	1.98E-07	1.12E-07	3.10E-07	8.94E-08	4.60E-08	1.35E-07
1926	569797.39	4215321.71	1.27E-06	7.18E-07	1.98E-06	1.93E-07	1.09E-07	3.03E-07	8.73E-08	4.49E-08	1.32E-07
1927	569797.7	4215331.38	1.25E-06	7.06E-07	1.95E-06	1.90E-07	1.07E-07	2.98E-07	8.58E-08	4.42E-08	1.30E-07
1928	569798.02	4215341.05	1.22E-06	6.93E-07	1.92E-06	1.87E-07	1.05E-07	2.92E-07	8.43E-08	4.34E-08	1.28E-07
1929	569798.33	4215350.72	1.2E-06	6.82E-07	1.89E-06	1.84E-07	1.04E-07	2.87E-07	8.29E-08	4.27E-08	1.26E-07
1930	569798.65	4215360.39	1.19E-06	6.74E-07	1.86E-06	1.82E-07	1.02E-07	2.84E-07	8.19E-08	4.22E-08	1.24E-07
1931	569785.19	4215254.33	1.57E-06	8.90E-07	2.46E-06	2.40E-07	1.35E-07	3.75E-07	1.08E-07	5.58E-08	1.64E-07
1932	569785.5	4215264	1.49E-06	8.43E-07	2.33E-06	2.27E-07	1.28E-07	3.55E-07	1.03E-07	5.28E-08	1.55E-07
1933	569785.82	4215273.68	1.42E-06	8.05E-07	2.22E-06	2.17E-07	1.22E-07	3.39E-07	9.79E-08	5.04E-08	1.48E-07
1934	569786.13	4215283.35	1.36E-06	7.71E-07	2.13E-06	2.08E-07	1.17E-07	3.25E-07	9.38E-08	4.83E-08	1.42E-07
1935	569786.45	4215293.02	1.32E-06	7.45E-07	2.06E-06	2.01E-07	1.13E-07	3.14E-07	9.06E-08	4.67E-08	1.37E-07
1936	569786.76	4215302.69	1.28E-06	7.22E-07	2.00E-06	1.95E-07	1.10E-07	3.05E-07	8.79E-08	4.52E-08	1.33E-07
1937	569787.08	4215312.36	1.24E-06	7.00E-07	1.94E-06	1.89E-07	1.06E-07	2.95E-07	8.51E-08	4.38E-08	1.29E-07
1938	569787.39	4215322.03	1.21E-06	6.84E-07	1.89E-06	1.84E-07	1.04E-07	2.89E-07	8.32E-08	4.28E-08	1.26E-07
1939	569787.71	4215331.7	1.19E-06	6.72E-07	1.86E-06	1.81E-07	1.02E-07	2.83E-07	8.17E-08	4.21E-08	1.24E-07
1940	569788.02	4215341.38	1.16E-06	6.58E-07	1.82E-06	1.77E-07	1.00E-07	2.78E-07	8.01E-08	4.12E-08	1.21E-07
1941	569788.34	4215351.05	1.14E-06	6.47E-07	1.79E-06	1.74E-07	9.85E-08	2.73E-07	7.87E-08	4.05E-08	1.19E-07
1942	569788.65	4215360.72	1.13E-06	6.39E-07	1.77E-06	1.72E-07	9.71E-08	2.69E-07	7.77E-08	4.00E-08	1.18E-07
1943	569775.51	4215264.33	1.41E-06	8.01E-07	2.21E-06	2.16E-07	1.22E-07	3.38E-07	9.74E-08	5.01E-08	1.48E-07
1944	569775.82	4215274	1.35E-06	7.64E-07	2.11E-06	2.06E-07	1.16E-07	3.22E-07	9.30E-08	4.78E-08	1.41E-07
1945	569776.14	4215283.67	1.29E-06	7.32E-07	2.02E-06	1.97E-07	1.11E-07	3.09E-07	8.91E-08	4.58E-08	1.35E-07
1946	569776.45	4215293.34	1.25E-06	7.08E-07	1.96E-06	1.91E-07	1.08E-07	2.98E-07	8.61E-08	4.43E-08	1.30E-07
1947	569776.77	4215303.02	1.21E-06	6.86E-07	1.90E-06	1.85E-07	1.04E-07	2.89E-07	8.34E-08	4.30E-08	1.26E-07
1948	569777.08	4215312.69	1.17E-06	6.65E-07	1.84E-06	1.79E-07	1.01E-07	2.80E-07	8.08E-08	4.16E-08	1.22E-07
1949	569777.4	4215322.36	1.15E-06	6.50E-07	1.80E-06	1.75E-07	9.88E-08	2.74E-07	7.91E-08	4.07E-08	1.20E-07
1950	569777.71	4215332.03	1.13E-06	6.38E-07	1.76E-06	1.72E-07	9.70E-08	2.69E-07	7.76E-08	3.99E-08	1.17E-07
1951	569778.03	4215341.7	1.1E-06	6.24E-07	1.73E-06	1.68E-07	9.49E-08	2.63E-07	7.59E-08	3.91E-08	1.15E-07
1952	569778.34	4215351.37	1.08E-06	6.13E-07	1.69E-06	1.65E-07	9.32E-08	2.58E-07	7.46E-08	3.84E-08	1.13E-07
1953	569778.66	4215361.04	1.07E-06	6.05E-07	1.67E-06	1.63E-07	9.19E-08	2.55E-07	7.35E-08	3.79E-08	1.11E-07
1954	569765.51	4215264.66	1.35E-06	7.62E-07	2.11E-06	2.05E-07	1.16E-07	3.21E-07	9.27E-08	4.77E-08	1.40E-07
1955	569765.83	4215274.33	1.28E-06	7.27E-07	2.01E-06	1.96E-07	1.11E-07	3.07E-07	8.85E-08	4.55E-08	1.34E-07
1956	569766.14	4215284	1.23E-06	6.97E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.48E-08	4.36E-08	1.28E-07
1957	569766.46	4215293.67	1.19E-06	6.73E-07	1.86E-06	1.81E-07	1.02E-07	2.84E-07	8.19E-08	4.22E-08	1.24E-07
1958	569766.77	4215303.34	1.15E-06	6.52E-07	1.80E-06	1.76E-07	9.91E-08	2.75E-07	7.93E-08	4.08E-08	1.20E-07
1959	569767.09	4215313.01	1.11E-06	6.31E-07	1.74E-06	1.70E-07	9.60E-08	2.66E-07	7.67E-08	3.95E-08	1.16E-07
1960	569767.4	4215322.68	1.09E-06	6.17E-07	1.71E-06	1.66E-07	9.38E-08	2.60E-07	7.50E-08	3.86E-08	1.14E-07
1961	569767.72	4215332.36	1.07E-06	6.04E-07	1.67E-06	1.63E-07	9.19E-08	2.55E-07	7.35E-08	3.78E-08	1.11E-07
1962	569768.03	4215342.03	1.04E-06	5.91E-07	1.63E-06	1.59E-07	8.98E-08	2.49E-07	7.18E-08	3.70E-08	1.09E-07
1963	569768.35	4215351.7	1.02E-06	5.80E-07	1.60E-06	1.56E-07	8.82E-08	2.45E-07	7.05E-08	3.63E-08	1.07E-07
1964	569768.66	4215361.37	1.01E-06	5.72E-07	1.58E-06	1.54E-07	8.70E-08	2.41E-07	6.95E-08	3.58E-08	1.05E-07
1965	569755.83	4215274.65	1.22E-06	6.93E-07	1.92E-06	1.87E-07	1.05E-07	2.92E-07	8.43E-08	4.34E-08	1.28E-07
1966	569756.15	4215284.32	1.17E-06	6.65E-07	1.84E-06	1.79E-07	1.01E-07	2.80E-07	8.08E-08	4.16E-08	1.22E-07
1967	569756.46	4215293.99	1.13E-06	6.41E-07	1.77E-06	1.73E-07	9.75E-08	2.70E-07	7.80E-08	4.02E-08	1.18E-07
1968	569756.78	4215303.67	1.09E-06	6.20E-07	1.71E-06	1.67E-07	9.43E-08	2.61E-07	7.54E-08	3.88E-08	1.14E-07
1969	569757.09	4215313.34	1.06E-06	6.00E-07	1.66E-06	1.62E-07	9.13E-08	2.53E-07	7.30E-08	3.76E-08	1.11E-07
1970	569757.41	4215323.01	1.04E-06	5.87E-07	1.62E-06	1.58E-07	8.93E-08	2.47E-07	7.14E-08	3.67E-08	1.08E-07
1971	569757.72	4215332.68	1.01E-06	5.74E-07	1.59E-06	1.55E-07	8.74E-08	2.42E-07	6.99E-08	3.60E-08	1.06E-07
1972	569758.04	4215342.35	9.9E-07	5.61E-07	1.55E-06	1.51E-07	8.53E-08	2.36E-07	6.82E-08	3.51E-08	1.03E-07
1973	569758.35	4215352.02	9.71E-07	5.50E-07	1.52E-06	1.48E-07	8.37E-08	2.32E-07	6.69E-08	3.45E-08	1.01E-07
1974	569758.67	4215361.69	9.57E-07	5.42E-07	1.50E-06	1.46E-07	8.25E-08	2.29E-07	6.60E-08	3.40E-08	9.99E-08
1975	569745.84	4215274.98	1.17E-06	6.61E-07	1.83E-06	1.78E-07	1.01E-07	2.79E-07	8.04E-08	4.14E-08	1.22E-07
1976	569746.15	4215284.65	1.12E-06	6.34E-07	1.75E-06	1.71E-07	9.64E-08	2.67E-07	7.71E-08	3.97E-08	1.17E-07
1977	569746.47	4215294.32	1.08E-06	6.13E-07	1.69E-06	1.65E-07	9.32E-08	2.58E-07	7.46E-08	3.84E-08	1.13E-07
1978	569746.78	4215303.99	1.05E-06	5.93E-07	1.64E-06	1.60E-07	9.02E-08	2.50E-07	7.22E-08	3.71E-08	1.09E-07
1979	569747.1	4215313.66	1.01E-06	5.75E-07	1.59E-06	1.55E-07	8.74E-08	2.42E-07	6.99E-08	3.60E-08	1.06E-07
1980	569747.41	4215323.33	9.92E-07	5.62E-07	1.55E-06	1.51E-07	8.54E-08	2.37E-07	6.83E-08	3.52E-08	1.04E-07

1981	569747.73	4215333.01	9.7E-07	5.49E-07	1.52E-06	1.48E-07	8.36E-08	2.32E-07	6.68E-08	3.44E-08	1.01E-07
1982	569748.04	4215342.68	9.46E-07	5.36E-07	1.48E-06	1.44E-07	8.15E-08	2.26E-07	6.52E-08	3.35E-08	9.87E-08
1983	569748.36	4215352.35	9.27E-07	5.25E-07	1.45E-06	1.42E-07	7.99E-08	2.21E-07	6.39E-08	3.29E-08	9.67E-08
1984	569735.21	4215255.96	1.23E-06	6.96E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.47E-08	4.36E-08	1.28E-07
1985	569735.53	4215265.63	1.17E-06	6.61E-07	1.83E-06	1.78E-07	1.01E-07	2.79E-07	8.04E-08	4.14E-08	1.22E-07
1986	569735.84	4215275.3	1.11E-06	6.31E-07	1.75E-06	1.70E-07	9.60E-08	2.66E-07	7.68E-08	3.95E-08	1.16E-07
1987	569736.16	4215284.97	1.07E-06	6.05E-07	1.67E-06	1.63E-07	9.21E-08	2.55E-07	7.37E-08	3.79E-08	1.12E-07
1988	569736.47	4215294.65	1.04E-06	5.87E-07	1.62E-06	1.58E-07	8.92E-08	2.47E-07	7.14E-08	3.67E-08	1.08E-07
1989	569736.79	4215304.32	1E-06	5.69E-07	1.57E-06	1.53E-07	8.66E-08	2.40E-07	6.92E-08	3.56E-08	1.05E-07
1990	569737.1	4215313.99	9.75E-07	5.52E-07	1.53E-06	1.49E-07	8.40E-08	2.33E-07	6.72E-08	3.46E-08	1.02E-07
1991	569737.42	4215323.66	9.53E-07	5.40E-07	1.49E-06	1.45E-07	8.21E-08	2.28E-07	6.56E-08	3.38E-08	9.94E-08
1992	569737.73	4215333.33	9.31E-07	5.27E-07	1.46E-06	1.42E-07	8.02E-08	2.22E-07	6.41E-08	3.30E-08	9.71E-08
1993	569738.05	4215343	9.06E-07	5.13E-07	1.42E-06	1.38E-07	7.81E-08	2.16E-07	6.24E-08	3.21E-08	9.46E-08
1994	569738.36	4215352.67	8.88E-07	5.03E-07	1.39E-06	1.36E-07	7.65E-08	2.12E-07	6.12E-08	3.15E-08	9.27E-08
1995	569724.59	4215236.94	1.33E-06	7.53E-07	2.08E-06	2.03E-07	1.15E-07	3.18E-07	9.16E-08	4.72E-08	1.39E-07
1996	569724.9	4215246.61	1.25E-06	7.06E-07	1.95E-06	1.90E-07	1.07E-07	2.98E-07	8.59E-08	4.42E-08	1.30E-07
1997	569725.22	4215256.29	1.17E-06	6.65E-07	1.84E-06	1.79E-07	1.01E-07	2.81E-07	8.09E-08	4.17E-08	1.23E-07
1998	569725.53	4215265.96	1.11E-06	6.31E-07	1.75E-06	1.70E-07	9.60E-08	2.66E-07	7.68E-08	3.95E-08	1.16E-07
1999	569725.85	4215275.63	1.06E-06	6.03E-07	1.67E-06	1.63E-07	9.17E-08	2.54E-07	7.33E-08	3.78E-08	1.11E-07
2000	569726.16	4215285.3	1.02E-06	5.79E-07	1.60E-06	1.56E-07	8.80E-08	2.44E-07	7.04E-08	3.62E-08	1.07E-07
2001	569726.48	4215294.97	9.92E-07	5.62E-07	1.55E-06	1.52E-07	8.55E-08	2.37E-07	6.84E-08	3.52E-08	1.04E-07
2002	569726.79	4215304.64	9.64E-07	5.46E-07	1.51E-06	1.47E-07	8.31E-08	2.30E-07	6.65E-08	3.42E-08	1.01E-07
2003	569727.11	4215314.31	9.37E-07	5.31E-07	1.47E-06	1.43E-07	8.07E-08	2.24E-07	6.46E-08	3.32E-08	9.78E-08
2004	569727.42	4215323.99	9.15E-07	5.19E-07	1.43E-06	1.40E-07	7.89E-08	2.19E-07	6.31E-08	3.25E-08	9.56E-08
2005	569727.74	4215333.66	8.93E-07	5.06E-07	1.40E-06	1.36E-07	7.70E-08	2.13E-07	6.16E-08	3.17E-08	9.33E-08
2006	569728.05	4215343.33	8.69E-07	4.92E-07	1.36E-06	1.33E-07	7.49E-08	2.08E-07	5.99E-08	3.08E-08	9.07E-08
2007	569728.37	4215353	8.52E-07	4.82E-07	1.33E-06	1.30E-07	7.34E-08	2.03E-07	5.87E-08	3.02E-08	8.89E-08
2008	569728.68	4215362.67	8.38E-07	4.75E-07	1.31E-06	1.28E-07	7.22E-08	2.00E-07	5.78E-08	2.97E-08	8.75E-08
2009	569713.96	4215217.93	1.39E-06	7.89E-07	2.18E-06	2.13E-07	1.20E-07	3.33E-07	9.60E-08	4.94E-08	1.45E-07
2010	569714.28	4215227.6	1.37E-06	7.78E-07	2.15E-06	2.10E-07	1.18E-07	3.28E-07	9.47E-08	4.87E-08	1.43E-07
2011	569714.59	4215237.27	1.29E-06	7.30E-07	2.02E-06	1.97E-07	1.11E-07	3.08E-07	8.88E-08	4.57E-08	1.34E-07
2012	569714.91	4215246.94	1.21E-06	6.85E-07	1.89E-06	1.85E-07	1.04E-07	2.89E-07	8.34E-08	4.29E-08	1.26E-07
2013	569715.22	4215256.61	1.14E-06	6.47E-07	1.79E-06	1.74E-07	9.83E-08	2.73E-07	7.86E-08	4.05E-08	1.19E-07
2014	569715.54	4215266.28	1.08E-06	6.13E-07	1.69E-06	1.65E-07	9.32E-08	2.58E-07	7.45E-08	3.84E-08	1.13E-07
2015	569715.85	4215275.95	1.03E-06	5.84E-07	1.62E-06	1.57E-07	8.89E-08	2.46E-07	7.11E-08	3.66E-08	1.08E-07
2016	569716.17	4215285.63	9.88E-07	5.60E-07	1.55E-06	1.51E-07	8.52E-08	2.36E-07	6.81E-08	3.51E-08	1.03E-07
2017	569716.48	4215295.3	9.59E-07	5.43E-07	1.50E-06	1.46E-07	8.26E-08	2.29E-07	6.61E-08	3.40E-08	1.00E-07
2018	569716.8	4215304.97	9.31E-07	5.28E-07	1.46E-06	1.42E-07	8.02E-08	2.22E-07	6.42E-08	3.30E-08	9.72E-08
2019	569717.11	4215314.64	9.04E-07	5.12E-07	1.42E-06	1.38E-07	7.79E-08	2.16E-07	6.23E-08	3.21E-08	9.44E-08
2020	569717.43	4215324.31	8.82E-07	5.00E-07	1.38E-06	1.35E-07	7.60E-08	2.11E-07	6.08E-08	3.13E-08	9.21E-08
2021	569717.74	4215333.98	8.6E-07	4.87E-07	1.35E-06	1.31E-07	7.41E-08	2.05E-07	5.93E-08	3.05E-08	8.98E-08
2022	569718.06	4215343.65	8.35E-07	4.73E-07	1.31E-06	1.28E-07	7.20E-08	2.00E-07	5.76E-08	2.96E-08	8.72E-08
2023	569718.37	4215353.33	8.18E-07	4.64E-07	1.28E-06	1.25E-07	7.05E-08	1.95E-07	5.64E-08	2.90E-08	8.54E-08
2024	569718.69	4215363	8.05E-07	4.56E-07	1.26E-06	1.23E-07	6.94E-08	1.92E-07	5.55E-08	2.86E-08	8.40E-08
2025	569719	4215372.67	7.92E-07	4.49E-07	1.24E-06	1.21E-07	6.82E-08	1.89E-07	5.46E-08	2.81E-08	8.27E-08
2026	569719.32	4215382.34	7.87E-07	4.46E-07	1.23E-06	1.20E-07	6.78E-08	1.88E-07	5.42E-08	2.79E-08	8.21E-08
2027	569709.13	4215384.84	7.53E-07	4.26E-07	1.18E-06	1.15E-07	6.49E-08	1.80E-07	5.19E-08	2.67E-08	7.86E-08
2028	569699.1	4215385.23	7.22E-07	4.09E-07	1.13E-06	1.10E-07	6.22E-08	1.72E-07	4.97E-08	2.56E-08	7.54E-08
2029	569702.37	4215376.72	7.35E-07	4.16E-07	1.15E-06	1.12E-07	6.33E-08	1.75E-07	5.06E-08	2.61E-08	7.67E-08
2030	569705.64	4215368.2	7.57E-07	4.29E-07	1.19E-06	1.16E-07	6.52E-08	1.81E-07	5.22E-08	2.68E-08	7.90E-08
2031	569708.92	4215359.69	7.8E-07	4.42E-07	1.22E-06	1.19E-07	6.72E-08	1.86E-07	5.37E-08	2.77E-08	8.14E-08
2032	569689.27	4215385.11	6.95E-07	3.94E-07	1.09E-06	1.06E-07	5.99E-08	1.66E-07	4.79E-08	2.47E-08	7.25E-08
2033	569692.7	4215376.18	7.08E-07	4.01E-07	1.11E-06	1.08E-07	6.10E-08	1.69E-07	4.88E-08	2.51E-08	7.39E-08
2034	569696.14	4215367.24	7.31E-07	4.14E-07	1.15E-06	1.12E-07	6.30E-08	1.75E-07	5.04E-08	2.59E-08	7.63E-08
2035	569699.58	4215358.3	7.55E-07	4.28E-07	1.18E-06	1.15E-07	6.51E-08	1.80E-07	5.20E-08	2.68E-08	7.88E-08
2036	569703.01	4215349.36	7.79E-07	4.41E-07	1.22E-06	1.19E-07	6.71E-08	1.86E-07	5.37E-08	2.76E-08	8.13E-08
2037	569706.45	4215340.42	8.09E-07	4.59E-07	1.27E-06	1.24E-07	6.97E-08	1.93E-07	5.58E-08	2.87E-08	8.45E-08
2038	569679.24	4215385.52	6.7E-07	3.80E-07	1.05E-06	1.02E-07	5.77E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
2039	569682.64	4215376.68	6.85E-07	3.88E-07	1.07E-06	1.05E-07	5.91E-08	1.64E-07	4.72E-08	2.43E-08	7.15E-08
2040	569686.04	4215367.83	7.07E-07	4.01E-07	1.11E-06	1.08E-07	6.09E-08	1.69E-07	4.87E-08	2.51E-08	7.38E-08
2041	569689.44	4215358.99	7.29E-07	4.13E-07	1.14E-06	1.11E-07	6.28E-08	1.74E-07	5.02E-08	2.59E-08	7.61E-08
2042	569692.84	4215350.14	7.5E-07	4.25E-07	1.17E-06	1.15E-07	6.46E-08	1.79E-07	5.17E-08	2.66E-08	7.83E-08

2043	569696.24	4215341.3	7.78E-07	4.41E-07	1.22E-06	1.19E-07	6.70E-08	1.86E-07	5.36E-08	2.76E-08	8.12E-08
2044	569699.64	4215332.45	8.11E-07	4.59E-07	1.27E-06	1.24E-07	6.98E-08	1.94E-07	5.59E-08	2.88E-08	8.46E-08
2045	569703.04	4215323.61	8.42E-07	4.77E-07	1.32E-06	1.29E-07	7.26E-08	2.01E-07	5.80E-08	2.99E-08	8.79E-08
2046	569706.44	4215314.76	8.73E-07	4.95E-07	1.37E-06	1.33E-07	7.52E-08	2.09E-07	6.02E-08	3.10E-08	9.11E-08
2047	569669.21	4215385.91	6.47E-07	3.66E-07	1.01E-06	9.87E-08	5.57E-08	1.54E-07	4.46E-08	2.29E-08	6.75E-08
2048	569672.58	4215377.15	6.64E-07	3.76E-07	1.04E-06	1.01E-07	5.72E-08	1.59E-07	4.57E-08	2.35E-08	6.93E-08
2049	569675.94	4215368.4	6.85E-07	3.88E-07	1.07E-06	1.05E-07	5.91E-08	1.64E-07	4.72E-08	2.43E-08	7.15E-08
2050	569679.31	4215359.64	7.07E-07	4.01E-07	1.11E-06	1.08E-07	6.09E-08	1.69E-07	4.87E-08	2.51E-08	7.38E-08
2051	569682.68	4215350.88	7.28E-07	4.13E-07	1.14E-06	1.11E-07	6.28E-08	1.74E-07	5.02E-08	2.58E-08	7.60E-08
2052	569686.05	4215342.12	7.53E-07	4.27E-07	1.18E-06	1.15E-07	6.49E-08	1.80E-07	5.19E-08	2.67E-08	7.86E-08
2053	569689.41	4215333.36	7.82E-07	4.43E-07	1.23E-06	1.19E-07	6.74E-08	1.87E-07	5.39E-08	2.78E-08	8.17E-08
2054	569692.78	4215324.6	8.12E-07	4.60E-07	1.27E-06	1.24E-07	6.99E-08	1.94E-07	5.59E-08	2.88E-08	8.47E-08
2055	569696.15	4215315.84	8.41E-07	4.77E-07	1.32E-06	1.28E-07	7.25E-08	2.01E-07	5.80E-08	2.98E-08	8.78E-08
2056	569699.52	4215307.08	8.77E-07	4.97E-07	1.37E-06	1.34E-07	7.55E-08	2.09E-07	6.04E-08	3.11E-08	9.15E-08
2057	569702.88	4215298.32	9.12E-07	5.17E-07	1.43E-06	1.39E-07	7.86E-08	2.18E-07	6.29E-08	3.24E-08	9.52E-08
2058	569706.25	4215289.56	9.49E-07	5.37E-07	1.49E-06	1.45E-07	8.18E-08	2.27E-07	6.54E-08	3.37E-08	9.90E-08
2059	569659.18	4215386.3	6.23E-07	3.53E-07	9.76E-07	9.51E-08	5.37E-08	1.49E-07	4.29E-08	2.21E-08	6.50E-08
2060	569662.52	4215377.62	6.42E-07	3.64E-07	1.01E-06	9.81E-08	5.53E-08	1.53E-07	4.43E-08	2.28E-08	6.70E-08
2061	569665.86	4215368.93	6.65E-07	3.77E-07	1.04E-06	1.02E-07	5.73E-08	1.59E-07	4.58E-08	2.36E-08	6.94E-08
2062	569669.2	4215360.25	6.87E-07	3.89E-07	1.08E-06	1.05E-07	5.92E-08	1.64E-07	4.73E-08	2.44E-08	7.17E-08
2063	569672.54	4215351.57	7.08E-07	4.01E-07	1.11E-06	1.08E-07	6.10E-08	1.69E-07	4.88E-08	2.51E-08	7.39E-08
2064	569675.87	4215342.88	7.31E-07	4.14E-07	1.15E-06	1.12E-07	6.30E-08	1.75E-07	5.04E-08	2.59E-08	7.63E-08
2065	569679.21	4215334.2	7.59E-07	4.30E-07	1.19E-06	1.16E-07	6.54E-08	1.81E-07	5.23E-08	2.69E-08	7.92E-08
2066	569682.55	4215325.52	7.86E-07	4.46E-07	1.23E-06	1.20E-07	6.78E-08	1.88E-07	5.42E-08	2.79E-08	8.21E-08
2067	569685.89	4215316.83	8.14E-07	4.61E-07	1.27E-06	1.24E-07	7.01E-08	1.94E-07	5.61E-08	2.89E-08	8.49E-08
2068	569689.23	4215308.15	8.48E-07	4.80E-07	1.33E-06	1.29E-07	7.30E-08	2.02E-07	5.84E-08	3.01E-08	8.85E-08
2069	569692.57	4215299.46	8.82E-07	5.00E-07	1.38E-06	1.35E-07	7.60E-08	2.11E-07	6.08E-08	3.13E-08	9.21E-08
2070	569695.9	4215290.78	9.18E-07	5.20E-07	1.44E-06	1.40E-07	7.91E-08	2.19E-07	6.33E-08	3.26E-08	9.58E-08
2071	569699.24	4215282.1	9.59E-07	5.43E-07	1.50E-06	1.46E-07	8.27E-08	2.29E-07	6.61E-08	3.40E-08	1.00E-07
2072	569702.58	4215273.41	1.01E-06	5.72E-07	1.58E-06	1.54E-07	8.70E-08	2.41E-07	6.95E-08	3.58E-08	1.05E-07
2073	569705.92	4215264.73	1.07E-06	6.03E-07	1.67E-06	1.63E-07	9.18E-08	2.54E-07	7.34E-08	3.78E-08	1.11E-07
2074	569649.16	4215386.68	5.99E-07	3.39E-07	9.38E-07	9.14E-08	5.16E-08	1.43E-07	4.12E-08	2.12E-08	6.25E-08
2075	569652.47	4215378.07	6.19E-07	3.50E-07	9.69E-07	9.45E-08	5.33E-08	1.48E-07	4.26E-08	2.19E-08	6.46E-08
2076	569655.79	4215369.45	6.42E-07	3.64E-07	1.01E-06	9.81E-08	5.53E-08	1.53E-07	4.43E-08	2.28E-08	6.70E-08
2077	569659.1	4215360.84	6.66E-07	3.77E-07	1.04E-06	1.02E-07	5.74E-08	1.59E-07	4.59E-08	2.36E-08	6.95E-08
2078	569662.41	4215352.22	6.88E-07	3.90E-07	1.08E-06	1.05E-07	5.93E-08	1.64E-07	4.74E-08	2.44E-08	7.19E-08
2079	569665.72	4215343.61	7.11E-07	4.03E-07	1.11E-06	1.09E-07	6.12E-08	1.70E-07	4.90E-08	2.52E-08	7.42E-08
2080	569669.03	4215334.99	7.37E-07	4.18E-07	1.15E-06	1.13E-07	6.35E-08	1.76E-07	5.08E-08	2.61E-08	7.69E-08
2081	569672.34	4215326.38	7.63E-07	4.32E-07	1.19E-06	1.16E-07	6.57E-08	1.82E-07	5.26E-08	2.71E-08	7.96E-08
2082	569675.66	4215317.76	7.89E-07	4.47E-07	1.24E-06	1.20E-07	6.80E-08	1.88E-07	5.43E-08	2.80E-08	8.23E-08
2083	569678.97	4215309.15	8.22E-07	4.66E-07	1.29E-06	1.26E-07	7.08E-08	1.96E-07	5.66E-08	2.92E-08	8.58E-08
2084	569682.28	4215300.53	8.58E-07	4.86E-07	1.34E-06	1.31E-07	7.39E-08	2.05E-07	5.91E-08	3.04E-08	8.95E-08
2085	569685.59	4215291.92	8.94E-07	5.07E-07	1.40E-06	1.37E-07	7.70E-08	2.14E-07	6.16E-08	3.17E-08	9.33E-08
2086	569688.9	4215283.3	9.32E-07	5.28E-07	1.46E-06	1.42E-07	8.03E-08	2.23E-07	6.43E-08	3.31E-08	9.73E-08
2087	569692.21	4215274.69	9.78E-07	5.54E-07	1.53E-06	1.49E-07	8.43E-08	2.34E-07	6.74E-08	3.47E-08	1.02E-07
2088	569695.53	4215266.07	1.03E-06	5.84E-07	1.62E-06	1.57E-07	8.89E-08	2.46E-07	7.11E-08	3.66E-08	1.08E-07
2089	569698.84	4215257.46	1.09E-06	6.19E-07	1.71E-06	1.67E-07	9.42E-08	2.61E-07	7.53E-08	3.88E-08	1.14E-07
2090	569702.15	4215248.84	1.16E-06	6.56E-07	1.82E-06	1.77E-07	9.98E-08	2.77E-07	7.99E-08	4.11E-08	1.21E-07
2091	569705.46	4215240.23	1.23E-06	6.98E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.50E-08	4.37E-08	1.29E-07
2092	569639.3	4215386.65	5.77E-07	3.27E-07	9.04E-07	8.81E-08	4.97E-08	1.38E-07	3.98E-08	2.05E-08	6.02E-08
2093	569642.74	4215377.69	5.98E-07	3.39E-07	9.37E-07	9.14E-08	5.16E-08	1.43E-07	4.12E-08	2.12E-08	6.25E-08
2094	569646.19	4215368.73	6.24E-07	3.53E-07	9.77E-07	9.52E-08	5.37E-08	1.49E-07	4.30E-08	2.21E-08	6.51E-08
2095	569649.63	4215359.77	6.49E-07	3.68E-07	1.02E-06	9.91E-08	5.59E-08	1.55E-07	4.47E-08	2.30E-08	6.78E-08
2096	569653.08	4215350.81	6.73E-07	3.81E-07	1.05E-06	1.03E-07	5.80E-08	1.61E-07	4.64E-08	2.39E-08	7.03E-08
2097	569656.52	4215341.85	6.98E-07	3.96E-07	1.09E-06	1.07E-07	6.02E-08	1.67E-07	4.81E-08	2.48E-08	7.29E-08
2098	569659.96	4215332.89	7.25E-07	4.11E-07	1.14E-06	1.11E-07	6.25E-08	1.73E-07	5.00E-08	2.57E-08	7.57E-08
2099	569663.41	4215323.93	7.51E-07	4.25E-07	1.18E-06	1.15E-07	6.47E-08	1.79E-07	5.17E-08	2.66E-08	7.84E-08
2100	569666.85	4215314.97	7.77E-07	4.40E-07	1.22E-06	1.19E-07	6.70E-08	1.86E-07	5.36E-08	2.76E-08	8.11E-08
2101	569670.3	4215306.01	8.15E-07	4.62E-07	1.28E-06	1.24E-07	7.02E-08	1.95E-07	5.62E-08	2.89E-08	8.51E-08
2102	569673.74	4215297.05	8.54E-07	4.84E-07	1.34E-06	1.30E-07	7.36E-08	2.04E-07	5.89E-08	3.03E-08	8.92E-08
2103	569677.19	4215288.09	8.95E-07	5.07E-07	1.40E-06	1.37E-07	7.71E-08	2.14E-07	6.17E-08	3.17E-08	9.34E-08
2104	569680.63	4215279.13	9.38E-07	5.31E-07	1.47E-06	1.43E-07	8.08E-08	2.24E-07	6.46E-08	3.33E-08	9.79E-08

2105	569684.07	4215270.17	9.86E-07	5.59E-07	1.55E-06	1.51E-07	8.50E-08	2.36E-07	6.80E-08	3.50E-08	1.03E-07
2106	569687.52	4215261.21	1.04E-06	5.91E-07	1.63E-06	1.59E-07	8.99E-08	2.49E-07	7.19E-08	3.70E-08	1.09E-07
2107	569690.96	4215252.26	1.11E-06	6.26E-07	1.73E-06	1.69E-07	9.53E-08	2.64E-07	7.62E-08	3.92E-08	1.15E-07
2108	569694.41	4215243.3	1.18E-06	6.66E-07	1.84E-06	1.80E-07	1.01E-07	2.81E-07	8.10E-08	4.17E-08	1.23E-07
2109	569697.85	4215234.34	1.25E-06	7.10E-07	1.96E-06	1.91E-07	1.08E-07	2.99E-07	8.64E-08	4.45E-08	1.31E-07
2110	569701.29	4215225.38	1.33E-06	7.55E-07	2.09E-06	2.03E-07	1.15E-07	3.18E-07	9.18E-08	4.72E-08	1.39E-07
2111	569704.74	4215216.42	1.34E-06	7.62E-07	2.11E-06	2.05E-07	1.16E-07	3.21E-07	9.27E-08	4.77E-08	1.40E-07
2112	569629.27	4215387.04	5.57E-07	3.15E-07	8.72E-07	8.50E-08	4.80E-08	1.33E-07	3.84E-08	1.97E-08	5.81E-08
2113	569632.69	4215378.16	5.77E-07	3.27E-07	9.05E-07	8.82E-08	4.98E-08	1.38E-07	3.98E-08	2.05E-08	6.03E-08
2114	569636.1	4215369.27	6.02E-07	3.41E-07	9.44E-07	9.20E-08	5.19E-08	1.44E-07	4.15E-08	2.14E-08	6.29E-08
2115	569639.52	4215360.39	6.28E-07	3.56E-07	9.84E-07	9.59E-08	5.41E-08	1.50E-07	4.33E-08	2.23E-08	6.56E-08
2116	569642.93	4215351.51	6.53E-07	3.70E-07	1.02E-06	9.97E-08	5.63E-08	1.56E-07	4.50E-08	2.32E-08	6.82E-08
2117	569646.34	4215342.63	6.79E-07	3.85E-07	1.06E-06	1.04E-07	5.85E-08	1.62E-07	4.68E-08	2.41E-08	7.09E-08
2118	569649.76	4215333.75	7.06E-07	4.00E-07	1.11E-06	1.08E-07	6.09E-08	1.69E-07	4.87E-08	2.51E-08	7.37E-08
2119	569653.17	4215324.87	7.33E-07	4.15E-07	1.15E-06	1.12E-07	6.32E-08	1.75E-07	5.05E-08	2.60E-08	7.65E-08
2120	569656.59	4215315.99	7.58E-07	4.29E-07	1.19E-06	1.16E-07	6.53E-08	1.81E-07	5.22E-08	2.69E-08	7.91E-08
2121	569660	4215307.11	7.94E-07	4.50E-07	1.24E-06	1.21E-07	6.84E-08	1.90E-07	5.47E-08	2.81E-08	8.28E-08
2122	569663.41	4215298.22	8.32E-07	4.71E-07	1.30E-06	1.27E-07	7.17E-08	1.99E-07	5.74E-08	2.95E-08	8.69E-08
2123	569666.83	4215289.34	8.75E-07	4.96E-07	1.37E-06	1.34E-07	7.54E-08	2.09E-07	6.03E-08	3.10E-08	9.13E-08
2124	569670.24	4215280.46	9.17E-07	5.20E-07	1.44E-06	1.40E-07	7.90E-08	2.19E-07	6.32E-08	3.25E-08	9.57E-08
2125	569673.66	4215271.58	9.62E-07	5.45E-07	1.51E-06	1.47E-07	8.29E-08	2.30E-07	6.63E-08	3.41E-08	1.00E-07
2126	569677.07	4215262.7	1.01E-06	5.74E-07	1.59E-06	1.55E-07	8.73E-08	2.42E-07	6.98E-08	3.59E-08	1.06E-07
2127	569680.49	4215253.82	1.07E-06	6.06E-07	1.68E-06	1.63E-07	9.22E-08	2.56E-07	7.37E-08	3.79E-08	1.12E-07
2128	569683.9	4215244.94	1.13E-06	6.39E-07	1.77E-06	1.72E-07	9.72E-08	2.70E-07	7.78E-08	4.00E-08	1.18E-07
2129	569687.31	4215236.06	1.2E-06	6.78E-07	1.88E-06	1.83E-07	1.03E-07	2.86E-07	8.25E-08	4.25E-08	1.25E-07
2130	569690.73	4215227.18	1.28E-06	7.23E-07	2.00E-06	1.95E-07	1.10E-07	3.05E-07	8.80E-08	4.53E-08	1.33E-07
2131	569694.14	4215218.29	1.29E-06	7.33E-07	2.03E-06	1.98E-07	1.12E-07	3.09E-07	8.92E-08	4.59E-08	1.35E-07
2132	569697.56	4215209.41	1.3E-06	7.37E-07	2.04E-06	1.99E-07	1.12E-07	3.11E-07	8.97E-08	4.62E-08	1.36E-07
2133	569625.86	4215395.92	5.36E-07	3.03E-07	8.39E-07	8.18E-08	4.61E-08	1.28E-07	3.69E-08	1.90E-08	5.59E-08
2134	569619.25	4215387.42	5.38E-07	3.05E-07	8.43E-07	8.22E-08	4.64E-08	1.29E-07	3.71E-08	1.91E-08	5.62E-08
2135	569622.64	4215378.61	5.59E-07	3.17E-07	8.76E-07	8.54E-08	4.82E-08	1.34E-07	3.85E-08	1.98E-08	5.83E-08
2136	569626.02	4215369.8	5.83E-07	3.30E-07	9.13E-07	8.90E-08	5.02E-08	1.39E-07	4.02E-08	2.07E-08	6.08E-08
2137	569629.41	4215360.99	6.08E-07	3.45E-07	9.53E-07	9.29E-08	5.24E-08	1.45E-07	4.19E-08	2.16E-08	6.35E-08
2138	569632.8	4215352.18	6.34E-07	3.59E-07	9.93E-07	9.68E-08	5.46E-08	1.51E-07	4.37E-08	2.25E-08	6.62E-08
2139	569636.18	4215343.37	6.6E-07	3.74E-07	1.03E-06	1.01E-07	5.69E-08	1.58E-07	4.55E-08	2.34E-08	6.89E-08
2140	569639.57	4215334.56	6.89E-07	3.90E-07	1.08E-06	1.05E-07	5.94E-08	1.65E-07	4.75E-08	2.44E-08	7.19E-08
2141	569642.96	4215325.75	7.17E-07	4.06E-07	1.12E-06	1.09E-07	6.18E-08	1.71E-07	4.94E-08	2.54E-08	7.48E-08
2142	569646.34	4215316.94	7.43E-07	4.21E-07	1.16E-06	1.13E-07	6.40E-08	1.78E-07	5.12E-08	2.64E-08	7.76E-08
2143	569649.73	4215308.13	7.78E-07	4.41E-07	1.22E-06	1.19E-07	6.70E-08	1.86E-07	5.36E-08	2.76E-08	8.12E-08
2144	569653.12	4215299.32	8.16E-07	4.62E-07	1.28E-06	1.25E-07	7.03E-08	1.95E-07	5.62E-08	2.89E-08	8.52E-08
2145	569656.5	4215290.51	8.57E-07	4.86E-07	1.34E-06	1.31E-07	7.39E-08	2.05E-07	5.91E-08	3.04E-08	8.95E-08
2146	569659.89	4215281.7	8.99E-07	5.09E-07	1.41E-06	1.37E-07	7.74E-08	2.15E-07	6.19E-08	3.19E-08	9.38E-08
2147	569663.28	4215272.89	9.4E-07	5.32E-07	1.47E-06	1.44E-07	8.10E-08	2.24E-07	6.48E-08	3.33E-08	9.81E-08
2148	569666.66	4215264.08	9.86E-07	5.59E-07	1.54E-06	1.51E-07	8.50E-08	2.36E-07	6.80E-08	3.50E-08	1.03E-07
2149	569670.05	4215255.27	1.04E-06	5.88E-07	1.63E-06	1.58E-07	8.94E-08	2.48E-07	7.15E-08	3.68E-08	1.08E-07
2150	569673.44	4215246.46	1.09E-06	6.16E-07	1.70E-06	1.66E-07	9.36E-08	2.60E-07	7.49E-08	3.85E-08	1.13E-07
2151	569676.82	4215237.65	1.14E-06	6.48E-07	1.79E-06	1.75E-07	9.85E-08	2.73E-07	7.88E-08	4.06E-08	1.19E-07
2152	569680.21	4215228.84	1.21E-06	6.85E-07	1.89E-06	1.85E-07	1.04E-07	2.89E-07	8.33E-08	4.29E-08	1.26E-07
2153	569683.6	4215220.03	1.23E-06	6.97E-07	1.93E-06	1.88E-07	1.06E-07	2.94E-07	8.48E-08	4.37E-08	1.28E-07
2154	569686.98	4215211.23	1.24E-06	7.00E-07	1.93E-06	1.89E-07	1.06E-07	2.95E-07	8.51E-08	4.38E-08	1.29E-07
2155	569690.37	4215202.42	1.24E-06	7.04E-07	1.95E-06	1.90E-07	1.07E-07	2.97E-07	8.57E-08	4.41E-08	1.30E-07
2156	569615.87	4215396.23	5.17E-07	2.93E-07	8.10E-07	7.90E-08	4.46E-08	1.24E-07	3.56E-08	1.84E-08	5.40E-08
2157	569616.17	4215405.88	5.01E-07	2.84E-07	7.86E-07	7.66E-08	4.32E-08	1.20E-07	3.46E-08	1.78E-08	5.23E-08
2158	569616.47	4215415.53	4.88E-07	2.76E-07	7.64E-07	7.45E-08	4.20E-08	1.17E-07	3.36E-08	1.73E-08	5.09E-08
2159	569609.23	4215387.79	5.21E-07	2.95E-07	8.16E-07	7.95E-08	4.49E-08	1.24E-07	3.59E-08	1.85E-08	5.44E-08
2160	569612.59	4215379.05	5.41E-07	3.07E-07	8.48E-07	8.27E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.65E-08
2161	569615.95	4215370.31	5.64E-07	3.20E-07	8.84E-07	8.62E-08	4.86E-08	1.35E-07	3.89E-08	2.00E-08	5.89E-08
2162	569619.32	4215361.56	5.89E-07	3.34E-07	9.23E-07	9.00E-08	5.08E-08	1.41E-07	4.06E-08	2.09E-08	6.15E-08
2163	569622.68	4215352.82	6.14E-07	3.48E-07	9.62E-07	9.38E-08	5.29E-08	1.47E-07	4.23E-08	2.18E-08	6.41E-08
2164	569626.04	4215344.07	6.41E-07	3.63E-07	1.00E-06	9.78E-08	5.52E-08	1.53E-07	4.41E-08	2.27E-08	6.69E-08
2165	569629.4	4215335.33	6.71E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
2166	569632.76	4215326.59	7.01E-07	3.97E-07	1.10E-06	1.07E-07	6.04E-08	1.68E-07	4.83E-08	2.49E-08	7.32E-08

2167	569636.12	4215317.84	7.31E-07	4.14E-07	1.14E-06	1.12E-07	6.29E-08	1.75E-07	5.03E-08	2.59E-08	7.63E-08
2168	569639.48	4215309.1	7.64E-07	4.33E-07	1.20E-06	1.17E-07	6.58E-08	1.83E-07	5.27E-08	2.71E-08	7.98E-08
2169	569642.84	4215300.35	8.02E-07	4.54E-07	1.26E-06	1.22E-07	6.91E-08	1.91E-07	5.52E-08	2.84E-08	8.37E-08
2170	569646.21	4215291.61	8.42E-07	4.77E-07	1.32E-06	1.29E-07	7.26E-08	2.01E-07	5.80E-08	2.99E-08	8.79E-08
2171	569649.57	4215282.87	8.83E-07	5.00E-07	1.38E-06	1.35E-07	7.61E-08	2.11E-07	6.08E-08	3.13E-08	9.22E-08
2172	569652.93	4215274.12	9.2E-07	5.21E-07	1.44E-06	1.41E-07	7.93E-08	2.20E-07	6.34E-08	3.26E-08	9.61E-08
2173	569656.29	4215265.38	9.62E-07	5.45E-07	1.51E-06	1.47E-07	8.29E-08	2.30E-07	6.63E-08	3.41E-08	1.00E-07
2174	569659.65	4215256.63	1.01E-06	5.72E-07	1.58E-06	1.54E-07	8.70E-08	2.41E-07	6.95E-08	3.58E-08	1.05E-07
2175	569663.01	4215247.89	1.05E-06	5.95E-07	1.64E-06	1.60E-07	9.04E-08	2.51E-07	7.23E-08	3.72E-08	1.10E-07
2176	569666.37	4215239.14	1.1E-06	6.21E-07	1.72E-06	1.67E-07	9.44E-08	2.62E-07	7.55E-08	3.89E-08	1.14E-07
2177	569669.74	4215230.4	1.15E-06	6.51E-07	1.80E-06	1.76E-07	9.91E-08	2.75E-07	7.92E-08	4.08E-08	1.20E-07
2178	569673.1	4215221.66	1.17E-06	6.65E-07	1.84E-06	1.79E-07	1.01E-07	2.80E-07	8.09E-08	4.16E-08	1.23E-07
2179	569676.46	4215212.91	1.17E-06	6.62E-07	1.83E-06	1.79E-07	1.01E-07	2.79E-07	8.06E-08	4.15E-08	1.22E-07
2180	569679.82	4215204.17	1.17E-06	6.62E-07	1.83E-06	1.78E-07	1.01E-07	2.79E-07	8.05E-08	4.14E-08	1.22E-07
2181	569683.18	4215195.42	1.17E-06	6.62E-07	1.83E-06	1.78E-07	1.01E-07	2.79E-07	8.05E-08	4.14E-08	1.22E-07
2182	569695.14	4215182.97	1.17E-06	6.63E-07	1.83E-06	1.79E-07	1.01E-07	2.80E-07	8.07E-08	4.15E-08	1.22E-07
2183	569605.87	4215396.54	5E-07	2.83E-07	7.84E-07	7.64E-08	4.31E-08	1.19E-07	3.45E-08	1.77E-08	5.22E-08
2184	569606.17	4215406.19	4.84E-07	2.74E-07	7.59E-07	7.40E-08	4.17E-08	1.16E-07	3.34E-08	1.72E-08	5.06E-08
2185	569606.47	4215415.84	4.72E-07	2.67E-07	7.40E-07	7.21E-08	4.07E-08	1.13E-07	3.25E-08	1.67E-08	4.93E-08
2186	569606.77	4215425.5	4.6E-07	2.61E-07	7.21E-07	7.03E-08	3.96E-08	1.10E-07	3.17E-08	1.63E-08	4.80E-08
2187	569599.21	4215388.17	5.04E-07	2.86E-07	7.90E-07	7.70E-08	4.35E-08	1.20E-07	3.48E-08	1.79E-08	5.26E-08
2188	569602.55	4215379.48	5.25E-07	2.97E-07	8.22E-07	8.01E-08	4.52E-08	1.25E-07	3.61E-08	1.86E-08	5.48E-08
2189	569605.89	4215370.8	5.47E-07	3.10E-07	8.57E-07	8.35E-08	4.71E-08	1.31E-07	3.77E-08	1.94E-08	5.71E-08
2190	569609.23	4215362.11	5.71E-07	3.24E-07	8.95E-07	8.72E-08	4.92E-08	1.36E-07	3.94E-08	2.03E-08	5.96E-08
2191	569612.57	4215353.43	5.96E-07	3.38E-07	9.33E-07	9.10E-08	5.13E-08	1.42E-07	4.11E-08	2.11E-08	6.22E-08
2192	569615.9	4215344.75	6.21E-07	3.52E-07	9.73E-07	9.49E-08	5.35E-08	1.48E-07	4.28E-08	2.20E-08	6.49E-08
2193	569619.24	4215336.06	6.52E-07	3.69E-07	1.02E-06	9.95E-08	5.62E-08	1.56E-07	4.49E-08	2.31E-08	6.80E-08
2194	569622.58	4215327.38	6.83E-07	3.87E-07	1.07E-06	1.04E-07	5.88E-08	1.63E-07	4.71E-08	2.42E-08	7.13E-08
2195	569625.92	4215318.7	7.14E-07	4.05E-07	1.12E-06	1.09E-07	6.16E-08	1.71E-07	4.92E-08	2.53E-08	7.46E-08
2196	569629.26	4215310.01	7.49E-07	4.24E-07	1.17E-06	1.14E-07	6.46E-08	1.79E-07	5.16E-08	2.66E-08	7.82E-08
2197	569632.59	4215301.33	7.88E-07	4.47E-07	1.23E-06	1.20E-07	6.79E-08	1.88E-07	5.43E-08	2.80E-08	8.23E-08
2198	569635.93	4215292.64	8.29E-07	4.69E-07	1.30E-06	1.27E-07	7.14E-08	1.98E-07	5.71E-08	2.94E-08	8.65E-08
2199	569639.27	4215283.96	8.69E-07	4.92E-07	1.36E-06	1.33E-07	7.49E-08	2.08E-07	5.99E-08	3.08E-08	9.07E-08
2200	569642.61	4215275.28	9.03E-07	5.11E-07	1.41E-06	1.38E-07	7.78E-08	2.16E-07	6.22E-08	3.20E-08	9.42E-08
2201	569645.95	4215266.59	9.4E-07	5.33E-07	1.47E-06	1.44E-07	8.10E-08	2.25E-07	6.48E-08	3.34E-08	9.82E-08
2202	569649.29	4215257.91	9.82E-07	5.56E-07	1.54E-06	1.50E-07	8.46E-08	2.35E-07	6.77E-08	3.48E-08	1.03E-07
2203	569652.62	4215249.22	1.01E-06	5.74E-07	1.59E-06	1.55E-07	8.73E-08	2.42E-07	6.98E-08	3.59E-08	1.06E-07
2204	569655.96	4215240.54	1.05E-06	5.94E-07	1.64E-06	1.60E-07	9.03E-08	2.50E-07	7.22E-08	3.72E-08	1.09E-07
2205	569659.3	4215231.86	1.09E-06	6.18E-07	1.71E-06	1.67E-07	9.40E-08	2.61E-07	7.52E-08	3.87E-08	1.14E-07
2206	569662.64	4215223.17	1.12E-06	6.36E-07	1.76E-06	1.71E-07	9.67E-08	2.68E-07	7.73E-08	3.98E-08	1.17E-07
2207	569665.98	4215214.49	1.11E-06	6.29E-07	1.74E-06	1.70E-07	9.57E-08	2.65E-07	7.66E-08	3.94E-08	1.16E-07
2208	569669.31	4215205.81	1.1E-06	6.24E-07	1.73E-06	1.68E-07	9.50E-08	2.63E-07	7.60E-08	3.91E-08	1.15E-07
2209	569672.65	4215197.12	1.1E-06	6.22E-07	1.72E-06	1.68E-07	9.45E-08	2.62E-07	7.56E-08	3.89E-08	1.15E-07
2210	569675.99	4215188.44	1.08E-06	6.12E-07	1.69E-06	1.65E-07	9.31E-08	2.58E-07	7.45E-08	3.83E-08	1.13E-07
2211	569687.87	4215176.07	1.08E-06	6.13E-07	1.70E-06	1.65E-07	9.33E-08	2.59E-07	7.46E-08	3.84E-08	1.13E-07
2212	569595.87	4215396.85	4.85E-07	2.75E-07	7.59E-07	7.40E-08	4.18E-08	1.16E-07	3.34E-08	1.72E-08	5.06E-08
2213	569596.17	4215406.5	4.69E-07	2.66E-07	7.35E-07	7.16E-08	4.04E-08	1.12E-07	3.23E-08	1.66E-08	4.90E-08
2214	569596.47	4215416.15	4.58E-07	2.59E-07	7.17E-07	6.99E-08	3.94E-08	1.09E-07	3.15E-08	1.62E-08	4.78E-08
2215	569596.77	4215425.81	4.46E-07	2.53E-07	6.99E-07	6.81E-08	3.85E-08	1.07E-07	3.08E-08	1.58E-08	4.66E-08
2216	569597.07	4215435.46	4.35E-07	2.47E-07	6.82E-07	6.65E-08	3.75E-08	1.04E-07	3.00E-08	1.54E-08	4.54E-08
2217	569589.33	4215388.19	4.9E-07	2.78E-07	7.67E-07	7.48E-08	4.22E-08	1.17E-07	3.38E-08	1.74E-08	5.11E-08
2218	569592.78	4215379.21	5.1E-07	2.89E-07	7.99E-07	7.79E-08	4.40E-08	1.22E-07	3.52E-08	1.81E-08	5.33E-08
2219	569596.23	4215370.24	5.33E-07	3.02E-07	8.35E-07	8.14E-08	4.59E-08	1.27E-07	3.67E-08	1.89E-08	5.56E-08
2220	569599.68	4215361.27	5.58E-07	3.16E-07	8.73E-07	8.51E-08	4.80E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
2221	569603.13	4215352.29	5.83E-07	3.30E-07	9.13E-07	8.90E-08	5.02E-08	1.39E-07	4.02E-08	2.07E-08	6.09E-08
2222	569606.58	4215343.32	6.1E-07	3.46E-07	9.56E-07	9.32E-08	5.26E-08	1.46E-07	4.21E-08	2.16E-08	6.37E-08
2223	569610.03	4215334.35	6.42E-07	3.64E-07	1.01E-06	9.81E-08	5.53E-08	1.53E-07	4.43E-08	2.28E-08	6.70E-08
2224	569613.48	4215325.37	6.75E-07	3.83E-07	1.06E-06	1.03E-07	5.82E-08	1.61E-07	4.65E-08	2.40E-08	7.05E-08
2225	569616.92	4215316.4	7.09E-07	4.02E-07	1.11E-06	1.08E-07	6.11E-08	1.69E-07	4.89E-08	2.52E-08	7.41E-08
2226	569620.37	4215307.43	7.46E-07	4.23E-07	1.17E-06	1.14E-07	6.43E-08	1.78E-07	5.14E-08	2.65E-08	7.79E-08
2227	569623.82	4215298.45	7.86E-07	4.45E-07	1.23E-06	1.20E-07	6.77E-08	1.88E-07	5.42E-08	2.79E-08	8.21E-08
2228	569627.27	4215289.48	8.3E-07	4.70E-07	1.30E-06	1.27E-07	7.15E-08	1.98E-07	5.72E-08	2.94E-08	8.67E-08

2229	569630.72	4215280.51	8.67E-07	4.91E-07	1.36E-06	1.32E-07	7.47E-08	2.07E-07	5.98E-08	3.08E-08	9.05E-08
2230	569634.17	4215271.53	9.06E-07	5.13E-07	1.42E-06	1.38E-07	7.80E-08	2.16E-07	6.24E-08	3.21E-08	9.45E-08
2231	569637.62	4215262.56	9.42E-07	5.34E-07	1.48E-06	1.44E-07	8.12E-08	2.25E-07	6.49E-08	3.34E-08	9.84E-08
2232	569641.07	4215253.59	9.76E-07	5.53E-07	1.53E-06	1.49E-07	8.41E-08	2.33E-07	6.72E-08	3.46E-08	1.02E-07
2233	569644.52	4215244.61	9.97E-07	5.65E-07	1.56E-06	1.52E-07	8.59E-08	2.38E-07	6.87E-08	3.54E-08	1.04E-07
2234	569647.97	4215235.64	1.02E-06	5.80E-07	1.60E-06	1.56E-07	8.83E-08	2.45E-07	7.06E-08	3.63E-08	1.07E-07
2235	569651.42	4215226.67	1.06E-06	6.01E-07	1.66E-06	1.62E-07	9.14E-08	2.53E-07	7.31E-08	3.76E-08	1.11E-07
2236	569654.87	4215217.69	1.06E-06	6.01E-07	1.66E-06	1.62E-07	9.14E-08	2.53E-07	7.31E-08	3.76E-08	1.11E-07
2237	569658.32	4215208.72	1.05E-06	5.96E-07	1.65E-06	1.61E-07	9.07E-08	2.51E-07	7.25E-08	3.73E-08	1.10E-07
2238	569661.77	4215199.75	1.04E-06	5.88E-07	1.63E-06	1.59E-07	8.95E-08	2.48E-07	7.16E-08	3.68E-08	1.08E-07
2239	569665.22	4215190.77	1.02E-06	5.80E-07	1.60E-06	1.56E-07	8.82E-08	2.45E-07	7.06E-08	3.63E-08	1.07E-07
2240	569668.67	4215181.8	1.01E-06	5.72E-07	1.58E-06	1.54E-07	8.70E-08	2.41E-07	6.96E-08	3.58E-08	1.05E-07
2241	569680.94	4215169.02	1.01E-06	5.74E-07	1.59E-06	1.55E-07	8.73E-08	2.42E-07	6.98E-08	3.59E-08	1.06E-07
2242	569585.88	4215397.16	4.7E-07	2.66E-07	7.36E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
2243	569586.18	4215406.81	4.55E-07	2.58E-07	7.13E-07	6.95E-08	3.92E-08	1.09E-07	3.14E-08	1.61E-08	4.75E-08
2244	569586.48	4215416.47	4.44E-07	2.52E-07	6.96E-07	6.78E-08	3.83E-08	1.06E-07	3.06E-08	1.58E-08	4.64E-08
2245	569586.78	4215426.12	4.33E-07	2.45E-07	6.79E-07	6.62E-08	3.73E-08	1.03E-07	2.99E-08	1.54E-08	4.52E-08
2246	569587.08	4215435.77	4.23E-07	2.39E-07	6.62E-07	6.45E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
2247	569918.17	4215544.25	7.17E-07	4.06E-07	1.12E-06	1.09E-07	6.18E-08	1.71E-07	4.94E-08	2.54E-08	7.48E-08
2248	569927.49	4215542.57	7.29E-07	4.13E-07	1.14E-06	1.11E-07	6.29E-08	1.74E-07	5.03E-08	2.59E-08	7.61E-08
2249	569936.8	4215540.89	7.43E-07	4.21E-07	1.16E-06	1.13E-07	6.40E-08	1.77E-07	5.12E-08	2.64E-08	7.75E-08
2250	569946.12	4215539.22	7.57E-07	4.29E-07	1.19E-06	1.16E-07	6.53E-08	1.81E-07	5.22E-08	2.69E-08	7.91E-08
2251	569955.43	4215537.54	7.74E-07	4.38E-07	1.21E-06	1.18E-07	6.67E-08	1.85E-07	5.33E-08	2.74E-08	8.07E-08
2252	569964.75	4215535.87	7.92E-07	4.48E-07	1.24E-06	1.21E-07	6.82E-08	1.89E-07	5.45E-08	2.81E-08	8.26E-08
2253	569974.06	4215534.19	8.12E-07	4.60E-07	1.27E-06	1.24E-07	7.00E-08	1.94E-07	5.60E-08	2.88E-08	8.48E-08
2254	569983.38	4215532.52	8.35E-07	4.73E-07	1.31E-06	1.27E-07	7.19E-08	1.99E-07	5.75E-08	2.96E-08	8.71E-08
2255	569992.69	4215530.84	8.59E-07	4.87E-07	1.35E-06	1.31E-07	7.40E-08	2.05E-07	5.92E-08	3.05E-08	8.97E-08
2256	570002.01	4215529.17	8.85E-07	5.02E-07	1.39E-06	1.35E-07	7.63E-08	2.11E-07	6.10E-08	3.14E-08	9.24E-08
2257	570011.32	4215527.49	9.12E-07	5.17E-07	1.43E-06	1.39E-07	7.86E-08	2.18E-07	6.29E-08	3.24E-08	9.52E-08
2258	570020.64	4215525.82	9.39E-07	5.32E-07	1.47E-06	1.43E-07	8.09E-08	2.24E-07	6.47E-08	3.33E-08	9.80E-08
2259	569911.2	4215551.84	6.71E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.00E-08
2260	569902.47	4215549.6	6.83E-07	3.87E-07	1.07E-06	1.04E-07	5.88E-08	1.63E-07	4.70E-08	2.42E-08	7.12E-08
2261	569929.26	4215552.41	6.7E-07	3.79E-07	1.05E-06	1.02E-07	5.77E-08	1.60E-07	4.62E-08	2.38E-08	6.99E-08
2262	569938.57	4215550.74	6.81E-07	3.86E-07	1.07E-06	1.04E-07	5.87E-08	1.63E-07	4.69E-08	2.42E-08	7.11E-08
2263	569947.89	4215549.06	6.93E-07	3.93E-07	1.09E-06	1.06E-07	5.97E-08	1.65E-07	4.77E-08	2.46E-08	7.23E-08
2264	569957.2	4215547.39	7.06E-07	4.00E-07	1.11E-06	1.08E-07	6.08E-08	1.69E-07	4.86E-08	2.50E-08	7.37E-08
2265	569966.52	4215545.71	7.21E-07	4.08E-07	1.13E-06	1.10E-07	6.21E-08	1.72E-07	4.97E-08	2.56E-08	7.52E-08
2266	569975.83	4215544.04	7.37E-07	4.17E-07	1.15E-06	1.13E-07	6.35E-08	1.76E-07	5.08E-08	2.61E-08	7.69E-08
2267	569985.15	4215542.36	7.55E-07	4.28E-07	1.18E-06	1.15E-07	6.51E-08	1.80E-07	5.20E-08	2.68E-08	7.88E-08
2268	569994.46	4215540.68	7.75E-07	4.39E-07	1.21E-06	1.18E-07	6.68E-08	1.85E-07	5.34E-08	2.75E-08	8.09E-08
2269	570003.78	4215539.01	7.96E-07	4.51E-07	1.25E-06	1.22E-07	6.86E-08	1.90E-07	5.49E-08	2.82E-08	8.31E-08
2270	570013.09	4215537.33	8.18E-07	4.63E-07	1.28E-06	1.25E-07	7.05E-08	1.95E-07	5.64E-08	2.90E-08	8.54E-08
2271	570022.41	4215535.66	8.39E-07	4.75E-07	1.31E-06	1.28E-07	7.23E-08	2.00E-07	5.78E-08	2.98E-08	8.76E-08
2272	569913.03	4215561.7	6.19E-07	3.51E-07	9.70E-07	9.45E-08	5.33E-08	1.48E-07	4.27E-08	2.20E-08	6.46E-08
2273	569895.65	4215557.24	6.41E-07	3.63E-07	1.00E-06	9.78E-08	5.52E-08	1.53E-07	4.41E-08	2.27E-08	6.69E-08
2274	569878.28	4215552.77	6.61E-07	3.75E-07	1.04E-06	1.01E-07	5.70E-08	1.58E-07	4.56E-08	2.35E-08	6.90E-08
2275	569921.71	4215563.93	6.08E-07	3.44E-07	9.53E-07	9.29E-08	5.24E-08	1.45E-07	4.19E-08	2.16E-08	6.35E-08
2276	569931.03	4215562.25	6.17E-07	3.49E-07	9.66E-07	9.42E-08	5.31E-08	1.47E-07	4.25E-08	2.19E-08	6.44E-08
2277	569940.34	4215560.58	6.26E-07	3.55E-07	9.81E-07	9.56E-08	5.39E-08	1.50E-07	4.31E-08	2.22E-08	6.53E-08
2278	569949.66	4215558.9	6.36E-07	3.60E-07	9.96E-07	9.71E-08	5.48E-08	1.52E-07	4.38E-08	2.26E-08	6.64E-08
2279	569958.97	4215557.23	6.47E-07	3.66E-07	1.01E-06	9.87E-08	5.57E-08	1.54E-07	4.46E-08	2.29E-08	6.75E-08
2280	569968.29	4215555.55	6.59E-07	3.73E-07	1.03E-06	1.01E-07	5.68E-08	1.57E-07	4.54E-08	2.34E-08	6.88E-08
2281	569977.6	4215553.88	6.72E-07	3.81E-07	1.05E-06	1.03E-07	5.79E-08	1.61E-07	4.63E-08	2.38E-08	7.02E-08
2282	569986.92	4215552.2	6.87E-07	3.89E-07	1.08E-06	1.05E-07	5.92E-08	1.64E-07	4.73E-08	2.44E-08	7.17E-08
2283	569996.23	4215550.53	7.02E-07	3.98E-07	1.10E-06	1.07E-07	6.05E-08	1.68E-07	4.84E-08	2.49E-08	7.33E-08
2284	570005.55	4215548.85	7.19E-07	4.07E-07	1.13E-06	1.10E-07	6.19E-08	1.72E-07	4.95E-08	2.55E-08	7.50E-08
2285	570014.86	4215547.18	7.36E-07	4.17E-07	1.15E-06	1.12E-07	6.34E-08	1.76E-07	5.07E-08	2.61E-08	7.68E-08
2286	570024.18	4215545.5	7.54E-07	4.27E-07	1.18E-06	1.15E-07	6.49E-08	1.80E-07	5.19E-08	2.67E-08	7.87E-08
2287	570033.49	4215543.83	7.69E-07	4.36E-07	1.20E-06	1.17E-07	6.62E-08	1.84E-07	5.30E-08	2.73E-08	8.03E-08
2288	569914.84	4215571.55	5.72E-07	3.24E-07	8.96E-07	8.74E-08	4.93E-08	1.37E-07	3.94E-08	2.03E-08	5.97E-08
2289	569897.56	4215567.11	5.92E-07	3.36E-07	9.28E-07	9.05E-08	5.11E-08	1.42E-07	4.08E-08	2.10E-08	6.18E-08
2290	569880.28	4215562.67	6.12E-07	3.47E-07	9.59E-07	9.35E-08	5.28E-08	1.46E-07	4.22E-08	2.17E-08	6.39E-08

2291	569862.99	4215558.23	6.31E-07	3.58E-07	9.89E-07	9.64E-08	5.44E-08	1.51E-07	4.35E-08	2.24E-08	6.59E-08
2292	569923.48	4215573.77	5.62E-07	3.18E-07	8.81E-07	8.58E-08	4.84E-08	1.34E-07	3.87E-08	1.99E-08	5.87E-08
2293	569932.8	4215572.1	5.69E-07	3.23E-07	8.92E-07	8.70E-08	4.91E-08	1.36E-07	3.92E-08	2.02E-08	5.94E-08
2294	569942.11	4215570.42	5.77E-07	3.27E-07	9.04E-07	8.81E-08	4.97E-08	1.38E-07	3.98E-08	2.05E-08	6.03E-08
2295	569951.43	4215568.75	5.86E-07	3.32E-07	9.17E-07	8.94E-08	5.05E-08	1.40E-07	4.03E-08	2.08E-08	6.11E-08
2296	569960.74	4215567.07	5.95E-07	3.37E-07	9.31E-07	9.08E-08	5.12E-08	1.42E-07	4.10E-08	2.11E-08	6.21E-08
2297	569970.06	4215565.4	6.05E-07	3.43E-07	9.47E-07	9.23E-08	5.21E-08	1.44E-07	4.17E-08	2.14E-08	6.31E-08
2298	569979.37	4215563.72	6.15E-07	3.49E-07	9.64E-07	9.39E-08	5.30E-08	1.47E-07	4.24E-08	2.18E-08	6.42E-08
2299	569988.69	4215562.04	6.26E-07	3.55E-07	9.81E-07	9.57E-08	5.40E-08	1.50E-07	4.32E-08	2.22E-08	6.54E-08
2300	569998	4215560.37	6.39E-07	3.62E-07	1.00E-06	9.75E-08	5.50E-08	1.53E-07	4.40E-08	2.27E-08	6.67E-08
2301	570007.32	4215558.69	6.52E-07	3.69E-07	1.02E-06	9.96E-08	5.62E-08	1.56E-07	4.49E-08	2.31E-08	6.81E-08
2302	570016.63	4215557.02	6.66E-07	3.77E-07	1.04E-06	1.02E-07	5.74E-08	1.59E-07	4.59E-08	2.36E-08	6.95E-08
2303	570025.95	4215555.34	6.8E-07	3.85E-07	1.07E-06	1.04E-07	5.86E-08	1.63E-07	4.69E-08	2.41E-08	7.10E-08
2304	569916.65	4215581.4	5.3E-07	3.00E-07	8.30E-07	8.09E-08	4.57E-08	1.27E-07	3.65E-08	1.88E-08	5.53E-08
2305	569899.44	4215576.98	5.49E-07	3.11E-07	8.60E-07	8.39E-08	4.73E-08	1.31E-07	3.78E-08	1.95E-08	5.73E-08
2306	569882.24	4215572.56	5.68E-07	3.22E-07	8.90E-07	8.67E-08	4.89E-08	1.36E-07	3.91E-08	2.01E-08	5.93E-08
2307	569865.03	4215568.14	5.86E-07	3.32E-07	9.18E-07	8.95E-08	5.05E-08	1.40E-07	4.04E-08	2.08E-08	6.12E-08
2308	569847.83	4215563.72	6.03E-07	3.42E-07	9.45E-07	9.21E-08	5.20E-08	1.44E-07	4.16E-08	2.14E-08	6.30E-08
2309	569830.62	4215559.3	5.95E-07	3.37E-07	9.32E-07	9.08E-08	5.12E-08	1.42E-07	4.10E-08	2.11E-08	6.21E-08
2310	569934.57	4215581.94	5.27E-07	2.98E-07	8.25E-07	8.04E-08	4.54E-08	1.26E-07	3.63E-08	1.87E-08	5.50E-08
2311	569943.88	4215580.26	5.34E-07	3.02E-07	8.36E-07	8.15E-08	4.60E-08	1.27E-07	3.68E-08	1.89E-08	5.57E-08
2312	569953.2	4215578.59	5.41E-07	3.06E-07	8.47E-07	8.26E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.64E-08
2313	569962.51	4215576.91	5.48E-07	3.11E-07	8.59E-07	8.38E-08	4.73E-08	1.31E-07	3.78E-08	1.95E-08	5.73E-08
2314	569971.83	4215575.24	5.56E-07	3.15E-07	8.71E-07	8.49E-08	4.79E-08	1.33E-07	3.83E-08	1.97E-08	5.81E-08
2315	569981.14	4215573.56	5.65E-07	3.20E-07	8.85E-07	8.62E-08	4.87E-08	1.35E-07	3.89E-08	2.00E-08	5.89E-08
2316	569990.46	4215571.89	5.74E-07	3.25E-07	8.99E-07	8.76E-08	4.95E-08	1.37E-07	3.96E-08	2.04E-08	5.99E-08
2317	569999.77	4215570.21	5.84E-07	3.31E-07	9.15E-07	8.92E-08	5.03E-08	1.40E-07	4.03E-08	2.07E-08	6.10E-08
2318	570009.09	4215568.54	5.95E-07	3.37E-07	9.32E-07	9.09E-08	5.13E-08	1.42E-07	4.10E-08	2.11E-08	6.21E-08
2319	570064.98	4215558.48	6.71E-07	3.80E-07	1.05E-06	1.02E-07	5.78E-08	1.60E-07	4.62E-08	2.38E-08	7.01E-08
2320	570074.3	4215556.81	6.89E-07	3.91E-07	1.08E-06	1.05E-07	5.94E-08	1.65E-07	4.75E-08	2.45E-08	7.20E-08
2321	570083.61	4215555.13	7.09E-07	4.02E-07	1.11E-06	1.08E-07	6.11E-08	1.69E-07	4.89E-08	2.52E-08	7.40E-08
2322	569917.88	4215591.11	4.92E-07	2.79E-07	7.71E-07	7.52E-08	4.24E-08	1.18E-07	3.39E-08	1.75E-08	5.14E-08
2323	569908.74	4215588.76	5.02E-07	2.84E-07	7.86E-07	7.66E-08	4.32E-08	1.20E-07	3.46E-08	1.78E-08	5.24E-08
2324	569899.6	4215586.41	5.11E-07	2.90E-07	8.01E-07	7.81E-08	4.40E-08	1.22E-07	3.52E-08	1.81E-08	5.34E-08
2325	569890.46	4215584.06	5.21E-07	2.95E-07	8.17E-07	7.96E-08	4.49E-08	1.25E-07	3.59E-08	1.85E-08	5.44E-08
2326	569881.32	4215581.71	5.31E-07	3.01E-07	8.31E-07	8.10E-08	4.57E-08	1.27E-07	3.66E-08	1.88E-08	5.54E-08
2327	569872.18	4215579.37	5.4E-07	3.06E-07	8.46E-07	8.24E-08	4.65E-08	1.29E-07	3.72E-08	1.92E-08	5.64E-08
2328	569863.04	4215577.02	5.49E-07	3.11E-07	8.60E-07	8.38E-08	4.73E-08	1.31E-07	3.78E-08	1.95E-08	5.73E-08
2329	569853.9	4215574.67	5.58E-07	3.16E-07	8.74E-07	8.52E-08	4.81E-08	1.33E-07	3.84E-08	1.98E-08	5.82E-08
2330	569844.76	4215572.32	5.66E-07	3.21E-07	8.87E-07	8.65E-08	4.88E-08	1.35E-07	3.90E-08	2.01E-08	5.91E-08
2331	569835.62	4215569.97	5.54E-07	3.14E-07	8.68E-07	8.46E-08	4.77E-08	1.32E-07	3.82E-08	1.97E-08	5.78E-08
2332	569826.48	4215567.62	5.59E-07	3.17E-07	8.76E-07	8.54E-08	4.82E-08	1.34E-07	3.85E-08	1.98E-08	5.84E-08
2333	569817.34	4215565.28	5.65E-07	3.20E-07	8.85E-07	8.62E-08	4.87E-08	1.35E-07	3.89E-08	2.00E-08	5.90E-08
2334	569808.2	4215562.93	5.7E-07	3.23E-07	8.93E-07	8.70E-08	4.91E-08	1.36E-07	3.93E-08	2.02E-08	5.95E-08
2335	569927.02	4215593.46	4.83E-07	2.74E-07	7.57E-07	7.38E-08	4.16E-08	1.15E-07	3.33E-08	1.71E-08	5.04E-08
2336	569936.34	4215591.78	4.88E-07	2.77E-07	7.65E-07	7.46E-08	4.21E-08	1.17E-07	3.37E-08	1.73E-08	5.10E-08
2337	569945.65	4215590.11	4.94E-07	2.80E-07	7.74E-07	7.55E-08	4.26E-08	1.18E-07	3.41E-08	1.75E-08	5.16E-08
2338	569954.97	4215588.43	5E-07	2.83E-07	7.84E-07	7.64E-08	4.31E-08	1.20E-07	3.45E-08	1.77E-08	5.22E-08
2339	569964.28	4215586.75	5.07E-07	2.87E-07	7.94E-07	7.74E-08	4.37E-08	1.21E-07	3.49E-08	1.80E-08	5.29E-08
2340	569973.6	4215585.08	5.13E-07	2.91E-07	8.04E-07	7.84E-08	4.42E-08	1.23E-07	3.54E-08	1.82E-08	5.36E-08
2341	569982.91	4215583.4	5.2E-07	2.95E-07	8.15E-07	7.95E-08	4.48E-08	1.24E-07	3.59E-08	1.85E-08	5.43E-08
2342	569992.23	4215581.73	5.28E-07	2.99E-07	8.27E-07	8.07E-08	4.55E-08	1.26E-07	3.64E-08	1.87E-08	5.51E-08
2343	570048.12	4215571.68	5.89E-07	3.34E-07	9.22E-07	8.99E-08	5.07E-08	1.41E-07	4.06E-08	2.09E-08	6.15E-08
2344	570057.43	4215570	6.01E-07	3.41E-07	9.42E-07	9.18E-08	5.18E-08	1.44E-07	4.14E-08	2.13E-08	6.28E-08
2345	570066.75	4215568.33	6.17E-07	3.49E-07	9.66E-07	9.41E-08	5.31E-08	1.47E-07	4.25E-08	2.19E-08	6.44E-08
2346	570076.07	4215566.65	6.33E-07	3.59E-07	9.92E-07	9.67E-08	5.46E-08	1.51E-07	4.36E-08	2.25E-08	6.61E-08
2347	570085.38	4215564.98	6.51E-07	3.69E-07	1.02E-06	9.94E-08	5.61E-08	1.55E-07	4.48E-08	2.31E-08	6.79E-08
2348	569919.72	4215600.97	4.58E-07	2.60E-07	7.18E-07	7.00E-08	3.95E-08	1.09E-07	3.16E-08	1.63E-08	4.78E-08
2349	569910.64	4215598.64	4.67E-07	2.65E-07	7.32E-07	7.13E-08	4.02E-08	1.12E-07	3.22E-08	1.66E-08	4.87E-08
2350	569901.57	4215596.3	4.76E-07	2.70E-07	7.45E-07	7.27E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.97E-08
2351	569892.5	4215593.97	4.85E-07	2.75E-07	7.60E-07	7.40E-08	4.18E-08	1.16E-07	3.34E-08	1.72E-08	5.06E-08
2352	569883.43	4215591.64	4.94E-07	2.80E-07	7.74E-07	7.54E-08	4.26E-08	1.18E-07	3.40E-08	1.75E-08	5.16E-08

2353	569874.35	4215589.31	5.03E-07	2.85E-07	7.87E-07	7.67E-08	4.33E-08	1.20E-07	3.46E-08	1.78E-08	5.25E-08
2354	569865.28	4215586.98	5.11E-07	2.90E-07	8.01E-07	7.81E-08	4.41E-08	1.22E-07	3.52E-08	1.81E-08	5.34E-08
2355	569856.21	4215584.65	5.2E-07	2.94E-07	8.14E-07	7.94E-08	4.48E-08	1.24E-07	3.58E-08	1.84E-08	5.43E-08
2356	569847.13	4215582.32	5.28E-07	2.99E-07	8.27E-07	8.06E-08	4.55E-08	1.26E-07	3.64E-08	1.87E-08	5.51E-08
2357	569838.06	4215579.99	5.36E-07	3.04E-07	8.40E-07	8.19E-08	4.62E-08	1.28E-07	3.69E-08	1.90E-08	5.60E-08
2358	569828.99	4215577.66	5.23E-07	2.96E-07	8.20E-07	7.99E-08	4.51E-08	1.25E-07	3.61E-08	1.86E-08	5.46E-08
2359	569819.91	4215575.33	5.28E-07	2.99E-07	8.27E-07	8.06E-08	4.55E-08	1.26E-07	3.64E-08	1.87E-08	5.51E-08
2360	569810.84	4215572.99	5.33E-07	3.02E-07	8.34E-07	8.13E-08	4.59E-08	1.27E-07	3.67E-08	1.89E-08	5.56E-08
2361	569801.77	4215570.66	5.38E-07	3.05E-07	8.42E-07	8.21E-08	4.63E-08	1.28E-07	3.70E-08	1.91E-08	5.61E-08
2362	569792.7	4215568.33	5.42E-07	3.07E-07	8.49E-07	8.28E-08	4.67E-08	1.30E-07	3.74E-08	1.92E-08	5.66E-08
2363	569928.79	4215603.3	4.5E-07	2.55E-07	7.05E-07	6.87E-08	3.88E-08	1.07E-07	3.10E-08	1.60E-08	4.70E-08
2364	569938.11	4215601.62	4.55E-07	2.58E-07	7.12E-07	6.94E-08	3.92E-08	1.09E-07	3.13E-08	1.61E-08	4.74E-08
2365	569947.42	4215599.95	4.6E-07	2.60E-07	7.20E-07	7.02E-08	3.96E-08	1.10E-07	3.17E-08	1.63E-08	4.80E-08
2366	569956.74	4215598.27	4.65E-07	2.63E-07	7.28E-07	7.10E-08	4.01E-08	1.11E-07	3.20E-08	1.65E-08	4.85E-08
2367	569966.05	4215596.6	4.71E-07	2.67E-07	7.37E-07	7.19E-08	4.06E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
2368	569975.37	4215594.92	4.76E-07	2.70E-07	7.46E-07	7.27E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.97E-08
2369	570031.26	4215584.87	5.22E-07	2.96E-07	8.18E-07	7.97E-08	4.50E-08	1.25E-07	3.60E-08	1.85E-08	5.45E-08
2370	570040.57	4215583.19	5.32E-07	3.02E-07	8.34E-07	8.13E-08	4.59E-08	1.27E-07	3.67E-08	1.89E-08	5.56E-08
2371	570049.89	4215581.52	5.43E-07	3.08E-07	8.51E-07	8.29E-08	4.68E-08	1.30E-07	3.74E-08	1.93E-08	5.67E-08
2372	570059.2	4215579.84	5.55E-07	3.14E-07	8.70E-07	8.48E-08	4.78E-08	1.33E-07	3.83E-08	1.97E-08	5.79E-08
2373	570068.52	4215578.17	5.69E-07	3.22E-07	8.91E-07	8.69E-08	4.90E-08	1.36E-07	3.92E-08	2.02E-08	5.94E-08
2374	570077.84	4215576.49	5.84E-07	3.31E-07	9.15E-07	8.92E-08	5.03E-08	1.39E-07	4.02E-08	2.07E-08	6.10E-08
2375	570087.15	4215574.82	6E-07	3.40E-07	9.40E-07	9.16E-08	5.17E-08	1.43E-07	4.13E-08	2.13E-08	6.26E-08
2376	569921.55	4215610.82	4.28E-07	2.42E-07	6.70E-07	6.53E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
2377	569912.53	4215608.51	4.36E-07	2.47E-07	6.83E-07	6.66E-08	3.76E-08	1.04E-07	3.00E-08	1.55E-08	4.55E-08
2378	569903.52	4215606.19	4.44E-07	2.51E-07	6.95E-07	6.78E-08	3.83E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
2379	569894.51	4215603.88	4.52E-07	2.56E-07	7.08E-07	6.90E-08	3.90E-08	1.08E-07	3.12E-08	1.60E-08	4.72E-08
2380	569885.49	4215601.56	4.6E-07	2.61E-07	7.21E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
2381	569876.48	4215599.25	4.69E-07	2.66E-07	7.34E-07	7.16E-08	4.04E-08	1.12E-07	3.23E-08	1.66E-08	4.89E-08
2382	569867.46	4215596.93	4.77E-07	2.70E-07	7.47E-07	7.28E-08	4.11E-08	1.14E-07	3.29E-08	1.69E-08	4.98E-08
2383	569858.45	4215594.61	4.85E-07	2.75E-07	7.60E-07	7.41E-08	4.18E-08	1.16E-07	3.34E-08	1.72E-08	5.06E-08
2384	569849.44	4215592.3	4.93E-07	2.79E-07	7.72E-07	7.53E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.14E-08
2385	569840.42	4215589.98	5.01E-07	2.84E-07	7.84E-07	7.64E-08	4.31E-08	1.20E-07	3.45E-08	1.78E-08	5.23E-08
2386	569831.41	4215587.67	5.08E-07	2.88E-07	7.96E-07	7.76E-08	4.38E-08	1.21E-07	3.50E-08	1.80E-08	5.30E-08
2387	569822.4	4215585.35	4.94E-07	2.80E-07	7.75E-07	7.55E-08	4.26E-08	1.18E-07	3.41E-08	1.75E-08	5.16E-08
2388	569813.38	4215583.04	4.98E-07	2.82E-07	7.81E-07	7.61E-08	4.29E-08	1.19E-07	3.43E-08	1.77E-08	5.20E-08
2389	569804.37	4215580.72	5.04E-07	2.85E-07	7.89E-07	7.69E-08	4.34E-08	1.20E-07	3.47E-08	1.79E-08	5.26E-08
2390	569795.35	4215578.4	5.08E-07	2.88E-07	7.96E-07	7.76E-08	4.38E-08	1.21E-07	3.50E-08	1.80E-08	5.31E-08
2391	569786.34	4215576.09	5.13E-07	2.91E-07	8.04E-07	7.83E-08	4.42E-08	1.23E-07	3.54E-08	1.82E-08	5.36E-08
2392	569930.56	4215613.14	4.2E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
2393	569939.88	4215611.46	4.24E-07	2.40E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.92E-08	1.50E-08	4.43E-08
2394	569949.19	4215609.79	4.29E-07	2.43E-07	6.72E-07	6.55E-08	3.69E-08	1.02E-07	2.95E-08	1.52E-08	4.47E-08
2395	570005.08	4215599.74	4.61E-07	2.61E-07	7.22E-07	7.04E-08	3.97E-08	1.10E-07	3.18E-08	1.64E-08	4.81E-08
2396	570014.4	4215598.06	4.68E-07	2.65E-07	7.33E-07	7.14E-08	4.03E-08	1.12E-07	3.22E-08	1.66E-08	4.88E-08
2397	570023.71	4215596.39	4.75E-07	2.69E-07	7.44E-07	7.26E-08	4.09E-08	1.14E-07	3.27E-08	1.69E-08	4.96E-08
2398	570033.03	4215594.71	4.84E-07	2.74E-07	7.59E-07	7.39E-08	4.17E-08	1.16E-07	3.34E-08	1.72E-08	5.05E-08
2399	570042.34	4215593.04	4.94E-07	2.80E-07	7.74E-07	7.54E-08	4.25E-08	1.18E-07	3.40E-08	1.75E-08	5.15E-08
2400	570051.66	4215591.36	5.04E-07	2.85E-07	7.89E-07	7.69E-08	4.34E-08	1.20E-07	3.47E-08	1.79E-08	5.26E-08
2401	570060.97	4215589.69	5.15E-07	2.92E-07	8.07E-07	7.87E-08	4.44E-08	1.23E-07	3.55E-08	1.83E-08	5.38E-08
2402	570070.29	4215588.01	5.27E-07	2.99E-07	8.26E-07	8.05E-08	4.55E-08	1.26E-07	3.63E-08	1.87E-08	5.51E-08
2403	570079.61	4215586.34	5.41E-07	3.06E-07	8.47E-07	8.26E-08	4.66E-08	1.29E-07	3.73E-08	1.92E-08	5.64E-08
2404	570088.92	4215584.66	5.55E-07	3.15E-07	8.70E-07	8.48E-08	4.79E-08	1.33E-07	3.83E-08	1.97E-08	5.80E-08
2405	569923.37	4215620.68	4.01E-07	2.27E-07	6.28E-07	6.12E-08	3.45E-08	9.57E-08	2.76E-08	1.42E-08	4.18E-08
2406	569914.41	4215618.38	4.08E-07	2.31E-07	6.39E-07	6.23E-08	3.51E-08	9.74E-08	2.81E-08	1.45E-08	4.26E-08
2407	569905.45	4215616.08	4.15E-07	2.35E-07	6.50E-07	6.34E-08	3.58E-08	9.92E-08	2.86E-08	1.47E-08	4.33E-08
2408	569896.49	4215613.77	4.23E-07	2.39E-07	6.62E-07	6.45E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
2409	569887.53	4215611.47	4.3E-07	2.44E-07	6.74E-07	6.57E-08	3.71E-08	1.03E-07	2.96E-08	1.53E-08	4.49E-08
2410	569878.56	4215609.17	4.38E-07	2.48E-07	6.86E-07	6.68E-08	3.77E-08	1.05E-07	3.02E-08	1.55E-08	4.57E-08
2411	569869.6	4215606.87	4.46E-07	2.52E-07	6.98E-07	6.80E-08	3.84E-08	1.06E-07	3.07E-08	1.58E-08	4.65E-08
2412	569860.64	4215604.56	4.53E-07	2.57E-07	7.10E-07	6.92E-08	3.91E-08	1.08E-07	3.12E-08	1.61E-08	4.73E-08
2413	569851.68	4215602.26	4.61E-07	2.61E-07	7.22E-07	7.04E-08	3.97E-08	1.10E-07	3.18E-08	1.63E-08	4.81E-08
2414	569842.72	4215599.96	4.68E-07	2.65E-07	7.33E-07	7.15E-08	4.03E-08	1.12E-07	3.23E-08	1.66E-08	4.89E-08

2415	569833.76	4215597.66	4.75E-07	2.69E-07	7.45E-07	7.26E-08	4.10E-08	1.14E-07	3.28E-08	1.69E-08	4.96E-08
2416	569824.8	4215595.36	4.82E-07	2.73E-07	7.56E-07	7.37E-08	4.16E-08	1.15E-07	3.32E-08	1.71E-08	5.04E-08
2417	569815.84	4215593.05	4.68E-07	2.65E-07	7.34E-07	7.15E-08	4.04E-08	1.12E-07	3.23E-08	1.66E-08	4.89E-08
2418	569806.88	4215590.75	4.73E-07	2.68E-07	7.40E-07	7.22E-08	4.07E-08	1.13E-07	3.26E-08	1.68E-08	4.93E-08
2419	569797.92	4215588.45	4.77E-07	2.70E-07	7.48E-07	7.29E-08	4.11E-08	1.14E-07	3.29E-08	1.69E-08	4.98E-08
2420	569788.95	4215586.15	4.82E-07	2.73E-07	7.55E-07	7.36E-08	4.15E-08	1.15E-07	3.32E-08	1.71E-08	5.03E-08
2421	569932.33	4215622.98	3.94E-07	2.23E-07	6.17E-07	6.02E-08	3.39E-08	9.41E-08	2.71E-08	1.40E-08	4.11E-08
2422	569988.22	4215612.93	4.2E-07	2.38E-07	6.57E-07	6.41E-08	3.62E-08	1.00E-07	2.89E-08	1.49E-08	4.38E-08
2423	569997.54	4215611.25	4.25E-07	2.41E-07	6.65E-07	6.49E-08	3.66E-08	1.01E-07	2.93E-08	1.51E-08	4.43E-08
2424	570006.85	4215609.58	4.3E-07	2.44E-07	6.74E-07	6.57E-08	3.70E-08	1.03E-07	2.96E-08	1.53E-08	4.49E-08
2425	570016.17	4215607.9	4.36E-07	2.47E-07	6.83E-07	6.65E-08	3.76E-08	1.04E-07	3.00E-08	1.55E-08	4.55E-08
2426	570025.48	4215606.23	4.42E-07	2.51E-07	6.93E-07	6.76E-08	3.81E-08	1.06E-07	3.05E-08	1.57E-08	4.62E-08
2427	570034.8	4215604.55	4.51E-07	2.56E-07	7.07E-07	6.89E-08	3.89E-08	1.08E-07	3.11E-08	1.60E-08	4.71E-08
2428	570044.11	4215602.88	4.6E-07	2.61E-07	7.21E-07	7.03E-08	3.97E-08	1.10E-07	3.17E-08	1.63E-08	4.81E-08
2429	570053.43	4215601.2	4.7E-07	2.66E-07	7.37E-07	7.18E-08	4.05E-08	1.12E-07	3.24E-08	1.67E-08	4.91E-08
2430	570062.74	4215599.53	4.81E-07	2.72E-07	7.53E-07	7.34E-08	4.14E-08	1.15E-07	3.31E-08	1.71E-08	5.02E-08
2431	570072.06	4215597.85	4.92E-07	2.79E-07	7.71E-07	7.52E-08	4.24E-08	1.18E-07	3.39E-08	1.75E-08	5.14E-08
2432	570081.38	4215596.18	5.05E-07	2.86E-07	7.90E-07	7.70E-08	4.35E-08	1.21E-07	3.48E-08	1.79E-08	5.27E-08
2433	570090.69	4215594.5	5.18E-07	2.94E-07	8.12E-07	7.91E-08	4.46E-08	1.24E-07	3.57E-08	1.84E-08	5.41E-08
2434	569925.19	4215630.53	3.77E-07	2.13E-07	5.90E-07	5.75E-08	3.25E-08	9.00E-08	2.60E-08	1.34E-08	3.93E-08
2435	569916.27	4215628.24	3.83E-07	2.17E-07	6.00E-07	5.85E-08	3.30E-08	9.15E-08	2.64E-08	1.36E-08	4.00E-08
2436	569907.36	4215625.95	3.9E-07	2.21E-07	6.10E-07	5.95E-08	3.36E-08	9.31E-08	2.69E-08	1.38E-08	4.07E-08
2437	569898.45	4215623.66	3.96E-07	2.25E-07	6.21E-07	6.05E-08	3.42E-08	9.47E-08	2.73E-08	1.41E-08	4.14E-08
2438	569889.53	4215621.37	4.03E-07	2.28E-07	6.31E-07	6.15E-08	3.47E-08	9.63E-08	2.78E-08	1.43E-08	4.21E-08
2439	569880.62	4215619.08	4.1E-07	2.32E-07	6.42E-07	6.26E-08	3.53E-08	9.79E-08	2.82E-08	1.45E-08	4.28E-08
2440	569871.7	4215616.79	4.17E-07	2.36E-07	6.53E-07	6.36E-08	3.59E-08	9.96E-08	2.87E-08	1.48E-08	4.35E-08
2441	569862.79	4215614.5	4.24E-07	2.40E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.92E-08	1.51E-08	4.43E-08
2442	569853.88	4215612.21	4.31E-07	2.44E-07	6.76E-07	6.59E-08	3.72E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
2443	569844.96	4215609.92	4.38E-07	2.48E-07	6.87E-07	6.70E-08	3.78E-08	1.05E-07	3.02E-08	1.56E-08	4.58E-08
2444	569836.05	4215607.63	4.45E-07	2.52E-07	6.98E-07	6.80E-08	3.84E-08	1.06E-07	3.07E-08	1.58E-08	4.65E-08
2445	569827.13	4215605.34	4.52E-07	2.56E-07	7.08E-07	6.90E-08	3.90E-08	1.08E-07	3.12E-08	1.60E-08	4.72E-08
2446	569818.22	4215603.05	4.41E-07	2.50E-07	6.91E-07	6.74E-08	3.80E-08	1.05E-07	3.04E-08	1.57E-08	4.61E-08
2447	569809.31	4215600.76	4.45E-07	2.52E-07	6.97E-07	6.80E-08	3.84E-08	1.06E-07	3.07E-08	1.58E-08	4.65E-08
2448	569800.39	4215598.47	4.49E-07	2.55E-07	7.04E-07	6.86E-08	3.87E-08	1.07E-07	3.10E-08	1.59E-08	4.69E-08
2449	569791.48	4215596.18	4.54E-07	2.57E-07	7.11E-07	6.93E-08	3.91E-08	1.08E-07	3.13E-08	1.61E-08	4.74E-08
2450	569971.36	4215626.12	3.84E-07	2.18E-07	6.02E-07	5.87E-08	3.31E-08	9.18E-08	2.65E-08	1.36E-08	4.01E-08
2451	569980.68	4215624.45	3.88E-07	2.20E-07	6.08E-07	5.93E-08	3.35E-08	9.28E-08	2.68E-08	1.38E-08	4.05E-08
2452	569989.99	4215622.77	3.93E-07	2.23E-07	6.16E-07	6.00E-08	3.39E-08	9.39E-08	2.71E-08	1.39E-08	4.10E-08
2453	569999.31	4215621.1	3.98E-07	2.25E-07	6.23E-07	6.07E-08	3.43E-08	9.50E-08	2.74E-08	1.41E-08	4.15E-08
2454	570008.62	4215619.42	4.03E-07	2.28E-07	6.31E-07	6.15E-08	3.47E-08	9.62E-08	2.77E-08	1.43E-08	4.20E-08
2455	570017.94	4215617.75	4.08E-07	2.31E-07	6.39E-07	6.22E-08	3.51E-08	9.74E-08	2.81E-08	1.45E-08	4.25E-08
2456	570027.25	4215616.07	4.14E-07	2.34E-07	6.48E-07	6.32E-08	3.56E-08	9.88E-08	2.85E-08	1.47E-08	4.32E-08
2457	570036.57	4215614.4	4.22E-07	2.39E-07	6.61E-07	6.44E-08	3.64E-08	1.01E-07	2.91E-08	1.50E-08	4.41E-08
2458	570045.88	4215612.72	4.31E-07	2.44E-07	6.75E-07	6.58E-08	3.71E-08	1.03E-07	2.97E-08	1.53E-08	4.50E-08
2459	570055.2	4215611.05	4.41E-07	2.50E-07	6.90E-07	6.73E-08	3.80E-08	1.05E-07	3.04E-08	1.56E-08	4.60E-08
2460	570064.51	4215609.37	4.5E-07	2.55E-07	7.05E-07	6.88E-08	3.88E-08	1.08E-07	3.10E-08	1.60E-08	4.70E-08
2461	570073.83	4215607.69	4.61E-07	2.61E-07	7.22E-07	7.04E-08	3.97E-08	1.10E-07	3.18E-08	1.64E-08	4.81E-08
2462	570083.15	4215606.02	4.72E-07	2.68E-07	7.40E-07	7.21E-08	4.07E-08	1.13E-07	3.26E-08	1.68E-08	4.93E-08
2463	570092.46	4215604.34	4.85E-07	2.75E-07	7.60E-07	7.41E-08	4.18E-08	1.16E-07	3.35E-08	1.72E-08	5.07E-08
2464	569909.26	4215635.83	3.67E-07	2.08E-07	5.74E-07	5.60E-08	3.16E-08	8.76E-08	2.53E-08	1.30E-08	3.83E-08
2465	569900.39	4215633.55	3.73E-07	2.11E-07	5.84E-07	5.69E-08	3.21E-08	8.90E-08	2.57E-08	1.32E-08	3.89E-08
2466	569891.51	4215631.27	3.79E-07	2.15E-07	5.93E-07	5.79E-08	3.26E-08	9.05E-08	2.61E-08	1.34E-08	3.95E-08
2467	569882.64	4215628.99	3.85E-07	2.18E-07	6.03E-07	5.88E-08	3.32E-08	9.20E-08	2.65E-08	1.37E-08	4.02E-08
2468	569873.77	4215626.71	3.92E-07	2.22E-07	6.13E-07	5.98E-08	3.37E-08	9.35E-08	2.70E-08	1.39E-08	4.09E-08
2469	569864.9	4215624.43	3.98E-07	2.26E-07	6.24E-07	6.08E-08	3.43E-08	9.51E-08	2.74E-08	1.41E-08	4.16E-08
2470	569856.03	4215622.15	4.05E-07	2.29E-07	6.34E-07	6.18E-08	3.49E-08	9.67E-08	2.79E-08	1.44E-08	4.22E-08
2471	569847.16	4215619.87	4.11E-07	2.33E-07	6.44E-07	6.28E-08	3.54E-08	9.83E-08	2.83E-08	1.46E-08	4.29E-08
2472	569838.29	4215617.6	4.18E-07	2.37E-07	6.55E-07	6.38E-08	3.60E-08	9.98E-08	2.88E-08	1.48E-08	4.36E-08
2473	569829.41	4215615.32	4.24E-07	2.40E-07	6.65E-07	6.48E-08	3.66E-08	1.01E-07	2.92E-08	1.50E-08	4.43E-08
2474	569820.54	4215613.04	4.31E-07	2.44E-07	6.75E-07	6.58E-08	3.71E-08	1.03E-07	2.97E-08	1.53E-08	4.49E-08
2475	569811.67	4215610.76	4.2E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
2476	569802.8	4215608.48	4.24E-07	2.40E-07	6.64E-07	6.47E-08	3.65E-08	1.01E-07	2.92E-08	1.50E-08	4.42E-08

2477	569945.19	4215640.99	3.52E-07	1.99E-07	5.51E-07	5.37E-08	3.03E-08	8.40E-08	2.42E-08	1.25E-08	3.67E-08
2478	569954.5	4215639.32	3.55E-07	2.01E-07	5.55E-07	5.41E-08	3.06E-08	8.47E-08	2.44E-08	1.26E-08	3.70E-08
2479	569963.82	4215637.64	3.58E-07	2.03E-07	5.60E-07	5.46E-08	3.08E-08	8.54E-08	2.46E-08	1.27E-08	3.73E-08
2480	569973.13	4215635.97	3.61E-07	2.05E-07	5.66E-07	5.51E-08	3.11E-08	8.63E-08	2.49E-08	1.28E-08	3.77E-08
2481	569982.45	4215634.29	3.65E-07	2.07E-07	5.72E-07	5.57E-08	3.14E-08	8.72E-08	2.52E-08	1.29E-08	3.81E-08
2482	569991.76	4215632.61	3.69E-07	2.09E-07	5.78E-07	5.64E-08	3.18E-08	8.82E-08	2.54E-08	1.31E-08	3.85E-08
2483	570001.08	4215630.94	3.74E-07	2.12E-07	5.86E-07	5.71E-08	3.22E-08	8.93E-08	2.58E-08	1.33E-08	3.90E-08
2484	570010.39	4215629.26	3.79E-07	2.15E-07	5.93E-07	5.78E-08	3.26E-08	9.04E-08	2.61E-08	1.34E-08	3.95E-08
2485	570019.71	4215627.59	3.84E-07	2.17E-07	6.01E-07	5.86E-08	3.31E-08	9.17E-08	2.64E-08	1.36E-08	4.01E-08
2486	570029.02	4215625.91	3.9E-07	2.21E-07	6.11E-07	5.95E-08	3.36E-08	9.31E-08	2.69E-08	1.38E-08	4.07E-08
2487	570038.34	4215624.24	3.97E-07	2.25E-07	6.22E-07	6.07E-08	3.42E-08	9.49E-08	2.74E-08	1.41E-08	4.15E-08
2488	570047.65	4215622.56	4.05E-07	2.30E-07	6.35E-07	6.19E-08	3.49E-08	9.68E-08	2.79E-08	1.44E-08	4.23E-08
2489	570056.97	4215620.89	4.14E-07	2.35E-07	6.48E-07	6.32E-08	3.57E-08	9.89E-08	2.85E-08	1.47E-08	4.32E-08
2490	570066.28	4215619.21	4.23E-07	2.40E-07	6.63E-07	6.46E-08	3.65E-08	1.01E-07	2.92E-08	1.50E-08	4.42E-08
2491	570075.6	4215617.54	4.33E-07	2.45E-07	6.78E-07	6.61E-08	3.73E-08	1.03E-07	2.98E-08	1.54E-08	4.52E-08
2492	570084.92	4215615.86	4.44E-07	2.51E-07	6.95E-07	6.78E-08	3.82E-08	1.06E-07	3.06E-08	1.57E-08	4.63E-08
2493	570094.23	4215614.19	4.56E-07	2.58E-07	7.15E-07	6.97E-08	3.93E-08	1.09E-07	3.14E-08	1.62E-08	4.76E-08
2494	569902.31	4215643.43	3.51E-07	1.99E-07	5.50E-07	5.36E-08	3.03E-08	8.39E-08	2.42E-08	1.25E-08	3.66E-08
2495	569893.48	4215641.16	3.57E-07	2.02E-07	5.59E-07	5.45E-08	3.07E-08	8.52E-08	2.46E-08	1.27E-08	3.72E-08
2496	569884.64	4215638.89	3.62E-07	2.05E-07	5.68E-07	5.53E-08	3.12E-08	8.66E-08	2.50E-08	1.29E-08	3.78E-08
2497	569875.81	4215636.62	3.68E-07	2.09E-07	5.77E-07	5.62E-08	3.17E-08	8.80E-08	2.54E-08	1.31E-08	3.84E-08
2498	569866.98	4215634.35	3.74E-07	2.12E-07	5.86E-07	5.72E-08	3.23E-08	8.94E-08	2.58E-08	1.33E-08	3.91E-08
2499	569858.14	4215632.08	3.8E-07	2.16E-07	5.96E-07	5.81E-08	3.28E-08	9.09E-08	2.62E-08	1.35E-08	3.97E-08
2500	569849.31	4215629.82	3.87E-07	2.19E-07	6.06E-07	5.90E-08	3.33E-08	9.23E-08	2.66E-08	1.37E-08	4.03E-08
2501	569840.48	4215627.55	3.93E-07	2.22E-07	6.15E-07	6.00E-08	3.38E-08	9.38E-08	2.71E-08	1.39E-08	4.10E-08
2502	569831.64	4215625.28	3.99E-07	2.26E-07	6.25E-07	6.09E-08	3.44E-08	9.52E-08	2.75E-08	1.41E-08	4.16E-08
2503	569822.81	4215623.01	4.05E-07	2.29E-07	6.34E-07	6.18E-08	3.49E-08	9.67E-08	2.79E-08	1.44E-08	4.22E-08
2504	569813.98	4215620.74	4.11E-07	2.33E-07	6.43E-07	6.27E-08	3.54E-08	9.81E-08	2.83E-08	1.46E-08	4.29E-08
2505	569937.64	4215652.51	3.3E-07	1.87E-07	5.17E-07	5.04E-08	2.84E-08	7.88E-08	2.27E-08	1.17E-08	3.44E-08
2506	569946.96	4215650.83	3.32E-07	1.88E-07	5.20E-07	5.07E-08	2.86E-08	7.93E-08	2.29E-08	1.18E-08	3.47E-08
2507	569956.27	4215649.16	3.35E-07	1.90E-07	5.24E-07	5.11E-08	2.88E-08	7.99E-08	2.31E-08	1.19E-08	3.49E-08
2508	569965.59	4215647.48	3.37E-07	1.91E-07	5.28E-07	5.15E-08	2.91E-08	8.05E-08	2.32E-08	1.20E-08	3.52E-08
2509	569974.9	4215645.81	3.4E-07	1.93E-07	5.33E-07	5.20E-08	2.93E-08	8.13E-08	2.35E-08	1.21E-08	3.55E-08
2510	569984.22	4215644.13	3.44E-07	1.95E-07	5.39E-07	5.25E-08	2.96E-08	8.21E-08	2.37E-08	1.22E-08	3.59E-08
2511	569993.53	4215642.46	3.48E-07	1.97E-07	5.45E-07	5.31E-08	3.00E-08	8.31E-08	2.40E-08	1.23E-08	3.63E-08
2512	570002.85	4215640.78	3.52E-07	2.00E-07	5.52E-07	5.38E-08	3.04E-08	8.42E-08	2.43E-08	1.25E-08	3.68E-08
2513	570012.16	4215639.11	3.57E-07	2.02E-07	5.60E-07	5.46E-08	3.08E-08	8.53E-08	2.46E-08	1.27E-08	3.73E-08
2514	570021.48	4215637.43	3.63E-07	2.05E-07	5.68E-07	5.54E-08	3.12E-08	8.66E-08	2.50E-08	1.29E-08	3.78E-08
2515	570030.79	4215635.76	3.68E-07	2.09E-07	5.77E-07	5.63E-08	3.17E-08	8.80E-08	2.54E-08	1.31E-08	3.85E-08
2516	570040.11	4215634.08	3.75E-07	2.12E-07	5.87E-07	5.73E-08	3.23E-08	8.96E-08	2.58E-08	1.33E-08	3.91E-08
2517	570049.42	4215632.4	3.82E-07	2.17E-07	5.99E-07	5.84E-08	3.29E-08	9.13E-08	2.63E-08	1.36E-08	3.99E-08
2518	570058.74	4215630.73	3.9E-07	2.21E-07	6.11E-07	5.96E-08	3.36E-08	9.32E-08	2.69E-08	1.38E-08	4.07E-08
2519	570068.05	4215629.05	3.99E-07	2.26E-07	6.24E-07	6.09E-08	3.43E-08	9.52E-08	2.75E-08	1.41E-08	4.16E-08
2520	570077.37	4215627.38	4.08E-07	2.31E-07	6.39E-07	6.23E-08	3.51E-08	9.74E-08	2.81E-08	1.45E-08	4.26E-08
2521	570086.69	4215625.7	4.18E-07	2.37E-07	6.55E-07	6.38E-08	3.60E-08	9.98E-08	2.88E-08	1.48E-08	4.36E-08
2522	570096	4215624.03	4.29E-07	2.43E-07	6.73E-07	6.56E-08	3.70E-08	1.03E-07	2.96E-08	1.52E-08	4.48E-08
2523	569930.61	4215660.09	3.17E-07	1.79E-07	4.96E-07	4.84E-08	2.73E-08	7.57E-08	2.18E-08	1.12E-08	3.31E-08
2524	569921.81	4215657.83	3.21E-07	1.82E-07	5.04E-07	4.91E-08	2.77E-08	7.68E-08	2.22E-08	1.14E-08	3.36E-08
2525	569895.42	4215651.05	3.36E-07	1.91E-07	5.27E-07	5.14E-08	2.90E-08	8.04E-08	2.32E-08	1.19E-08	3.51E-08
2526	569886.62	4215648.79	3.42E-07	1.94E-07	5.35E-07	5.22E-08	2.94E-08	8.16E-08	2.35E-08	1.21E-08	3.57E-08
2527	569877.82	4215646.53	3.47E-07	1.97E-07	5.44E-07	5.30E-08	2.99E-08	8.29E-08	2.39E-08	1.23E-08	3.62E-08
2528	569869.03	4215644.27	3.53E-07	2.00E-07	5.52E-07	5.38E-08	3.04E-08	8.42E-08	2.43E-08	1.25E-08	3.68E-08
2529	569860.23	4215642.01	3.58E-07	2.03E-07	5.61E-07	5.47E-08	3.09E-08	8.56E-08	2.47E-08	1.27E-08	3.74E-08
2530	569851.43	4215639.75	3.64E-07	2.06E-07	5.70E-07	5.56E-08	3.14E-08	8.69E-08	2.51E-08	1.29E-08	3.80E-08
2531	569842.63	4215637.49	3.7E-07	2.09E-07	5.79E-07	5.64E-08	3.18E-08	8.83E-08	2.55E-08	1.31E-08	3.86E-08
2532	569833.83	4215635.23	3.75E-07	2.13E-07	5.88E-07	5.73E-08	3.23E-08	8.96E-08	2.59E-08	1.33E-08	3.92E-08
2533	569816.24	4215630.71	3.87E-07	2.19E-07	6.06E-07	5.90E-08	3.33E-08	9.23E-08	2.66E-08	1.37E-08	4.03E-08
2534	569939.41	4215662.35	3.12E-07	1.77E-07	4.89E-07	4.77E-08	2.69E-08	7.46E-08	2.15E-08	1.11E-08	3.26E-08
2535	569948.73	4215660.68	3.14E-07	1.78E-07	4.92E-07	4.80E-08	2.71E-08	7.51E-08	2.17E-08	1.11E-08	3.28E-08
2536	569958.04	4215659	3.16E-07	1.79E-07	4.96E-07	4.83E-08	2.73E-08	7.56E-08	2.18E-08	1.12E-08	3.30E-08
2537	569967.36	4215657.32	3.19E-07	1.81E-07	5.00E-07	4.87E-08	2.75E-08	7.62E-08	2.20E-08	1.13E-08	3.33E-08
2538	569976.67	4215655.65	3.22E-07	1.82E-07	5.04E-07	4.92E-08	2.77E-08	7.69E-08	2.22E-08	1.14E-08	3.36E-08

2539	569985.99	4215653.97	3.25E-07	1.84E-07	5.09E-07	4.96E-08	2.80E-08	7.77E-08	2.24E-08	1.15E-08	3.39E-08
2540	569995.3	4215652.3	3.29E-07	1.86E-07	5.15E-07	5.02E-08	2.83E-08	7.85E-08	2.27E-08	1.17E-08	3.43E-08
2541	570004.62	4215650.62	3.33E-07	1.89E-07	5.22E-07	5.09E-08	2.87E-08	7.96E-08	2.30E-08	1.18E-08	3.48E-08
2542	570013.93	4215648.95	3.38E-07	1.91E-07	5.29E-07	5.16E-08	2.91E-08	8.07E-08	2.33E-08	1.20E-08	3.53E-08
2543	570023.25	4215647.27	3.43E-07	1.95E-07	5.38E-07	5.24E-08	2.96E-08	8.20E-08	2.37E-08	1.22E-08	3.58E-08
2544	570032.56	4215645.6	3.49E-07	1.98E-07	5.47E-07	5.33E-08	3.01E-08	8.33E-08	2.40E-08	1.24E-08	3.64E-08
2545	570041.88	4215643.92	3.55E-07	2.01E-07	5.56E-07	5.42E-08	3.06E-08	8.48E-08	2.45E-08	1.26E-08	3.70E-08
2546	570051.19	4215642.25	3.61E-07	2.05E-07	5.66E-07	5.52E-08	3.11E-08	8.63E-08	2.49E-08	1.28E-08	3.77E-08
2547	570060.51	4215640.57	3.69E-07	2.09E-07	5.78E-07	5.63E-08	3.18E-08	8.81E-08	2.54E-08	1.31E-08	3.85E-08
2548	570069.83	4215638.9	3.77E-07	2.13E-07	5.90E-07	5.75E-08	3.24E-08	8.99E-08	2.59E-08	1.34E-08	3.93E-08
2549	570079.14	4215637.22	3.85E-07	2.18E-07	6.03E-07	5.88E-08	3.32E-08	9.20E-08	2.65E-08	1.37E-08	4.02E-08
2550	570088.46	4215635.55	3.94E-07	2.23E-07	6.18E-07	6.02E-08	3.40E-08	9.42E-08	2.72E-08	1.40E-08	4.12E-08
2551	570097.77	4215633.87	4.05E-07	2.29E-07	6.34E-07	6.18E-08	3.49E-08	9.67E-08	2.79E-08	1.44E-08	4.23E-08
2552	569932.02	4215669.84	3E-07	1.70E-07	4.71E-07	4.59E-08	2.59E-08	7.17E-08	2.07E-08	1.07E-08	3.14E-08
2553	569922.85	4215667.48	3.05E-07	1.73E-07	4.77E-07	4.65E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08
2554	569913.69	4215665.13	3.09E-07	1.75E-07	4.85E-07	4.72E-08	2.67E-08	7.39E-08	2.13E-08	1.10E-08	3.23E-08
2555	569877.03	4215655.71	3.3E-07	1.87E-07	5.16E-07	5.03E-08	2.84E-08	7.87E-08	2.27E-08	1.17E-08	3.44E-08
2556	569867.86	4215653.36	3.35E-07	1.90E-07	5.24E-07	5.11E-08	2.88E-08	8.00E-08	2.31E-08	1.19E-08	3.49E-08
2557	569858.7	4215651	3.4E-07	1.93E-07	5.33E-07	5.19E-08	2.93E-08	8.13E-08	2.34E-08	1.21E-08	3.55E-08
2558	569849.53	4215648.65	3.46E-07	1.96E-07	5.41E-07	5.28E-08	2.98E-08	8.26E-08	2.38E-08	1.23E-08	3.61E-08
2559	569840.37	4215646.29	3.51E-07	1.99E-07	5.50E-07	5.36E-08	3.03E-08	8.39E-08	2.42E-08	1.25E-08	3.67E-08
2560	569831.2	4215643.94	3.57E-07	2.02E-07	5.59E-07	5.45E-08	3.07E-08	8.52E-08	2.46E-08	1.27E-08	3.72E-08
2561	569941.18	4215672.19	2.96E-07	1.68E-07	4.64E-07	4.52E-08	2.55E-08	7.07E-08	2.04E-08	1.05E-08	3.09E-08
2562	569950.5	4215670.52	2.98E-07	1.69E-07	4.67E-07	4.55E-08	2.57E-08	7.12E-08	2.05E-08	1.06E-08	3.11E-08
2563	569959.81	4215668.84	3E-07	1.70E-07	4.70E-07	4.58E-08	2.58E-08	7.17E-08	2.07E-08	1.06E-08	3.13E-08
2564	569969.13	4215667.17	3.02E-07	1.71E-07	4.74E-07	4.62E-08	2.61E-08	7.22E-08	2.08E-08	1.07E-08	3.16E-08
2565	569978.44	4215665.49	3.05E-07	1.73E-07	4.78E-07	4.66E-08	2.63E-08	7.29E-08	2.10E-08	1.08E-08	3.19E-08
2566	569987.76	4215663.82	3.08E-07	1.75E-07	4.83E-07	4.71E-08	2.66E-08	7.36E-08	2.12E-08	1.09E-08	3.22E-08
2567	569997.07	4215662.14	3.12E-07	1.77E-07	4.88E-07	4.76E-08	2.68E-08	7.44E-08	2.15E-08	1.11E-08	3.25E-08
2568	570006.39	4215660.47	3.16E-07	1.79E-07	4.94E-07	4.82E-08	2.72E-08	7.54E-08	2.17E-08	1.12E-08	3.29E-08
2569	570015.7	4215658.79	3.2E-07	1.81E-07	5.01E-07	4.88E-08	2.76E-08	7.64E-08	2.20E-08	1.13E-08	3.34E-08
2570	570025.02	4215657.11	3.25E-07	1.84E-07	5.09E-07	4.96E-08	2.80E-08	7.76E-08	2.24E-08	1.15E-08	3.39E-08
2571	570034.33	4215655.44	3.3E-07	1.87E-07	5.17E-07	5.04E-08	2.84E-08	7.88E-08	2.27E-08	1.17E-08	3.45E-08
2572	570043.65	4215653.76	3.36E-07	1.90E-07	5.26E-07	5.13E-08	2.89E-08	8.02E-08	2.31E-08	1.19E-08	3.51E-08
2573	570052.96	4215652.09	3.42E-07	1.94E-07	5.36E-07	5.22E-08	2.95E-08	8.17E-08	2.36E-08	1.21E-08	3.57E-08
2574	570062.28	4215650.41	3.49E-07	1.98E-07	5.47E-07	5.33E-08	3.01E-08	8.33E-08	2.40E-08	1.24E-08	3.64E-08
2575	570071.6	4215648.74	3.56E-07	2.02E-07	5.58E-07	5.44E-08	3.07E-08	8.51E-08	2.46E-08	1.26E-08	3.72E-08
2576	570080.91	4215647.06	3.64E-07	2.06E-07	5.71E-07	5.56E-08	3.14E-08	8.70E-08	2.51E-08	1.29E-08	3.80E-08
2577	570090.23	4215645.39	3.73E-07	2.11E-07	5.85E-07	5.70E-08	3.22E-08	8.91E-08	2.57E-08	1.32E-08	3.89E-08
2578	570099.54	4215643.71	3.83E-07	2.17E-07	5.99E-07	5.84E-08	3.30E-08	9.14E-08	2.64E-08	1.36E-08	3.99E-08
2579	569933.83	4215679.69	2.85E-07	1.62E-07	4.47E-07	4.36E-08	2.46E-08	6.81E-08	1.97E-08	1.01E-08	2.98E-08
2580	569924.72	4215677.35	2.89E-07	1.64E-07	4.53E-07	4.42E-08	2.49E-08	6.91E-08	1.99E-08	1.03E-08	3.02E-08
2581	569915.6	4215675.01	2.93E-07	1.66E-07	4.59E-07	4.48E-08	2.53E-08	7.01E-08	2.02E-08	1.04E-08	3.06E-08
2582	569906.48	4215672.67	2.98E-07	1.69E-07	4.66E-07	4.54E-08	2.56E-08	7.11E-08	2.05E-08	1.06E-08	3.11E-08
2583	569870.02	4215663.3	3.17E-07	1.79E-07	4.96E-07	4.83E-08	2.73E-08	7.56E-08	2.18E-08	1.12E-08	3.30E-08
2584	569860.9	4215660.95	3.22E-07	1.82E-07	5.04E-07	4.91E-08	2.77E-08	7.68E-08	2.22E-08	1.14E-08	3.36E-08
2585	569851.78	4215658.61	3.27E-07	1.85E-07	5.12E-07	4.99E-08	2.81E-08	7.80E-08	2.25E-08	1.16E-08	3.41E-08
2586	569842.67	4215656.27	3.32E-07	1.88E-07	5.19E-07	5.06E-08	2.86E-08	7.92E-08	2.29E-08	1.18E-08	3.46E-08
2587	569833.55	4215653.93	3.37E-07	1.91E-07	5.28E-07	5.14E-08	2.90E-08	8.04E-08	2.32E-08	1.19E-08	3.51E-08
2588	569942.95	4215682.03	2.81E-07	1.59E-07	4.41E-07	4.29E-08	2.42E-08	6.72E-08	1.94E-08	9.98E-09	2.94E-08
2589	569952.27	4215680.36	2.83E-07	1.60E-07	4.44E-07	4.32E-08	2.44E-08	6.76E-08	1.95E-08	1.00E-08	2.96E-08
2590	569961.58	4215678.68	2.85E-07	1.61E-07	4.47E-07	4.35E-08	2.46E-08	6.81E-08	1.96E-08	1.01E-08	2.98E-08
2591	569970.9	4215677.01	2.87E-07	1.63E-07	4.50E-07	4.39E-08	2.48E-08	6.86E-08	1.98E-08	1.02E-08	3.00E-08
2592	569980.21	4215675.33	2.9E-07	1.64E-07	4.54E-07	4.43E-08	2.50E-08	6.92E-08	2.00E-08	1.03E-08	3.03E-08
2593	569989.53	4215673.66	2.93E-07	1.66E-07	4.59E-07	4.47E-08	2.52E-08	6.99E-08	2.02E-08	1.04E-08	3.06E-08
2594	569998.84	4215671.98	2.96E-07	1.68E-07	4.64E-07	4.52E-08	2.55E-08	7.07E-08	2.04E-08	1.05E-08	3.09E-08
2595	570008.16	4215670.31	2.99E-07	1.70E-07	4.69E-07	4.57E-08	2.58E-08	7.15E-08	2.06E-08	1.06E-08	3.13E-08
2596	570017.47	4215668.63	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.25E-08	2.09E-08	1.08E-08	3.17E-08
2597	570026.79	4215666.96	3.08E-07	1.74E-07	4.82E-07	4.70E-08	2.65E-08	7.35E-08	2.12E-08	1.09E-08	3.21E-08
2598	570036.1	4215665.28	3.13E-07	1.77E-07	4.90E-07	4.78E-08	2.70E-08	7.47E-08	2.16E-08	1.11E-08	3.27E-08
2599	570045.42	4215663.61	3.18E-07	1.80E-07	4.99E-07	4.86E-08	2.74E-08	7.61E-08	2.19E-08	1.13E-08	3.32E-08
2600	570054.73	4215661.93	3.24E-07	1.84E-07	5.08E-07	4.95E-08	2.80E-08	7.75E-08	2.24E-08	1.15E-08	3.39E-08

2601	570064.05	4215660.26	3.31E-07	1.87E-07	5.18E-07	5.05E-08	2.85E-08	7.90E-08	2.28E-08	1.17E-08	3.45E-08
2602	570073.37	4215658.58	3.38E-07	1.91E-07	5.29E-07	5.16E-08	2.91E-08	8.06E-08	2.33E-08	1.20E-08	3.52E-08
2603	570082.68	4215656.91	3.45E-07	1.95E-07	5.41E-07	5.27E-08	2.97E-08	8.24E-08	2.38E-08	1.22E-08	3.60E-08
2604	570092	4215655.23	3.53E-07	2.00E-07	5.53E-07	5.39E-08	3.04E-08	8.44E-08	2.43E-08	1.25E-08	3.69E-08
2605	570101.31	4215653.55	3.62E-07	2.05E-07	5.67E-07	5.53E-08	3.12E-08	8.65E-08	2.50E-08	1.28E-08	3.78E-08
2606	569935.65	4215689.55	2.71E-07	1.54E-07	4.25E-07	4.14E-08	2.34E-08	6.48E-08	1.87E-08	9.62E-09	2.83E-08
2607	569926.57	4215687.21	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.57E-08	1.89E-08	9.75E-09	2.87E-08
2608	569917.5	4215684.88	2.79E-07	1.58E-07	4.37E-07	4.25E-08	2.40E-08	6.66E-08	1.92E-08	9.88E-09	2.91E-08
2609	569908.43	4215682.55	2.83E-07	1.60E-07	4.43E-07	4.31E-08	2.43E-08	6.75E-08	1.95E-08	1.00E-08	2.95E-08
2610	569899.36	4215680.22	2.87E-07	1.62E-07	4.49E-07	4.38E-08	2.47E-08	6.85E-08	1.98E-08	1.02E-08	2.99E-08
2611	569863.06	4215670.9	3.04E-07	1.72E-07	4.77E-07	4.65E-08	2.62E-08	7.27E-08	2.10E-08	1.08E-08	3.18E-08
2612	569853.99	4215668.57	3.09E-07	1.75E-07	4.84E-07	4.72E-08	2.66E-08	7.38E-08	2.13E-08	1.10E-08	3.23E-08
2613	569844.92	4215666.24	3.14E-07	1.78E-07	4.91E-07	4.79E-08	2.70E-08	7.49E-08	2.16E-08	1.11E-08	3.27E-08
2614	569944.72	4215691.88	2.68E-07	1.52E-07	4.20E-07	4.09E-08	2.31E-08	6.40E-08	1.85E-08	9.50E-09	2.80E-08
2615	569954.04	4215690.2	2.7E-07	1.53E-07	4.22E-07	4.12E-08	2.32E-08	6.44E-08	1.86E-08	9.56E-09	2.81E-08
2616	569963.35	4215688.53	2.72E-07	1.54E-07	4.25E-07	4.15E-08	2.34E-08	6.49E-08	1.87E-08	9.63E-09	2.83E-08
2617	569972.67	4215686.85	2.74E-07	1.55E-07	4.29E-07	4.18E-08	2.36E-08	6.54E-08	1.89E-08	9.71E-09	2.86E-08
2618	569981.98	4215685.18	2.76E-07	1.56E-07	4.33E-07	4.22E-08	2.38E-08	6.60E-08	1.90E-08	9.80E-09	2.88E-08
2619	569991.3	4215683.5	2.79E-07	1.58E-07	4.37E-07	4.26E-08	2.40E-08	6.66E-08	1.92E-08	9.89E-09	2.91E-08
2620	570000.61	4215681.82	2.82E-07	1.60E-07	4.41E-07	4.30E-08	2.43E-08	6.73E-08	1.94E-08	9.99E-09	2.94E-08
2621	570009.93	4215680.15	2.85E-07	1.61E-07	4.46E-07	4.35E-08	2.45E-08	6.80E-08	1.96E-08	1.01E-08	2.97E-08
2622	570019.24	4215678.47	2.88E-07	1.63E-07	4.52E-07	4.40E-08	2.48E-08	6.89E-08	1.99E-08	1.02E-08	3.01E-08
2623	570028.56	4215676.8	2.93E-07	1.66E-07	4.58E-07	4.47E-08	2.52E-08	6.99E-08	2.02E-08	1.04E-08	3.05E-08
2624	570037.87	4215675.12	2.97E-07	1.68E-07	4.66E-07	4.54E-08	2.56E-08	7.10E-08	2.05E-08	1.05E-08	3.10E-08
2625	570047.19	4215673.45	3.03E-07	1.71E-07	4.74E-07	4.62E-08	2.61E-08	7.23E-08	2.09E-08	1.07E-08	3.16E-08
2626	570056.5	4215671.77	3.08E-07	1.75E-07	4.83E-07	4.71E-08	2.66E-08	7.36E-08	2.12E-08	1.09E-08	3.22E-08
2627	570065.82	4215670.1	3.14E-07	1.78E-07	4.92E-07	4.80E-08	2.71E-08	7.50E-08	2.16E-08	1.11E-08	3.28E-08
2628	570075.14	4215668.42	3.21E-07	1.82E-07	5.02E-07	4.89E-08	2.76E-08	7.66E-08	2.21E-08	1.14E-08	3.35E-08
2629	570084.45	4215666.75	3.27E-07	1.86E-07	5.13E-07	5.00E-08	2.82E-08	7.82E-08	2.26E-08	1.16E-08	3.42E-08
2630	570093.77	4215665.07	3.35E-07	1.90E-07	5.25E-07	5.12E-08	2.89E-08	8.00E-08	2.31E-08	1.19E-08	3.50E-08
2631	570103.08	4215663.4	3.43E-07	1.94E-07	5.38E-07	5.24E-08	2.96E-08	8.20E-08	2.37E-08	1.22E-08	3.58E-08
2632	569937.46	4215699.4	2.59E-07	1.46E-07	4.05E-07	3.95E-08	2.23E-08	6.18E-08	1.78E-08	9.17E-09	2.70E-08
2633	569928.43	4215697.08	2.62E-07	1.48E-07	4.10E-07	4.00E-08	2.26E-08	6.25E-08	1.80E-08	9.29E-09	2.73E-08
2634	569919.39	4215694.76	2.65E-07	1.50E-07	4.15E-07	4.05E-08	2.28E-08	6.33E-08	1.83E-08	9.41E-09	2.77E-08
2635	569910.36	4215692.44	2.69E-07	1.52E-07	4.21E-07	4.10E-08	2.32E-08	6.42E-08	1.85E-08	9.53E-09	2.80E-08
2636	569901.33	4215690.12	2.72E-07	1.54E-07	4.27E-07	4.16E-08	2.35E-08	6.51E-08	1.88E-08	9.66E-09	2.84E-08
2637	569892.29	4215687.8	2.76E-07	1.57E-07	4.33E-07	4.22E-08	2.38E-08	6.60E-08	1.90E-08	9.80E-09	2.88E-08
2638	569946.49	4215701.72	2.55E-07	1.45E-07	4.00E-07	3.90E-08	2.20E-08	6.10E-08	1.76E-08	9.06E-09	2.67E-08
2639	569955.81	4215700.04	2.57E-07	1.46E-07	4.03E-07	3.93E-08	2.22E-08	6.15E-08	1.77E-08	9.13E-09	2.69E-08
2640	569965.12	4215698.37	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.23E-08	6.19E-08	1.79E-08	9.19E-09	2.71E-08
2641	569974.44	4215696.69	2.61E-07	1.48E-07	4.09E-07	3.99E-08	2.25E-08	6.24E-08	1.80E-08	9.27E-09	2.73E-08
2642	569983.75	4215695.02	2.64E-07	1.49E-07	4.13E-07	4.03E-08	2.27E-08	6.30E-08	1.82E-08	9.35E-09	2.75E-08
2643	569993.07	4215693.34	2.66E-07	1.51E-07	4.17E-07	4.06E-08	2.29E-08	6.36E-08	1.83E-08	9.44E-09	2.78E-08
2644	570002.38	4215691.67	2.69E-07	1.52E-07	4.21E-07	4.10E-08	2.32E-08	6.42E-08	1.85E-08	9.53E-09	2.81E-08
2645	570011.7	4215689.99	2.72E-07	1.54E-07	4.26E-07	4.15E-08	2.34E-08	6.49E-08	1.87E-08	9.63E-09	2.84E-08
2646	570021.01	4215688.32	2.75E-07	1.56E-07	4.31E-07	4.20E-08	2.37E-08	6.56E-08	1.89E-08	9.75E-09	2.87E-08
2647	570030.33	4215686.64	2.79E-07	1.58E-07	4.37E-07	4.26E-08	2.40E-08	6.66E-08	1.92E-08	9.89E-09	2.91E-08
2648	570039.64	4215684.97	2.83E-07	1.60E-07	4.43E-07	4.32E-08	2.44E-08	6.76E-08	1.95E-08	1.00E-08	2.95E-08
2649	570048.96	4215683.29	2.88E-07	1.63E-07	4.51E-07	4.40E-08	2.48E-08	6.88E-08	1.98E-08	1.02E-08	3.01E-08
2650	570058.27	4215681.62	2.93E-07	1.66E-07	4.59E-07	4.48E-08	2.53E-08	7.00E-08	2.02E-08	1.04E-08	3.06E-08
2651	570067.59	4215679.94	2.99E-07	1.69E-07	4.68E-07	4.56E-08	2.57E-08	7.14E-08	2.06E-08	1.06E-08	3.12E-08
2652	570076.91	4215678.26	3.05E-07	1.73E-07	4.77E-07	4.65E-08	2.63E-08	7.28E-08	2.10E-08	1.08E-08	3.18E-08
2653	570086.22	4215676.59	3.11E-07	1.76E-07	4.88E-07	4.75E-08	2.68E-08	7.44E-08	2.15E-08	1.10E-08	3.25E-08
2654	570095.54	4215674.91	3.18E-07	1.80E-07	4.99E-07	4.86E-08	2.74E-08	7.61E-08	2.19E-08	1.13E-08	3.32E-08
2655	570104.85	4215673.24	3.26E-07	1.85E-07	5.11E-07	4.98E-08	2.81E-08	7.79E-08	2.25E-08	1.16E-08	3.40E-08
2656	569939.27	4215709.25	2.47E-07	1.40E-07	3.87E-07	3.77E-08	2.13E-08	5.90E-08	1.70E-08	8.76E-09	2.58E-08
2657	569930.27	4215706.94	2.5E-07	1.41E-07	3.91E-07	3.81E-08	2.15E-08	5.97E-08	1.72E-08	8.86E-09	2.61E-08
2658	569921.27	4215704.63	2.53E-07	1.43E-07	3.96E-07	3.86E-08	2.18E-08	6.04E-08	1.74E-08	8.97E-09	2.64E-08
2659	569912.28	4215702.32	2.56E-07	1.45E-07	4.01E-07	3.91E-08	2.21E-08	6.11E-08	1.76E-08	9.08E-09	2.67E-08
2660	569903.28	4215700.01	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.23E-08	6.19E-08	1.79E-08	9.20E-09	2.71E-08
2661	569894.29	4215697.69	2.63E-07	1.49E-07	4.12E-07	4.02E-08	2.27E-08	6.28E-08	1.81E-08	9.33E-09	2.74E-08
2662	569885.29	4215695.38	2.67E-07	1.51E-07	4.18E-07	4.07E-08	2.30E-08	6.37E-08	1.84E-08	9.46E-09	2.78E-08

2663	569876.3	4215693.07	2.59E-07	1.47E-07	4.06E-07	3.95E-08	2.23E-08	6.19E-08	1.78E-08	9.19E-09	2.70E-08
2664	569948.26	4215711.56	2.44E-07	1.38E-07	3.82E-07	3.73E-08	2.10E-08	5.83E-08	1.68E-08	8.66E-09	2.55E-08
2665	569957.58	4215709.89	2.46E-07	1.39E-07	3.85E-07	3.75E-08	2.12E-08	5.87E-08	1.69E-08	8.72E-09	2.57E-08
2666	569966.89	4215708.21	2.48E-07	1.40E-07	3.88E-07	3.78E-08	2.13E-08	5.92E-08	1.71E-08	8.79E-09	2.59E-08
2667	569976.21	4215706.54	2.5E-07	1.42E-07	3.91E-07	3.81E-08	2.15E-08	5.97E-08	1.72E-08	8.86E-09	2.61E-08
2668	569985.52	4215704.86	2.52E-07	1.43E-07	3.95E-07	3.85E-08	2.17E-08	6.02E-08	1.74E-08	8.94E-09	2.63E-08
2669	569994.84	4215703.18	2.54E-07	1.44E-07	3.99E-07	3.88E-08	2.19E-08	6.08E-08	1.75E-08	9.02E-09	2.66E-08
2670	570004.15	4215701.51	2.57E-07	1.45E-07	4.02E-07	3.92E-08	2.21E-08	6.13E-08	1.77E-08	9.11E-09	2.68E-08
2671	570013.47	4215699.83	2.59E-07	1.47E-07	4.06E-07	3.96E-08	2.24E-08	6.20E-08	1.79E-08	9.20E-09	2.71E-08
2672	570022.78	4215698.16	2.62E-07	1.49E-07	4.11E-07	4.01E-08	2.26E-08	6.27E-08	1.81E-08	9.31E-09	2.74E-08
2673	570032.1	4215696.48	2.66E-07	1.51E-07	4.17E-07	4.06E-08	2.29E-08	6.35E-08	1.83E-08	9.43E-09	2.78E-08
2674	570041.41	4215694.81	2.7E-07	1.53E-07	4.23E-07	4.12E-08	2.33E-08	6.45E-08	1.86E-08	9.57E-09	2.82E-08
2675	570050.73	4215693.13	2.74E-07	1.55E-07	4.30E-07	4.19E-08	2.36E-08	6.55E-08	1.89E-08	9.73E-09	2.86E-08
2676	570060.04	4215691.46	2.79E-07	1.58E-07	4.37E-07	4.26E-08	2.41E-08	6.67E-08	1.92E-08	9.90E-09	2.91E-08
2677	570069.36	4215689.78	2.84E-07	1.61E-07	4.45E-07	4.34E-08	2.45E-08	6.79E-08	1.96E-08	1.01E-08	2.97E-08
2678	570078.68	4215688.11	2.9E-07	1.64E-07	4.54E-07	4.43E-08	2.50E-08	6.93E-08	2.00E-08	1.03E-08	3.03E-08
2679	570087.99	4215686.43	2.96E-07	1.68E-07	4.64E-07	4.52E-08	2.55E-08	7.08E-08	2.04E-08	1.05E-08	3.09E-08
2680	570097.31	4215684.76	3.03E-07	1.72E-07	4.75E-07	4.63E-08	2.61E-08	7.24E-08	2.09E-08	1.07E-08	3.16E-08
2681	569941.07	4215719.1	2.36E-07	1.34E-07	3.70E-07	3.61E-08	2.03E-08	5.64E-08	1.63E-08	8.38E-09	2.46E-08
2682	569932.11	4215716.8	2.39E-07	1.35E-07	3.74E-07	3.65E-08	2.06E-08	5.70E-08	1.65E-08	8.47E-09	2.49E-08
2683	569923.15	4215714.5	2.42E-07	1.37E-07	3.79E-07	3.69E-08	2.08E-08	5.77E-08	1.67E-08	8.57E-09	2.52E-08
2684	569914.19	4215712.19	2.44E-07	1.38E-07	3.83E-07	3.73E-08	2.11E-08	5.84E-08	1.68E-08	8.67E-09	2.55E-08
2685	569905.23	4215709.89	2.47E-07	1.40E-07	3.88E-07	3.78E-08	2.13E-08	5.91E-08	1.70E-08	8.78E-09	2.58E-08
2686	569896.27	4215707.59	2.51E-07	1.42E-07	3.93E-07	3.83E-08	2.16E-08	5.99E-08	1.73E-08	8.89E-09	2.62E-08
2687	569887.3	4215705.29	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.07E-08	1.75E-08	9.01E-09	2.65E-08
2688	569878.34	4215702.99	2.57E-07	1.46E-07	4.03E-07	3.93E-08	2.22E-08	6.15E-08	1.77E-08	9.13E-09	2.69E-08
2689	569869.38	4215700.68	2.49E-07	1.41E-07	3.89E-07	3.80E-08	2.14E-08	5.94E-08	1.71E-08	8.82E-09	2.60E-08
2690	569950.03	4215721.4	2.34E-07	1.32E-07	3.66E-07	3.57E-08	2.01E-08	5.58E-08	1.61E-08	8.29E-09	2.44E-08
2691	569959.35	4215719.73	2.35E-07	1.33E-07	3.68E-07	3.59E-08	2.03E-08	5.62E-08	1.62E-08	8.34E-09	2.46E-08
2692	569968.66	4215718.05	2.37E-07	1.34E-07	3.71E-07	3.62E-08	2.04E-08	5.66E-08	1.63E-08	8.41E-09	2.47E-08
2693	569977.98	4215716.38	2.39E-07	1.35E-07	3.74E-07	3.65E-08	2.06E-08	5.71E-08	1.65E-08	8.48E-09	2.49E-08
2694	569987.29	4215714.7	2.41E-07	1.37E-07	3.78E-07	3.68E-08	2.08E-08	5.76E-08	1.66E-08	8.55E-09	2.52E-08
2695	569996.61	4215713.03	2.43E-07	1.38E-07	3.81E-07	3.72E-08	2.10E-08	5.81E-08	1.68E-08	8.63E-09	2.54E-08
2696	570005.92	4215711.35	2.46E-07	1.39E-07	3.85E-07	3.75E-08	2.12E-08	5.87E-08	1.69E-08	8.71E-09	2.56E-08
2697	570015.24	4215709.68	2.48E-07	1.41E-07	3.89E-07	3.79E-08	2.14E-08	5.93E-08	1.71E-08	8.80E-09	2.59E-08
2698	570024.55	4215708	2.51E-07	1.42E-07	3.93E-07	3.83E-08	2.16E-08	5.99E-08	1.73E-08	8.90E-09	2.62E-08
2699	570033.87	4215706.33	2.54E-07	1.44E-07	3.98E-07	3.88E-08	2.19E-08	6.07E-08	1.75E-08	9.01E-09	2.65E-08
2700	570043.18	4215704.65	2.58E-07	1.46E-07	4.04E-07	3.94E-08	2.22E-08	6.16E-08	1.78E-08	9.14E-09	2.69E-08
2701	570052.5	4215702.97	2.62E-07	1.48E-07	4.10E-07	4.00E-08	2.26E-08	6.25E-08	1.80E-08	9.29E-09	2.73E-08
2702	570061.81	4215701.3	2.66E-07	1.51E-07	4.17E-07	4.07E-08	2.29E-08	6.36E-08	1.84E-08	9.45E-09	2.78E-08
2703	570071.13	4215699.62	2.71E-07	1.54E-07	4.25E-07	4.14E-08	2.34E-08	6.48E-08	1.87E-08	9.62E-09	2.83E-08
2704	570080.45	4215697.95	2.76E-07	1.57E-07	4.33E-07	4.22E-08	2.38E-08	6.60E-08	1.90E-08	9.80E-09	2.89E-08
2705	570089.76	4215696.27	2.82E-07	1.60E-07	4.42E-07	4.31E-08	2.43E-08	6.74E-08	1.95E-08	1.00E-08	2.95E-08
2706	570099.08	4215694.6	2.89E-07	1.64E-07	4.52E-07	4.41E-08	2.49E-08	6.90E-08	1.99E-08	1.02E-08	3.01E-08
2707	570108.39	4215692.92	2.96E-07	1.68E-07	4.63E-07	4.51E-08	2.55E-08	7.06E-08	2.04E-08	1.05E-08	3.09E-08
2708	569942.87	4215728.95	2.26E-07	1.28E-07	3.54E-07	3.45E-08	1.95E-08	5.40E-08	1.56E-08	8.02E-09	2.36E-08
2709	569933.94	4215726.66	2.29E-07	1.30E-07	3.58E-07	3.49E-08	1.97E-08	5.46E-08	1.58E-08	8.11E-09	2.39E-08
2710	569925.01	4215724.36	2.31E-07	1.31E-07	3.62E-07	3.53E-08	1.99E-08	5.52E-08	1.59E-08	8.20E-09	2.41E-08
2711	569916.09	4215722.07	2.34E-07	1.32E-07	3.66E-07	3.57E-08	2.01E-08	5.58E-08	1.61E-08	8.29E-09	2.44E-08
2712	569907.16	4215719.78	2.37E-07	1.34E-07	3.70E-07	3.61E-08	2.04E-08	5.65E-08	1.63E-08	8.39E-09	2.47E-08
2713	569898.23	4215717.48	2.39E-07	1.36E-07	3.75E-07	3.66E-08	2.06E-08	5.72E-08	1.65E-08	8.49E-09	2.50E-08
2714	569889.3	4215715.19	2.42E-07	1.37E-07	3.80E-07	3.70E-08	2.09E-08	5.79E-08	1.67E-08	8.60E-09	2.53E-08
2715	569880.37	4215712.89	2.46E-07	1.39E-07	3.85E-07	3.75E-08	2.12E-08	5.87E-08	1.69E-08	8.71E-09	2.56E-08
2716	569871.44	4215710.6	2.38E-07	1.35E-07	3.72E-07	3.63E-08	2.05E-08	5.67E-08	1.64E-08	8.42E-09	2.48E-08
2717	569862.51	4215708.31	2.39E-07	1.35E-07	3.75E-07	3.65E-08	2.06E-08	5.71E-08	1.65E-08	8.48E-09	2.50E-08
2718	569591.18	4215444.03	4.2E-07	2.38E-07	6.58E-07	6.42E-08	3.62E-08	1.00E-07	2.90E-08	1.49E-08	4.39E-08
2719	569951.8	4215731.25	2.24E-07	1.27E-07	3.51E-07	3.42E-08	1.93E-08	5.35E-08	1.54E-08	7.94E-09	2.34E-08
2720	569961.12	4215729.57	2.25E-07	1.28E-07	3.53E-07	3.44E-08	1.94E-08	5.38E-08	1.55E-08	7.99E-09	2.35E-08
2721	569970.43	4215727.89	2.27E-07	1.29E-07	3.56E-07	3.47E-08	1.96E-08	5.42E-08	1.56E-08	8.05E-09	2.37E-08
2722	569979.75	4215726.22	2.29E-07	1.30E-07	3.59E-07	3.49E-08	1.97E-08	5.47E-08	1.58E-08	8.12E-09	2.39E-08
2723	569989.06	4215724.54	2.31E-07	1.31E-07	3.62E-07	3.53E-08	1.99E-08	5.52E-08	1.59E-08	8.19E-09	2.41E-08
2724	569998.38	4215722.87	2.33E-07	1.32E-07	3.65E-07	3.56E-08	2.01E-08	5.57E-08	1.61E-08	8.26E-09	2.43E-08

2725	570007.69	4215721.19	2.35E-07	1.33E-07	3.68E-07	3.59E-08	2.03E-08	5.62E-08	1.62E-08	8.34E-09	2.45E-08
2726	570017.01	4215719.52	2.37E-07	1.35E-07	3.72E-07	3.63E-08	2.05E-08	5.67E-08	1.64E-08	8.42E-09	2.48E-08
2727	570026.32	4215717.84	2.4E-07	1.36E-07	3.76E-07	3.67E-08	2.07E-08	5.74E-08	1.65E-08	8.52E-09	2.51E-08
2728	570035.64	4215716.17	2.43E-07	1.38E-07	3.81E-07	3.71E-08	2.10E-08	5.81E-08	1.68E-08	8.62E-09	2.54E-08
2729	570044.95	4215714.49	2.47E-07	1.40E-07	3.86E-07	3.76E-08	2.12E-08	5.89E-08	1.70E-08	8.74E-09	2.57E-08
2730	570054.27	4215712.82	2.5E-07	1.42E-07	3.92E-07	3.82E-08	2.16E-08	5.98E-08	1.72E-08	8.88E-09	2.61E-08
2731	570063.58	4215711.14	2.54E-07	1.44E-07	3.99E-07	3.88E-08	2.19E-08	6.08E-08	1.75E-08	9.02E-09	2.66E-08
2732	570072.9	4215709.47	2.59E-07	1.47E-07	4.06E-07	3.95E-08	2.23E-08	6.18E-08	1.78E-08	9.18E-09	2.70E-08
2733	570082.22	4215707.79	2.64E-07	1.49E-07	4.13E-07	4.03E-08	2.27E-08	6.30E-08	1.82E-08	9.36E-09	2.75E-08
2734	570091.53	4215706.12	2.7E-07	1.53E-07	4.22E-07	4.12E-08	2.32E-08	6.44E-08	1.86E-08	9.56E-09	2.81E-08
2735	570134.25	4215513.15	1.2E-06	6.82E-07	1.89E-06	1.84E-07	1.04E-07	2.88E-07	8.29E-08	4.27E-08	1.26E-07
2736	570122.88	4215521.29	1.05E-06	5.97E-07	1.65E-06	1.61E-07	9.07E-08	2.52E-07	7.26E-08	3.74E-08	1.10E-07
2737	570111.51	4215529.44	9.37E-07	5.31E-07	1.47E-06	1.43E-07	8.07E-08	2.24E-07	6.46E-08	3.32E-08	9.78E-08
2738	570121.14	4215531.14	9.43E-07	5.34E-07	1.48E-06	1.44E-07	8.13E-08	2.25E-07	6.50E-08	3.35E-08	9.85E-08
2739	570100.13	4215537.59	8.49E-07	4.81E-07	1.33E-06	1.30E-07	7.32E-08	2.03E-07	5.85E-08	3.01E-08	8.87E-08
2740	570109.77	4215539.29	8.49E-07	4.81E-07	1.33E-06	1.30E-07	7.31E-08	2.03E-07	5.85E-08	3.01E-08	8.86E-08
2741	570119.4	4215540.99	8.54E-07	4.84E-07	1.34E-06	1.30E-07	7.35E-08	2.04E-07	5.88E-08	3.03E-08	8.91E-08
2742	570129.04	4215542.69	8.64E-07	4.89E-07	1.35E-06	1.32E-07	7.44E-08	2.06E-07	5.95E-08	3.06E-08	9.02E-08
2743	570098.4	4215547.43	7.73E-07	4.38E-07	1.21E-06	1.18E-07	6.66E-08	1.85E-07	5.33E-08	2.74E-08	8.07E-08
2744	570108.03	4215549.14	7.72E-07	4.38E-07	1.21E-06	1.18E-07	6.66E-08	1.84E-07	5.32E-08	2.74E-08	8.06E-08
2745	570117.67	4215550.84	7.76E-07	4.40E-07	1.22E-06	1.19E-07	6.69E-08	1.85E-07	5.35E-08	2.75E-08	8.10E-08
2746	570096.66	4215557.28	7.06E-07	4.00E-07	1.11E-06	1.08E-07	6.09E-08	1.69E-07	4.87E-08	2.51E-08	7.37E-08
2747	570106.29	4215558.98	7.06E-07	4.00E-07	1.11E-06	1.08E-07	6.08E-08	1.69E-07	4.87E-08	2.50E-08	7.37E-08
2748	570115.93	4215560.68	7.09E-07	4.02E-07	1.11E-06	1.08E-07	6.11E-08	1.69E-07	4.89E-08	2.51E-08	7.40E-08
2749	570094.92	4215567.13	6.47E-07	3.66E-07	1.01E-06	9.88E-08	5.57E-08	1.55E-07	4.46E-08	2.29E-08	6.75E-08
2750	570104.55	4215568.83	6.47E-07	3.67E-07	1.01E-06	9.89E-08	5.58E-08	1.55E-07	4.46E-08	2.30E-08	6.76E-08
2751	570114.19	4215570.53	6.5E-07	3.68E-07	1.02E-06	9.93E-08	5.60E-08	1.55E-07	4.48E-08	2.31E-08	6.78E-08
2752	570123.82	4215572.23	6.57E-07	3.72E-07	1.03E-06	1.00E-07	5.66E-08	1.57E-07	4.53E-08	2.33E-08	6.86E-08
2753	570102.81	4215578.68	5.96E-07	3.37E-07	9.33E-07	9.10E-08	5.13E-08	1.42E-07	4.11E-08	2.11E-08	6.22E-08
2754	570112.45	4215580.38	5.98E-07	3.39E-07	9.38E-07	9.14E-08	5.16E-08	1.43E-07	4.12E-08	2.12E-08	6.25E-08
2755	570122.08	4215582.08	6.04E-07	3.42E-07	9.47E-07	9.23E-08	5.21E-08	1.44E-07	4.16E-08	2.14E-08	6.31E-08
2756	570101.08	4215588.53	5.5E-07	3.12E-07	8.62E-07	8.41E-08	4.74E-08	1.31E-07	3.79E-08	1.95E-08	5.75E-08
2757	570110.71	4215590.23	5.54E-07	3.14E-07	8.68E-07	8.46E-08	4.77E-08	1.32E-07	3.82E-08	1.97E-08	5.78E-08
2758	570099.34	4215598.37	5.12E-07	2.90E-07	8.02E-07	7.82E-08	4.41E-08	1.22E-07	3.53E-08	1.82E-08	5.35E-08
2759	570108.97	4215600.08	5.16E-07	2.92E-07	8.08E-07	7.88E-08	4.44E-08	1.23E-07	3.55E-08	1.83E-08	5.38E-08
2760	570118.61	4215601.78	5.21E-07	2.95E-07	8.16E-07	7.95E-08	4.49E-08	1.24E-07	3.59E-08	1.85E-08	5.43E-08
2761	570107.23	4215609.92	4.81E-07	2.73E-07	7.54E-07	7.35E-08	4.15E-08	1.15E-07	3.32E-08	1.71E-08	5.02E-08
2762	570105.5	4215619.77	4.5E-07	2.55E-07	7.04E-07	6.87E-08	3.87E-08	1.07E-07	3.10E-08	1.59E-08	4.69E-08
2763	570113.39	4215631.32	4.24E-07	2.40E-07	6.64E-07	6.47E-08	3.65E-08	1.01E-07	2.92E-08	1.50E-08	4.42E-08
2764	570111.65	4215641.17	3.97E-07	2.25E-07	6.22E-07	6.06E-08	3.42E-08	9.49E-08	2.74E-08	1.41E-08	4.14E-08
2765	570088.11	4215718.25	2.53E-07	1.43E-07	3.96E-07	3.86E-08	2.18E-08	6.04E-08	1.74E-08	8.97E-09	2.64E-08
2766	570097.74	4215719.95	2.54E-07	1.44E-07	3.99E-07	3.89E-08	2.19E-08	6.08E-08	1.75E-08	9.03E-09	2.66E-08

			T2		T2L3		T4f	
			285	570282.22				
			2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.94E-03	9.97E-04
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	570176.2	4215489	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
2	570192.2	4215484	1.75E-02	9.92E-03	2.67E-03	1.51E-03	1.21E-03	6.21E-04
3	570208.7	4215477	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
4	570225.2	4215470	2.35E-02	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
5	570241.7	4215462	2.60E-02	1.47E-02	3.97E-03	2.24E-03	1.79E-03	9.22E-04
6	570258.2	4215455	2.76E-02	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.78E-04
7	570179.3	4215498	1.37E-02	7.75E-03	2.09E-03	1.18E-03	9.43E-04	4.85E-04
8	570162	4215500	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
9	570196.2	4215493	1.56E-02	8.81E-03	2.37E-03	1.34E-03	1.07E-03	5.52E-04
10	570212.7	4215486	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
11	570229.2	4215479	2.10E-02	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.47E-04
12	570237.5	4215475	2.23E-02	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.91E-04
13	570254	4215468	2.44E-02	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
14	570183.7	4215507	1.24E-02	7.00E-03	1.89E-03	1.07E-03	8.52E-04	4.38E-04
15	570167.2	4215509	1.12E-02	6.34E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
16	570150.7	4215511	1.02E-02	5.77E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
17	570200.2	4215503	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
18	570216.7	4215495	1.64E-02	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
19	570225	4215492	1.78E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
20	570241.5	4215484	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.39E-03	7.14E-04
21	570249.8	4215481	2.12E-02	1.20E-02	3.23E-03	1.82E-03	1.46E-03	7.50E-04
22	570266.3	4215473	2.28E-02	1.29E-02	3.48E-03	1.97E-03	1.57E-03	8.09E-04
23	570188.1	4215516	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
24	570172.2	4215518	1.02E-02	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
25	570156.3	4215520	9.32E-03	5.28E-03	1.42E-03	8.03E-04	6.42E-04	3.31E-04
26	570140.5	4215522	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
27	570204.3	4215512	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
28	570220.8	4215504	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
29	570237.3	4215497	1.73E-02	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
30	570253.8	4215490	1.92E-02	1.09E-02	2.93E-03	1.66E-03	1.32E-03	6.82E-04
31	570262.1	4215486	2.01E-02	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
32	570191.4	4215526	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.11E-04	3.66E-04
33	570174.1	4215528	9.18E-03	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
34	570156.8	4215530	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
35	570139.4	4215532	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
36	570208.3	4215521	1.18E-02	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
37	570216.6	4215517	1.28E-02	7.22E-03	1.95E-03	1.10E-03	8.79E-04	4.52E-04
38	570233.1	4215510	1.48E-02	8.36E-03	2.25E-03	1.27E-03	1.02E-03	5.24E-04
39	570249.6	4215503	1.67E-02	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
40	570266.1	4215495	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
41	570274.4	4215492	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
42	570195.7	4215535	9.57E-03	5.42E-03	1.46E-03	8.24E-04	6.59E-04	3.39E-04
43	570179.1	4215537	8.58E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
44	570162.4	4215539	7.82E-03	4.43E-03	1.19E-03	6.74E-04	5.39E-04	2.77E-04
45	570145.7	4215541	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
46	570212.3	4215530	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
47	570228.8	4215523	1.26E-02	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
48	570245.4	4215515	1.45E-02	8.19E-03	2.21E-03	1.25E-03	9.96E-04	5.13E-04

49	570261.9	4215508	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
50	570278.4	4215501	1.75E-02	9.93E-03	2.68E-03	1.51E-03	1.21E-03	6.22E-04
51	570200	4215544	8.90E-03	5.04E-03	1.36E-03	7.67E-04	6.14E-04	3.16E-04
52	570183.9	4215546	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
53	570167.7	4215548	7.32E-03	4.15E-03	1.12E-03	6.31E-04	5.04E-04	2.60E-04
54	570151.5	4215550	6.76E-03	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
55	570135.4	4215552	6.29E-03	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
56	570216.4	4215539	1.01E-02	5.73E-03	1.55E-03	8.72E-04	6.97E-04	3.59E-04
57	570232.9	4215532	1.17E-02	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
58	570241.1	4215528	1.25E-02	7.08E-03	1.91E-03	1.08E-03	8.61E-04	4.43E-04
59	570257.6	4215521	1.41E-02	8.01E-03	2.16E-03	1.22E-03	9.75E-04	5.02E-04
60	570274.2	4215514	1.56E-02	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
61	570203.5	4215553	8.27E-03	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
62	570186.2	4215555	7.44E-03	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
63	570168.8	4215557	6.73E-03	3.82E-03	1.03E-03	5.80E-04	4.64E-04	2.39E-04
64	570151.5	4215559	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
65	570134.2	4215561	5.74E-03	3.25E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
66	570220.4	4215548	9.43E-03	5.34E-03	1.44E-03	8.13E-04	6.50E-04	3.35E-04
67	570228.6	4215545	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
68	570245.2	4215537	1.16E-02	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
69	570253.4	4215534	1.24E-02	7.02E-03	1.89E-03	1.07E-03	8.53E-04	4.39E-04
70	570269.9	4215526	1.38E-02	7.81E-03	2.11E-03	1.19E-03	9.50E-04	4.89E-04
71	570286.5	4215519	1.50E-02	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
72	570207.8	4215562	7.78E-03	4.41E-03	1.19E-03	6.70E-04	5.36E-04	2.76E-04
73	570191	4215564	7.03E-03	3.98E-03	1.07E-03	6.05E-04	4.84E-04	2.49E-04
74	570174.2	4215566	6.36E-03	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.25E-04
75	570157.4	4215568	5.86E-03	3.32E-03	8.94E-04	5.05E-04	4.03E-04	2.08E-04
76	570140.6	4215570	5.43E-03	3.08E-03	8.29E-04	4.68E-04	3.74E-04	1.93E-04
77	570224.4	4215557	8.82E-03	5.00E-03	1.35E-03	7.60E-04	6.08E-04	3.13E-04
78	570240.9	4215550	1.02E-02	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
79	570257.5	4215543	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
80	570274	4215536	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
81	570282.2	4215532	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.25E-04	4.76E-04
82	570211.3	4215571	7.30E-03	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
83	570193.4	4215573	6.56E-03	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
84	570175.6	4215576	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
85	570157.8	4215578	5.41E-03	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
86	570139.9	4215580	5.00E-03	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
87	570220.2	4215570	7.70E-03	4.36E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
88	570236.7	4215563	8.86E-03	5.02E-03	1.35E-03	7.64E-04	6.11E-04	3.14E-04
89	570253.2	4215556	1.01E-02	5.72E-03	1.54E-03	8.70E-04	6.96E-04	3.58E-04
90	570269.7	4215548	1.13E-02	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
91	570286.3	4215541	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
92	570215.6	4215580	6.89E-03	3.91E-03	1.05E-03	5.94E-04	4.75E-04	2.45E-04
93	570198.3	4215583	6.23E-03	3.53E-03	9.52E-04	5.37E-04	4.29E-04	2.21E-04
94	570180.9	4215585	5.64E-03	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
95	570163.6	4215587	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
96	570146.3	4215589	4.76E-03	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
97	570129	4215591	4.46E-03	2.52E-03	6.81E-04	3.84E-04	3.07E-04	1.58E-04
98	570232.5	4215576	7.75E-03	4.39E-03	1.18E-03	6.68E-04	5.34E-04	2.75E-04
99	570249	4215568	8.83E-03	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
100	570265.5	4215561	9.96E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04

101	570282	4215554	1.11E-02	6.29E-03	1.70E-03	9.57E-04	7.65E-04	3.94E-04
102	570290.3	4215550	1.16E-02	6.60E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
103	570298.5	4215547	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
104	570219.8	4215590	6.49E-03	3.68E-03	9.92E-04	5.60E-04	4.48E-04	2.30E-04
105	570203	4215592	5.91E-03	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
106	570186.1	4215594	5.37E-03	3.04E-03	8.20E-04	4.63E-04	3.70E-04	1.90E-04
107	570169.2	4215596	4.90E-03	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
108	570152.4	4215598	4.55E-03	2.58E-03	6.94E-04	3.92E-04	3.13E-04	1.61E-04
109	570135.5	4215600	4.26E-03	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
110	570236.5	4215585	7.20E-03	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
111	570253	4215578	8.14E-03	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
112	570261.3	4215574	8.65E-03	4.90E-03	1.32E-03	7.45E-04	5.96E-04	3.07E-04
113	570277.8	4215567	9.72E-03	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
114	570294.3	4215559	1.08E-02	6.12E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
115	570223.4	4215599	6.08E-03	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
116	570205.7	4215601	5.54E-03	3.14E-03	8.46E-04	4.77E-04	3.82E-04	1.97E-04
117	570187.9	4215603	5.03E-03	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
118	570170.1	4215605	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
119	570161.3	4215606	4.40E-03	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
120	570143.5	4215608	4.09E-03	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
121	570125.8	4215611	3.86E-03	2.19E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04
122	570232.3	4215598	6.32E-03	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
123	570248.8	4215590	7.12E-03	4.03E-03	1.09E-03	6.13E-04	4.90E-04	2.52E-04
124	570265.3	4215583	7.49E-03	4.24E-03	1.14E-03	6.45E-04	5.16E-04	2.66E-04
125	570281.8	4215576	8.99E-03	5.09E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
126	570290.1	4215572	9.49E-03	5.38E-03	1.45E-03	8.18E-04	6.54E-04	3.37E-04
127	570298.4	4215569	9.99E-03	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.54E-04
128	570227.7	4215608	5.69E-03	3.23E-03	8.70E-04	4.91E-04	3.92E-04	2.02E-04
129	570210.4	4215610	5.26E-03	2.98E-03	8.03E-04	4.53E-04	3.62E-04	1.87E-04
130	570193	4215612	4.80E-03	2.72E-03	7.33E-04	4.14E-04	3.31E-04	1.70E-04
131	570175.7	4215614	4.38E-03	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
132	570158.4	4215616	4.06E-03	2.30E-03	6.20E-04	3.50E-04	2.80E-04	1.44E-04
133	570141.1	4215618	3.80E-03	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
134	570123.8	4215620	3.60E-03	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
135	570244.6	4215603	6.27E-03	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
136	570261.1	4215596	6.52E-03	3.69E-03	9.95E-04	5.62E-04	4.49E-04	2.31E-04
137	570277.6	4215589	7.31E-03	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
138	570294.1	4215581	8.29E-03	4.70E-03	1.27E-03	7.14E-04	5.71E-04	2.94E-04
139	570302.4	4215578	8.89E-03	5.03E-03	1.36E-03	7.66E-04	6.12E-04	3.15E-04
140	570231.9	4215617	5.35E-03	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
141	570215	4215619	4.99E-03	2.83E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
142	570198	4215621	4.58E-03	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
143	570181.1	4215623	4.19E-03	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
144	570164.2	4215625	3.88E-03	2.20E-03	5.93E-04	3.34E-04	2.67E-04	1.38E-04
145	570147.3	4215627	3.63E-03	2.06E-03	5.55E-04	3.13E-04	2.50E-04	1.29E-04
146	570130.3	4215629	3.44E-03	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
147	570248.6	4215612	5.50E-03	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
148	570256.9	4215609	5.76E-03	3.26E-03	8.80E-04	4.96E-04	3.97E-04	2.04E-04
149	570273.4	4215601	6.42E-03	3.64E-03	9.81E-04	5.53E-04	4.43E-04	2.28E-04
150	570289.9	4215594	7.21E-03	4.08E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
151	570298.2	4215591	7.65E-03	4.34E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
152	570314.7	4215583	8.67E-03	4.91E-03	1.32E-03	7.47E-04	5.97E-04	3.08E-04

153	570235.5	4215626	5.04E-03	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
154	570226.7	4215627	4.86E-03	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
155	570209	4215629	4.49E-03	2.54E-03	6.85E-04	3.87E-04	3.09E-04	1.59E-04
156	570191.3	4215632	4.11E-03	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
157	570173.6	4215634	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
158	570164.8	4215635	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
159	570147.1	4215637	3.41E-03	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
160	570129.4	4215639	3.23E-03	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
161	570252.6	4215622	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
162	570269.2	4215614	5.66E-03	3.21E-03	8.65E-04	4.88E-04	3.90E-04	2.01E-04
163	570285.7	4215607	6.36E-03	3.61E-03	9.72E-04	5.48E-04	4.39E-04	2.26E-04
164	570302.2	4215600	7.18E-03	4.07E-03	1.10E-03	6.19E-04	4.95E-04	2.55E-04
165	570318.7	4215592	8.08E-03	4.58E-03	1.23E-03	6.96E-04	5.57E-04	2.86E-04
166	570239.8	4215635	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
167	570222.5	4215637	4.45E-03	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
168	570205.1	4215640	4.09E-03	2.32E-03	6.25E-04	3.52E-04	2.82E-04	1.45E-04
169	570187.8	4215642	3.76E-03	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.34E-04
170	570170.5	4215644	3.48E-03	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
171	570153.2	4215646	3.27E-03	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
172	570135.9	4215648	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
173	570118.6	4215650	2.95E-03	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
174	570256.7	4215631	5.22E-03	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
175	570273.2	4215623	5.39E-03	3.05E-03	8.22E-04	4.64E-04	3.71E-04	1.91E-04
176	570281.5	4215620	5.67E-03	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
177	570298	4215612	6.34E-03	3.59E-03	9.68E-04	5.46E-04	4.37E-04	2.25E-04
178	570306.2	4215609	6.76E-03	3.83E-03	1.03E-03	5.82E-04	4.66E-04	2.40E-04
179	570314.5	4215605	7.18E-03	4.06E-03	1.10E-03	6.18E-04	4.94E-04	2.55E-04
180	570244	4215644	4.52E-03	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
181	570227	4215647	4.23E-03	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
182	570210	4215649	3.90E-03	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
183	570193	4215651	3.60E-03	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
184	570176.1	4215653	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
185	570159.1	4215655	3.14E-03	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
186	570142.1	4215657	2.97E-03	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
187	570125.2	4215659	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
188	570260.7	4215640	4.93E-03	2.79E-03	7.53E-04	4.25E-04	3.40E-04	1.75E-04
189	570269	4215636	5.20E-03	2.95E-03	7.94E-04	4.48E-04	3.59E-04	1.85E-04
190	570277.2	4215633	5.15E-03	2.92E-03	7.86E-04	4.44E-04	3.55E-04	1.83E-04
191	570293.7	4215625	5.69E-03	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
192	570310.3	4215618	6.39E-03	3.62E-03	9.75E-04	5.50E-04	4.40E-04	2.27E-04
193	570326.8	4215611	7.42E-03	4.21E-03	1.13E-03	6.40E-04	5.12E-04	2.63E-04
194	570247.7	4215654	4.29E-03	2.43E-03	6.55E-04	3.70E-04	2.96E-04	1.52E-04
195	570230	4215656	3.98E-03	2.26E-03	6.08E-04	3.43E-04	2.74E-04	1.41E-04
196	570212.4	4215658	3.67E-03	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
197	570194.7	4215660	3.39E-03	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
198	570177.1	4215662	3.15E-03	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
199	570159.4	4215664	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
200	570141.7	4215666	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.93E-04	9.96E-05
201	570124.1	4215669	2.68E-03	1.52E-03	4.09E-04	2.31E-04	1.84E-04	9.50E-05
202	570264.7	4215649	4.67E-03	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
203	570281.3	4215642	5.19E-03	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
204	570297.8	4215634	5.75E-03	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04

205	570314.3	4215627	6.36E-03	3.60E-03	9.70E-04	5.48E-04	4.38E-04	2.25E-04
206	570330.8	4215620	6.98E-03	3.95E-03	1.07E-03	6.01E-04	4.81E-04	2.48E-04
207	570251.9	4215663	4.07E-03	2.31E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
208	570234.6	4215665	3.78E-03	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04
209	570217.2	4215667	3.50E-03	1.98E-03	5.35E-04	3.02E-04	2.41E-04	1.24E-04
210	570199.9	4215669	3.25E-03	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
211	570182.6	4215671	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
212	570165.3	4215673	2.85E-03	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
213	570148	4215675	2.71E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.60E-05
214	570130.7	4215677	2.58E-03	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
215	570113.4	4215680	2.47E-03	1.40E-03	3.78E-04	2.13E-04	1.70E-04	8.77E-05
216	570268.8	4215658	4.44E-03	2.51E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
217	570277	4215654	4.67E-03	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
218	570293.6	4215647	5.17E-03	2.93E-03	7.89E-04	4.45E-04	3.56E-04	1.83E-04
219	570310.1	4215640	5.71E-03	3.23E-03	8.72E-04	4.92E-04	3.93E-04	2.03E-04
220	570326.6	4215633	6.28E-03	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
221	570256	4215672	3.85E-03	2.18E-03	5.88E-04	3.32E-04	2.65E-04	1.37E-04
222	570239	4215674	3.58E-03	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
223	570222	4215676	3.33E-03	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
224	570205	4215678	3.11E-03	1.76E-03	4.74E-04	2.68E-04	2.14E-04	1.10E-04
225	570188	4215680	2.91E-03	1.65E-03	4.44E-04	2.50E-04	2.00E-04	1.03E-04
226	570171	4215682	2.74E-03	1.55E-03	4.18E-04	2.36E-04	1.89E-04	9.71E-05
227	570154	4215684	2.60E-03	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
228	570137	4215686	2.49E-03	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
229	570120	4215688	2.39E-03	1.35E-03	3.64E-04	2.06E-04	1.64E-04	8.47E-05
230	570272.8	4215667	4.21E-03	2.38E-03	6.43E-04	3.63E-04	2.90E-04	1.49E-04
231	570281.1	4215664	4.43E-03	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
232	570297.6	4215656	4.90E-03	2.77E-03	7.48E-04	4.22E-04	3.38E-04	1.74E-04
233	570305.8	4215653	5.14E-03	2.91E-03	7.86E-04	4.43E-04	3.55E-04	1.82E-04
234	570314.1	4215649	5.40E-03	3.06E-03	8.24E-04	4.65E-04	3.72E-04	1.92E-04
235	570330.6	4215642	5.93E-03	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.10E-04
236	570338.9	4215638	6.20E-03	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
237	570259.8	4215681	3.64E-03	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
238	570242.2	4215683	3.37E-03	1.91E-03	5.15E-04	2.91E-04	2.32E-04	1.20E-04
239	570224.5	4215685	3.14E-03	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
240	570206.9	4215687	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
241	570189.3	4215690	2.75E-03	1.56E-03	4.19E-04	2.37E-04	1.89E-04	9.74E-05
242	570171.7	4215692	2.59E-03	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.20E-05
243	570154.1	4215694	2.47E-03	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
244	570136.5	4215696	2.36E-03	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
245	570118.8	4215698	2.27E-03	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
246	570276.8	4215676	3.98E-03	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
247	570285.1	4215673	4.19E-03	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
248	570293.4	4215669	4.41E-03	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
249	570309.9	4215662	4.87E-03	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
250	570318.1	4215658	5.11E-03	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
251	570334.6	4215651	5.60E-03	3.17E-03	8.55E-04	4.83E-04	3.86E-04	1.99E-04
252	570264	4215690	3.43E-03	1.94E-03	5.24E-04	2.95E-04	2.36E-04	1.22E-04
253	570246.6	4215692	3.19E-03	1.81E-03	4.87E-04	2.75E-04	2.20E-04	1.13E-04
254	570229.3	4215694	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
255	570212	4215697	2.79E-03	1.58E-03	4.26E-04	2.40E-04	1.92E-04	9.90E-05
256	570194.7	4215699	2.63E-03	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05

257	570177.4	4215701	2.50E-03	1.42E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
258	570160.1	4215703	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.44E-05
259	570142.8	4215705	2.28E-03	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.07E-05
260	570125.5	4215707	2.19E-03	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
261	570108.1	4215709	2.11E-03	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.48E-05
262	570280.9	4215686	3.75E-03	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
263	570297.4	4215678	4.16E-03	2.36E-03	6.35E-04	3.59E-04	2.87E-04	1.48E-04
264	570305.6	4215675	4.38E-03	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
265	570322.2	4215667	4.83E-03	2.73E-03	7.37E-04	4.16E-04	3.33E-04	1.71E-04
266	570330.4	4215664	5.05E-03	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
267	570346.9	4215656	5.51E-03	3.12E-03	8.41E-04	4.74E-04	3.79E-04	1.95E-04
268	570267.7	4215699	3.23E-03	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
269	570249.8	4215702	3.00E-03	1.70E-03	4.58E-04	2.59E-04	2.07E-04	1.06E-04
270	570231.9	4215704	2.80E-03	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
271	570223	4215705	2.71E-03	1.54E-03	4.14E-04	2.33E-04	1.87E-04	9.61E-05
272	570214	4215706	2.63E-03	1.49E-03	4.01E-04	2.27E-04	1.81E-04	9.33E-05
273	570196.1	4215708	2.49E-03	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.84E-05
274	570178.3	4215710	2.38E-03	1.35E-03	3.63E-04	2.05E-04	1.64E-04	8.43E-05
275	570169.3	4215711	2.32E-03	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
276	570151.4	4215713	2.22E-03	1.26E-03	3.38E-04	1.91E-04	1.53E-04	7.86E-05
277	570133.5	4215716	2.12E-03	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
278	570115.6	4215718	2.05E-03	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.26E-05
279	570284.9	4215695	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
280	570293.2	4215691	3.72E-03	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
281	570309.7	4215684	4.13E-03	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
282	570317.9	4215680	4.34E-03	2.46E-03	6.63E-04	3.74E-04	2.99E-04	1.54E-04
283	570334.5	4215673	4.77E-03	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
284	570342.7	4215669	4.98E-03	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
285	570282.2	4215444	2.81E-02	1.59E-02	4.29E-03	2.42E-03	1.94E-03	9.97E-04
286	570275.6	4215451	2.73E-02	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04
287	570268.9	4215458	2.63E-02	1.49E-02	4.02E-03	2.27E-03	1.81E-03	9.34E-04
288	570298.6	4215441	2.68E-02	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
289	570292.2	4215447	2.64E-02	1.50E-02	4.03E-03	2.28E-03	1.82E-03	9.37E-04
290	570285.7	4215454	2.58E-02	1.46E-02	3.95E-03	2.23E-03	1.78E-03	9.16E-04
291	570279.2	4215460	2.51E-02	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.89E-04
292	570272.8	4215467	2.41E-02	1.36E-02	3.68E-03	2.07E-03	1.66E-03	8.54E-04
293	570308.3	4215444	2.53E-02	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.98E-04
294	570302	4215450	2.50E-02	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
295	570295.6	4215457	2.44E-02	1.39E-02	3.73E-03	2.11E-03	1.68E-03	8.67E-04
296	570289.3	4215463	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.45E-04
297	570276.6	4215476	2.20E-02	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.79E-04
298	570322.7	4215443	2.40E-02	1.36E-02	3.67E-03	2.07E-03	1.66E-03	8.53E-04
299	570315.8	4215450	2.38E-02	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
300	570308.9	4215457	2.35E-02	1.33E-02	3.59E-03	2.02E-03	1.62E-03	8.33E-04
301	570302	4215464	2.29E-02	1.30E-02	3.50E-03	1.98E-03	1.58E-03	8.14E-04
302	570295.1	4215471	2.22E-02	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.88E-04
303	570288.2	4215478	2.13E-02	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.55E-04
304	570281.3	4215485	2.02E-02	1.15E-02	3.09E-03	1.74E-03	1.39E-03	7.18E-04
305	570339	4215439	2.25E-02	1.28E-02	3.44E-03	1.94E-03	1.55E-03	7.98E-04
306	570332.2	4215446	2.26E-02	1.28E-02	3.46E-03	1.95E-03	1.56E-03	8.03E-04
307	570325.5	4215453	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
308	570318.8	4215460	2.23E-02	1.26E-02	3.41E-03	1.92E-03	1.54E-03	7.91E-04

309	570312	4215467	2.19E-02	1.24E-02	3.34E-03	1.88E-03	1.51E-03	7.76E-04
310	570305.3	4215474	2.13E-02	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
311	570298.6	4215480	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
312	570291.8	4215487	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
313	570285.1	4215494	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
314	570355.7	4215399	2.26E-02	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.02E-04
315	570355.5	4215408	2.22E-02	1.26E-02	3.38E-03	1.91E-03	1.53E-03	7.86E-04
316	570355.3	4215418	2.18E-02	1.24E-02	3.33E-03	1.88E-03	1.50E-03	7.74E-04
317	570348.3	4215443	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.46E-03	7.54E-04
318	570341.7	4215450	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
319	570335.1	4215457	2.14E-02	1.21E-02	3.27E-03	1.85E-03	1.48E-03	7.60E-04
320	570328.5	4215463	2.12E-02	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.53E-04
321	570322	4215470	2.09E-02	1.18E-02	3.19E-03	1.80E-03	1.44E-03	7.40E-04
322	570315.4	4215477	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
323	570308.8	4215483	1.98E-02	1.12E-02	3.02E-03	1.70E-03	1.36E-03	7.01E-04
324	570302.2	4215490	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
325	570295.6	4215497	1.81E-02	1.03E-02	2.76E-03	1.56E-03	1.25E-03	6.42E-04
326	570289	4215503	1.72E-02	9.73E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
327	570365.1	4215394	2.16E-02	1.23E-02	3.30E-03	1.86E-03	1.49E-03	7.67E-04
328	570364.9	4215404	2.13E-02	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
329	570364.7	4215413	2.10E-02	1.19E-02	3.20E-03	1.81E-03	1.44E-03	7.43E-04
330	570357.6	4215447	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.15E-04
331	570351.2	4215454	2.04E-02	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
332	570344.7	4215460	2.04E-02	1.16E-02	3.11E-03	1.76E-03	1.41E-03	7.23E-04
333	570338.2	4215467	2.03E-02	1.15E-02	3.09E-03	1.75E-03	1.40E-03	7.19E-04
334	570331.8	4215473	2.00E-02	1.13E-02	3.05E-03	1.72E-03	1.38E-03	7.08E-04
335	570325.3	4215480	1.96E-02	1.11E-02	2.99E-03	1.68E-03	1.35E-03	6.94E-04
336	570318.8	4215486	1.90E-02	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.75E-04
337	570312.3	4215493	1.84E-02	1.04E-02	2.81E-03	1.58E-03	1.27E-03	6.52E-04
338	570305.9	4215499	1.76E-02	9.98E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
339	570299.4	4215506	1.68E-02	9.52E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
340	570292.9	4215513	1.59E-02	9.02E-03	2.43E-03	1.37E-03	1.10E-03	5.65E-04
341	570374.4	4215395	2.05E-02	1.16E-02	3.13E-03	1.77E-03	1.41E-03	7.27E-04
342	570374.2	4215405	2.02E-02	1.14E-02	3.08E-03	1.74E-03	1.39E-03	7.16E-04
343	570374	4215415	1.99E-02	1.13E-02	3.04E-03	1.72E-03	1.37E-03	7.07E-04
344	570366.4	4215451	1.92E-02	1.09E-02	2.93E-03	1.65E-03	1.32E-03	6.81E-04
345	570359.5	4215458	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
346	570352.6	4215465	1.95E-02	1.10E-02	2.97E-03	1.68E-03	1.34E-03	6.91E-04
347	570345.7	4215472	1.93E-02	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
348	570338.8	4215479	1.90E-02	1.08E-02	2.90E-03	1.64E-03	1.31E-03	6.74E-04
349	570331.9	4215486	1.86E-02	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.59E-04
350	570325	4215493	1.80E-02	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
351	570318.1	4215500	1.73E-02	9.82E-03	2.65E-03	1.49E-03	1.19E-03	6.15E-04
352	570311.2	4215507	1.66E-02	9.38E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
353	570304.3	4215514	1.57E-02	8.91E-03	2.40E-03	1.36E-03	1.08E-03	5.58E-04
354	570297.4	4215521	1.48E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
355	570383.8	4215390	1.96E-02	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
356	570383.6	4215400	1.94E-02	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.87E-04
357	570383.4	4215410	1.91E-02	1.08E-02	2.92E-03	1.65E-03	1.32E-03	6.79E-04
358	570382.7	4215439	1.83E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
359	570375.8	4215455	1.83E-02	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.48E-04
360	570369	4215462	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04

361	570362.2	4215469	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
362	570355.4	4215476	1.85E-02	1.05E-02	2.82E-03	1.59E-03	1.27E-03	6.55E-04
363	570348.7	4215483	1.82E-02	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
364	570341.9	4215489	1.79E-02	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
365	570335.1	4215496	1.74E-02	9.86E-03	2.66E-03	1.50E-03	1.20E-03	6.18E-04
366	570328.4	4215503	1.68E-02	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
367	570321.6	4215510	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
368	570314.8	4215517	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
369	570308.1	4215524	1.46E-02	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
370	570301.3	4215531	1.38E-02	7.83E-03	2.11E-03	1.19E-03	9.53E-04	4.90E-04
371	570393	4215395	1.86E-02	1.05E-02	2.83E-03	1.60E-03	1.28E-03	6.58E-04
372	570392.8	4215405	1.84E-02	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
373	570392.6	4215414	1.82E-02	1.03E-02	2.77E-03	1.57E-03	1.25E-03	6.44E-04
374	570392	4215443	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
375	570385.1	4215459	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
376	570378.4	4215466	1.76E-02	9.99E-03	2.69E-03	1.52E-03	1.21E-03	6.25E-04
377	570371.8	4215472	1.77E-02	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
378	570365.1	4215479	1.76E-02	1.00E-02	2.69E-03	1.52E-03	1.22E-03	6.26E-04
379	570358.5	4215486	1.75E-02	9.91E-03	2.67E-03	1.51E-03	1.21E-03	6.20E-04
380	570351.8	4215493	1.72E-02	9.75E-03	2.63E-03	1.48E-03	1.19E-03	6.11E-04
381	570345.1	4215499	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
382	570338.5	4215506	1.63E-02	9.23E-03	2.49E-03	1.40E-03	1.12E-03	5.78E-04
383	570331.8	4215513	1.57E-02	8.89E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
384	570325.2	4215520	1.50E-02	8.50E-03	2.29E-03	1.29E-03	1.03E-03	5.32E-04
385	570318.5	4215526	1.43E-02	8.10E-03	2.18E-03	1.23E-03	9.86E-04	5.07E-04
386	570311.9	4215533	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
387	570305.2	4215540	1.29E-02	7.31E-03	1.97E-03	1.11E-03	8.89E-04	4.58E-04
388	570402.4	4215391	1.77E-02	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
389	570402.2	4215400	1.76E-02	9.97E-03	2.69E-03	1.52E-03	1.21E-03	6.24E-04
390	570402	4215409	1.74E-02	9.88E-03	2.66E-03	1.50E-03	1.20E-03	6.19E-04
391	570401.2	4215447	1.66E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
392	570394.4	4215463	1.66E-02	9.42E-03	2.54E-03	1.43E-03	1.15E-03	5.90E-04
393	570387.8	4215469	1.68E-02	9.52E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
394	570381.3	4215476	1.69E-02	9.57E-03	2.58E-03	1.46E-03	1.16E-03	5.99E-04
395	570374.7	4215483	1.69E-02	9.56E-03	2.58E-03	1.45E-03	1.16E-03	5.99E-04
396	570368.2	4215489	1.68E-02	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
397	570361.6	4215496	1.65E-02	9.37E-03	2.53E-03	1.42E-03	1.14E-03	5.87E-04
398	570355	4215503	1.62E-02	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
399	570348.5	4215509	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
400	570341.9	4215516	1.53E-02	8.64E-03	2.33E-03	1.31E-03	1.05E-03	5.41E-04
401	570335.4	4215523	1.47E-02	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
402	570328.8	4215529	1.40E-02	7.94E-03	2.14E-03	1.21E-03	9.66E-04	4.97E-04
403	570322.3	4215536	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
404	570315.7	4215542	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.51E-04
405	570309.1	4215549	1.20E-02	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.27E-04
406	570411.7	4215391	1.69E-02	9.59E-03	2.58E-03	1.46E-03	1.17E-03	6.00E-04
407	570411.5	4215401	1.68E-02	9.51E-03	2.56E-03	1.45E-03	1.16E-03	5.96E-04
408	570411.3	4215411	1.67E-02	9.43E-03	2.54E-03	1.43E-03	1.15E-03	5.91E-04
409	570410.6	4215440	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
410	570410.4	4215450	1.59E-02	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
411	570403.3	4215467	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.09E-03	5.63E-04
412	570396.3	4215474	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04

413	570389.4	4215481	1.61E-02	9.14E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
414	570382.5	4215488	1.62E-02	9.15E-03	2.47E-03	1.39E-03	1.11E-03	5.73E-04
415	570375.6	4215495	1.60E-02	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.68E-04
416	570368.7	4215502	1.58E-02	8.94E-03	2.41E-03	1.36E-03	1.09E-03	5.59E-04
417	570361.8	4215509	1.54E-02	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
418	570354.9	4215516	1.50E-02	8.52E-03	2.30E-03	1.30E-03	1.04E-03	5.33E-04
419	570348	4215523	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
420	570341.1	4215530	1.39E-02	7.88E-03	2.12E-03	1.20E-03	9.59E-04	4.94E-04
421	570334.2	4215537	1.33E-02	7.53E-03	2.03E-03	1.15E-03	9.16E-04	4.71E-04
422	570327.3	4215544	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
423	570320.4	4215551	1.20E-02	6.77E-03	1.82E-03	1.03E-03	8.23E-04	4.24E-04
424	570313.5	4215558	1.12E-02	6.37E-03	1.72E-03	9.69E-04	7.75E-04	3.99E-04
425	570421.1	4215386	1.62E-02	9.18E-03	2.47E-03	1.40E-03	1.12E-03	5.75E-04
426	570420.9	4215396	1.61E-02	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
427	570420.7	4215406	1.60E-02	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
428	570420.5	4215415	1.59E-02	9.00E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
429	570419.8	4215444	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
430	570419.6	4215454	1.52E-02	8.60E-03	2.32E-03	1.31E-03	1.05E-03	5.39E-04
431	570412.6	4215471	1.52E-02	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
432	570405.8	4215478	1.53E-02	8.66E-03	2.33E-03	1.32E-03	1.05E-03	5.42E-04
433	570399	4215484	1.54E-02	8.71E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
434	570392.2	4215491	1.54E-02	8.73E-03	2.35E-03	1.33E-03	1.06E-03	5.47E-04
435	570385.4	4215498	1.54E-02	8.71E-03	2.35E-03	1.32E-03	1.06E-03	5.45E-04
436	570378.6	4215505	1.52E-02	8.59E-03	2.31E-03	1.31E-03	1.04E-03	5.38E-04
437	570371.8	4215512	1.49E-02	8.42E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
438	570365	4215519	1.45E-02	8.22E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
439	570358.2	4215526	1.41E-02	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
440	570351.4	4215533	1.36E-02	7.70E-03	2.08E-03	1.17E-03	9.37E-04	4.82E-04
441	570344.6	4215540	1.30E-02	7.38E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
442	570337.8	4215547	1.24E-02	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
443	570331	4215553	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.12E-04	4.18E-04
444	570324.2	4215560	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
445	570317.4	4215567	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
446	570430.5	4215382	1.55E-02	8.77E-03	2.36E-03	1.33E-03	1.07E-03	5.49E-04
447	570430.3	4215391	1.55E-02	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
448	570430.1	4215401	1.54E-02	8.72E-03	2.35E-03	1.33E-03	1.06E-03	5.46E-04
449	570429.9	4215410	1.53E-02	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
450	570429.2	4215439	1.49E-02	8.41E-03	2.27E-03	1.28E-03	1.02E-03	5.27E-04
451	570429	4215449	1.47E-02	8.32E-03	2.24E-03	1.27E-03	1.01E-03	5.21E-04
452	570428.8	4215458	1.45E-02	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
453	570421.9	4215474	1.44E-02	8.17E-03	2.20E-03	1.24E-03	9.94E-04	5.12E-04
454	570415.2	4215481	1.46E-02	8.26E-03	2.23E-03	1.26E-03	1.01E-03	5.17E-04
455	570408.5	4215488	1.47E-02	8.32E-03	2.24E-03	1.26E-03	1.01E-03	5.21E-04
456	570401.8	4215495	1.47E-02	8.34E-03	2.25E-03	1.27E-03	1.01E-03	5.22E-04
457	570395.1	4215502	1.47E-02	8.31E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
458	570388.4	4215508	1.45E-02	8.23E-03	2.22E-03	1.25E-03	1.00E-03	5.15E-04
459	570381.7	4215515	1.43E-02	8.11E-03	2.19E-03	1.23E-03	9.86E-04	5.08E-04
460	570375	4215522	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
461	570368.3	4215529	1.36E-02	7.72E-03	2.08E-03	1.17E-03	9.39E-04	4.83E-04
462	570361.6	4215536	1.32E-02	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
463	570354.9	4215542	1.27E-02	7.20E-03	1.94E-03	1.10E-03	8.76E-04	4.51E-04
464	570348.2	4215549	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04

465	570341.5	4215556	1.16E-02	6.57E-03	1.77E-03	9.99E-04	7.99E-04	4.11E-04
466	570334.8	4215563	1.10E-02	6.23E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
467	570328.1	4215570	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
468	570321.4	4215576	9.70E-03	5.50E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
469	570439.7	4215387	1.48E-02	8.38E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
470	570439.5	4215396	1.48E-02	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.24E-04
471	570439.3	4215406	1.47E-02	8.35E-03	2.25E-03	1.27E-03	1.02E-03	5.23E-04
472	570439.1	4215415	1.46E-02	8.29E-03	2.24E-03	1.26E-03	1.01E-03	5.19E-04
473	570438.4	4215443	1.42E-02	8.04E-03	2.17E-03	1.22E-03	9.78E-04	5.03E-04
474	570438.2	4215453	1.40E-02	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
475	570438	4215462	1.38E-02	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
476	570431.2	4215478	1.37E-02	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
477	570424.6	4215485	1.39E-02	7.86E-03	2.12E-03	1.20E-03	9.56E-04	4.92E-04
478	570417.9	4215492	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.64E-04	4.96E-04
479	570411.3	4215498	1.40E-02	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
480	570404.7	4215505	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
481	570398.1	4215512	1.39E-02	7.87E-03	2.12E-03	1.20E-03	9.58E-04	4.93E-04
482	570391.5	4215519	1.37E-02	7.78E-03	2.10E-03	1.18E-03	9.46E-04	4.87E-04
483	570384.9	4215525	1.35E-02	7.64E-03	2.06E-03	1.16E-03	9.30E-04	4.79E-04
484	570378.2	4215532	1.32E-02	7.45E-03	2.01E-03	1.13E-03	9.07E-04	4.67E-04
485	570371.6	4215539	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
486	570365	4215545	1.23E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
487	570358.4	4215552	1.19E-02	6.73E-03	1.81E-03	1.02E-03	8.19E-04	4.22E-04
488	570351.8	4215559	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.03E-04
489	570345.2	4215566	1.08E-02	6.13E-03	1.65E-03	9.32E-04	7.45E-04	3.84E-04
490	570338.6	4215572	1.02E-02	5.80E-03	1.56E-03	8.82E-04	7.05E-04	3.63E-04
491	570331.9	4215579	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
492	570325.3	4215586	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
493	570449.2	4215377	1.42E-02	8.03E-03	2.16E-03	1.22E-03	9.77E-04	5.03E-04
494	570449	4215387	1.42E-02	8.03E-03	2.17E-03	1.22E-03	9.77E-04	5.03E-04
495	570448.8	4215397	1.42E-02	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
496	570448.5	4215407	1.41E-02	7.99E-03	2.15E-03	1.22E-03	9.72E-04	5.00E-04
497	570448.3	4215416	1.40E-02	7.93E-03	2.14E-03	1.21E-03	9.65E-04	4.97E-04
498	570447.7	4215446	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
499	570447.4	4215456	1.34E-02	7.60E-03	2.05E-03	1.16E-03	9.24E-04	4.76E-04
500	570447.2	4215466	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
501	570440.1	4215482	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
502	570433.2	4215489	1.32E-02	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
503	570426.3	4215496	1.33E-02	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.73E-04
504	570419.4	4215503	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.75E-04
505	570412.5	4215510	1.34E-02	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
506	570405.6	4215517	1.33E-02	7.52E-03	2.03E-03	1.14E-03	9.14E-04	4.71E-04
507	570398.7	4215524	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
508	570391.8	4215531	1.28E-02	7.28E-03	1.96E-03	1.11E-03	8.85E-04	4.56E-04
509	570384.9	4215538	1.25E-02	7.10E-03	1.91E-03	1.08E-03	8.63E-04	4.44E-04
510	570378	4215546	1.21E-02	6.88E-03	1.86E-03	1.05E-03	8.37E-04	4.31E-04
511	570371.1	4215553	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
512	570364.2	4215560	1.13E-02	6.38E-03	1.72E-03	9.70E-04	7.76E-04	3.99E-04
513	570357.3	4215567	1.08E-02	6.09E-03	1.64E-03	9.26E-04	7.41E-04	3.81E-04
514	570350.4	4215574	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
515	570343.5	4215581	9.64E-03	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
516	570336.5	4215588	9.05E-03	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04

517	570329.6	4215595	8.48E-03	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
518	570458.6	4215373	1.36E-02	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
519	570458.4	4215382	1.36E-02	7.71E-03	2.08E-03	1.17E-03	9.38E-04	4.83E-04
520	570458.2	4215392	1.36E-02	7.69E-03	2.07E-03	1.17E-03	9.36E-04	4.82E-04
521	570458	4215402	1.35E-02	7.66E-03	2.06E-03	1.16E-03	9.31E-04	4.79E-04
522	570457.7	4215411	1.34E-02	7.61E-03	2.05E-03	1.16E-03	9.26E-04	4.77E-04
523	570457.1	4215441	1.31E-02	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
524	570456.9	4215450	1.29E-02	7.34E-03	1.98E-03	1.12E-03	8.92E-04	4.59E-04
525	570456.6	4215460	1.28E-02	7.24E-03	1.95E-03	1.10E-03	8.80E-04	4.53E-04
526	570456.4	4215470	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
527	570449.4	4215486	1.25E-02	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
528	570442.6	4215493	1.26E-02	7.13E-03	1.92E-03	1.09E-03	8.68E-04	4.47E-04
529	570435.8	4215500	1.27E-02	7.18E-03	1.94E-03	1.09E-03	8.74E-04	4.50E-04
530	570429	4215507	1.27E-02	7.21E-03	1.94E-03	1.10E-03	8.77E-04	4.52E-04
531	570422.1	4215514	1.27E-02	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04
532	570415.3	4215521	1.27E-02	7.20E-03	1.94E-03	1.09E-03	8.76E-04	4.51E-04
533	570408.5	4215528	1.26E-02	7.12E-03	1.92E-03	1.08E-03	8.66E-04	4.46E-04
534	570401.7	4215535	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
535	570394.9	4215542	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
536	570388.1	4215548	1.18E-02	6.66E-03	1.80E-03	1.01E-03	8.11E-04	4.17E-04
537	570381.3	4215555	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
538	570374.5	4215562	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
539	570367.6	4215569	1.05E-02	5.96E-03	1.61E-03	9.06E-04	7.25E-04	3.73E-04
540	570360.8	4215576	1.00E-02	5.69E-03	1.53E-03	8.65E-04	6.92E-04	3.56E-04
541	570354	4215583	9.53E-03	5.40E-03	1.45E-03	8.21E-04	6.57E-04	3.38E-04
542	570347.2	4215590	9.00E-03	5.10E-03	1.37E-03	7.75E-04	6.20E-04	3.19E-04
543	570340.4	4215597	8.46E-03	4.80E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
544	570333.6	4215604	7.94E-03	4.50E-03	1.21E-03	6.84E-04	5.47E-04	2.82E-04
545	570468	4215368	1.31E-02	7.44E-03	2.01E-03	1.13E-03	9.05E-04	4.66E-04
546	570467.8	4215378	1.31E-02	7.43E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
547	570467.6	4215387	1.31E-02	7.40E-03	1.99E-03	1.12E-03	9.00E-04	4.63E-04
548	570467.4	4215397	1.30E-02	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
549	570467.1	4215407	1.29E-02	7.30E-03	1.97E-03	1.11E-03	8.88E-04	4.57E-04
550	570466.9	4215416	1.28E-02	7.27E-03	1.96E-03	1.11E-03	8.84E-04	4.55E-04
551	570466.3	4215445	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
552	570466.1	4215454	1.24E-02	7.00E-03	1.89E-03	1.06E-03	8.51E-04	4.38E-04
553	570465.8	4215464	1.22E-02	6.90E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
554	570465.6	4215474	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
555	570458.7	4215490	1.19E-02	6.71E-03	1.81E-03	1.02E-03	8.17E-04	4.20E-04
556	570452	4215497	1.20E-02	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
557	570445.2	4215504	1.21E-02	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
558	570438.5	4215511	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
559	570431.8	4215517	1.21E-02	6.88E-03	1.85E-03	1.05E-03	8.37E-04	4.31E-04
560	570425	4215524	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
561	570418.3	4215531	1.20E-02	6.82E-03	1.84E-03	1.04E-03	8.30E-04	4.27E-04
562	570411.6	4215538	1.19E-02	6.74E-03	1.82E-03	1.02E-03	8.19E-04	4.22E-04
563	570404.8	4215545	1.17E-02	6.60E-03	1.78E-03	1.00E-03	8.03E-04	4.13E-04
564	570398.1	4215552	1.14E-02	6.44E-03	1.74E-03	9.80E-04	7.84E-04	4.04E-04
565	570391.4	4215558	1.10E-02	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
566	570384.7	4215565	1.07E-02	6.05E-03	1.63E-03	9.19E-04	7.35E-04	3.79E-04
567	570377.9	4215572	1.03E-02	5.82E-03	1.57E-03	8.85E-04	7.08E-04	3.64E-04
568	570371.2	4215579	9.84E-03	5.57E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04

569	570364.5	4215586	9.39E-03	5.32E-03	1.43E-03	8.09E-04	6.47E-04	3.33E-04
570	570357.7	4215593	8.91E-03	5.05E-03	1.36E-03	7.68E-04	6.14E-04	3.16E-04
571	570351	4215599	8.42E-03	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
572	570344.3	4215606	7.93E-03	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
573	570337.5	4215613	7.45E-03	4.22E-03	1.14E-03	6.42E-04	5.13E-04	2.64E-04
574	570477.4	4215364	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.72E-04	4.49E-04
575	570477.2	4215373	1.26E-02	7.16E-03	1.93E-03	1.09E-03	8.71E-04	4.48E-04
576	570477	4215383	1.26E-02	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
577	570476.8	4215392	1.25E-02	7.09E-03	1.91E-03	1.08E-03	8.62E-04	4.44E-04
578	570476.5	4215402	1.24E-02	7.03E-03	1.90E-03	1.07E-03	8.56E-04	4.40E-04
579	570476.3	4215411	1.23E-02	6.99E-03	1.88E-03	1.06E-03	8.50E-04	4.38E-04
580	570475.7	4215440	1.21E-02	6.85E-03	1.85E-03	1.04E-03	8.33E-04	4.29E-04
581	570475.5	4215449	1.20E-02	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
582	570475.3	4215459	1.18E-02	6.68E-03	1.80E-03	1.02E-03	8.13E-04	4.18E-04
583	570475	4215468	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
584	570474.8	4215478	1.14E-02	6.46E-03	1.74E-03	9.82E-04	7.85E-04	4.04E-04
585	570468	4215494	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
586	570461.3	4215501	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.84E-04	4.04E-04
587	570454.7	4215507	1.15E-02	6.50E-03	1.75E-03	9.88E-04	7.90E-04	4.07E-04
588	570448	4215514	1.15E-02	6.54E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
589	570441.3	4215521	1.16E-02	6.56E-03	1.77E-03	9.97E-04	7.98E-04	4.11E-04
590	570434.7	4215528	1.16E-02	6.55E-03	1.76E-03	9.96E-04	7.96E-04	4.10E-04
591	570428	4215534	1.15E-02	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
592	570421.4	4215541	1.14E-02	6.45E-03	1.74E-03	9.81E-04	7.85E-04	4.04E-04
593	570414.7	4215548	1.12E-02	6.37E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
594	570408.1	4215555	1.10E-02	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
595	570401.4	4215561	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.80E-04
596	570394.7	4215568	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.14E-04	3.68E-04
597	570388.1	4215575	1.00E-02	5.67E-03	1.53E-03	8.62E-04	6.89E-04	3.55E-04
598	570381.4	4215582	9.62E-03	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
599	570374.8	4215588	9.21E-03	5.22E-03	1.41E-03	7.94E-04	6.35E-04	3.27E-04
600	570368.1	4215595	8.78E-03	4.97E-03	1.34E-03	7.57E-04	6.05E-04	3.11E-04
601	570361.5	4215602	8.34E-03	4.72E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
602	570354.8	4215609	7.89E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
603	570348.2	4215615	7.44E-03	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
604	570341.5	4215622	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
605	570486.7	4215363	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.39E-04	4.32E-04
606	570486.5	4215373	1.22E-02	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
607	570486.3	4215383	1.21E-02	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
608	570486	4215393	1.21E-02	6.83E-03	1.84E-03	1.04E-03	8.31E-04	4.28E-04
609	570485.8	4215403	1.20E-02	6.79E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
610	570485.6	4215412	1.19E-02	6.74E-03	1.82E-03	1.03E-03	8.20E-04	4.22E-04
611	570484.9	4215442	1.16E-02	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
612	570484.7	4215452	1.15E-02	6.50E-03	1.75E-03	9.89E-04	7.91E-04	4.07E-04
613	570484.5	4215462	1.13E-02	6.42E-03	1.73E-03	9.76E-04	7.80E-04	4.02E-04
614	570484.3	4215471	1.11E-02	6.31E-03	1.70E-03	9.59E-04	7.67E-04	3.95E-04
615	570484.1	4215481	1.09E-02	6.19E-03	1.67E-03	9.41E-04	7.52E-04	3.87E-04
616	570476.9	4215498	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
617	570470	4215505	1.08E-02	6.14E-03	1.65E-03	9.34E-04	7.47E-04	3.84E-04
618	570463.1	4215512	1.09E-02	6.18E-03	1.67E-03	9.40E-04	7.52E-04	3.87E-04
619	570456.2	4215519	1.10E-02	6.22E-03	1.68E-03	9.45E-04	7.56E-04	3.89E-04
620	570449.3	4215526	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04

621	570442.4	4215533	1.10E-02	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
622	570435.5	4215540	1.09E-02	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
623	570428.6	4215547	1.08E-02	6.14E-03	1.66E-03	9.34E-04	7.47E-04	3.85E-04
624	570421.7	4215554	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.37E-04	3.79E-04
625	570414.8	4215561	1.05E-02	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
626	570407.9	4215568	1.02E-02	5.78E-03	1.56E-03	8.79E-04	7.03E-04	3.62E-04
627	570401	4215575	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
628	570394.1	4215582	9.52E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
629	570387.2	4215589	9.14E-03	5.18E-03	1.40E-03	7.88E-04	6.30E-04	3.24E-04
630	570380.3	4215596	8.74E-03	4.95E-03	1.33E-03	7.53E-04	6.02E-04	3.10E-04
631	570373.4	4215603	8.32E-03	4.72E-03	1.27E-03	7.17E-04	5.74E-04	2.95E-04
632	570366.5	4215610	7.90E-03	4.47E-03	1.21E-03	6.80E-04	5.44E-04	2.80E-04
633	570359.6	4215617	7.46E-03	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
634	570352.7	4215624	7.03E-03	3.98E-03	1.07E-03	6.06E-04	4.85E-04	2.49E-04
635	570345.8	4215631	6.61E-03	3.75E-03	1.01E-03	5.70E-04	4.56E-04	2.35E-04
636	570496.1	4215359	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.15E-04
637	570495.9	4215369	1.17E-02	6.64E-03	1.79E-03	1.01E-03	8.07E-04	4.16E-04
638	570495.7	4215378	1.17E-02	6.63E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
639	570495.5	4215388	1.17E-02	6.61E-03	1.78E-03	1.00E-03	8.04E-04	4.14E-04
640	570495.2	4215398	1.16E-02	6.57E-03	1.77E-03	1.00E-03	8.00E-04	4.12E-04
641	570495	4215407	1.15E-02	6.53E-03	1.76E-03	9.94E-04	7.95E-04	4.09E-04
642	570494.8	4215417	1.15E-02	6.49E-03	1.75E-03	9.87E-04	7.90E-04	4.06E-04
643	570494.1	4215446	1.11E-02	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
644	570493.9	4215456	1.10E-02	6.24E-03	1.68E-03	9.48E-04	7.59E-04	3.90E-04
645	570493.7	4215466	1.09E-02	6.15E-03	1.66E-03	9.35E-04	7.48E-04	3.85E-04
646	570493.5	4215475	1.07E-02	6.04E-03	1.63E-03	9.19E-04	7.35E-04	3.78E-04
647	570493.3	4215485	1.05E-02	5.92E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
648	570486.2	4215502	1.03E-02	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.66E-04
649	570479.4	4215509	1.04E-02	5.86E-03	1.58E-03	8.92E-04	7.13E-04	3.67E-04
650	570472.6	4215516	1.04E-02	5.88E-03	1.58E-03	8.94E-04	7.15E-04	3.68E-04
651	570465.7	4215523	1.04E-02	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
652	570458.9	4215530	1.05E-02	5.93E-03	1.60E-03	9.01E-04	7.21E-04	3.71E-04
653	570452.1	4215536	1.05E-02	5.93E-03	1.60E-03	9.02E-04	7.21E-04	3.71E-04
654	570445.3	4215543	1.04E-02	5.92E-03	1.59E-03	9.00E-04	7.20E-04	3.71E-04
655	570438.4	4215550	1.04E-02	5.87E-03	1.58E-03	8.93E-04	7.15E-04	3.68E-04
656	570431.6	4215557	1.02E-02	5.81E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
657	570424.8	4215564	1.01E-02	5.71E-03	1.54E-03	8.68E-04	6.94E-04	3.57E-04
658	570418	4215571	9.86E-03	5.58E-03	1.51E-03	8.49E-04	6.79E-04	3.50E-04
659	570411.1	4215578	9.59E-03	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
660	570404.3	4215585	9.27E-03	5.25E-03	1.42E-03	7.99E-04	6.39E-04	3.29E-04
661	570397.5	4215592	8.93E-03	5.06E-03	1.36E-03	7.70E-04	6.15E-04	3.17E-04
662	570390.7	4215599	8.57E-03	4.86E-03	1.31E-03	7.39E-04	5.91E-04	3.04E-04
663	570383.9	4215606	8.20E-03	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
664	570377	4215613	7.81E-03	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
665	570370.2	4215620	7.41E-03	4.20E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
666	570363.4	4215627	7.00E-03	3.97E-03	1.07E-03	6.03E-04	4.83E-04	2.48E-04
667	570356.6	4215633	6.61E-03	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
668	570349.7	4215640	6.22E-03	3.52E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
669	570505.5	4215355	1.13E-02	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
670	570505.3	4215364	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.01E-04
671	570505.1	4215374	1.13E-02	6.40E-03	1.72E-03	9.73E-04	7.78E-04	4.00E-04
672	570504.9	4215383	1.13E-02	6.39E-03	1.72E-03	9.71E-04	7.77E-04	4.00E-04

673	570504.6	4215393	1.12E-02	6.36E-03	1.72E-03	9.68E-04	7.74E-04	3.99E-04
674	570504.4	4215403	1.12E-02	6.33E-03	1.71E-03	9.64E-04	7.71E-04	3.97E-04
675	570504.2	4215412	1.11E-02	6.30E-03	1.70E-03	9.57E-04	7.66E-04	3.94E-04
676	570503.6	4215441	1.08E-02	6.12E-03	1.65E-03	9.31E-04	7.45E-04	3.83E-04
677	570503.3	4215451	1.07E-02	6.06E-03	1.63E-03	9.21E-04	7.37E-04	3.79E-04
678	570503.1	4215460	1.06E-02	5.98E-03	1.61E-03	9.10E-04	7.28E-04	3.75E-04
679	570502.9	4215470	1.04E-02	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
680	570502.7	4215480	1.02E-02	5.79E-03	1.56E-03	8.80E-04	7.04E-04	3.62E-04
681	570502.5	4215489	1.00E-02	5.68E-03	1.53E-03	8.63E-04	6.91E-04	3.55E-04
682	570495.5	4215506	9.87E-03	5.59E-03	1.51E-03	8.51E-04	6.80E-04	3.50E-04
683	570488.7	4215513	9.92E-03	5.62E-03	1.51E-03	8.55E-04	6.83E-04	3.52E-04
684	570482	4215519	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.53E-04
685	570475.2	4215526	9.93E-03	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
686	570468.5	4215533	9.95E-03	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
687	570461.7	4215540	9.95E-03	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
688	570455	4215547	9.94E-03	5.63E-03	1.52E-03	8.56E-04	6.85E-04	3.52E-04
689	570448.2	4215554	9.90E-03	5.61E-03	1.51E-03	8.53E-04	6.82E-04	3.51E-04
690	570441.5	4215561	9.81E-03	5.56E-03	1.50E-03	8.45E-04	6.76E-04	3.48E-04
691	570434.7	4215567	9.66E-03	5.47E-03	1.48E-03	8.32E-04	6.66E-04	3.43E-04
692	570428	4215574	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
693	570421.2	4215581	9.27E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
694	570414.5	4215588	9.01E-03	5.11E-03	1.38E-03	7.77E-04	6.21E-04	3.20E-04
695	570407.7	4215595	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
696	570401	4215602	8.38E-03	4.75E-03	1.28E-03	7.22E-04	5.78E-04	2.97E-04
697	570394.2	4215608	8.04E-03	4.56E-03	1.23E-03	6.93E-04	5.54E-04	2.85E-04
698	570387.5	4215615	7.69E-03	4.36E-03	1.17E-03	6.63E-04	5.30E-04	2.73E-04
699	570380.7	4215622	7.33E-03	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
700	570373.9	4215629	6.95E-03	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
701	570367.2	4215636	6.58E-03	3.73E-03	1.00E-03	5.67E-04	4.53E-04	2.33E-04
702	570360.4	4215643	6.21E-03	3.52E-03	9.49E-04	5.35E-04	4.28E-04	2.20E-04
703	570353.7	4215650	5.85E-03	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
704	570514.9	4215350	1.09E-02	6.16E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
705	570514.7	4215360	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
706	570514.5	4215369	1.09E-02	6.17E-03	1.66E-03	9.39E-04	7.51E-04	3.86E-04
707	570514.3	4215379	1.09E-02	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
708	570514	4215388	1.09E-02	6.15E-03	1.66E-03	9.36E-04	7.49E-04	3.85E-04
709	570513.8	4215398	1.08E-02	6.13E-03	1.65E-03	9.33E-04	7.46E-04	3.84E-04
710	570513.6	4215407	1.08E-02	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
711	570513.4	4215417	1.07E-02	6.06E-03	1.63E-03	9.22E-04	7.38E-04	3.80E-04
712	570512.7	4215446	1.04E-02	5.90E-03	1.59E-03	8.98E-04	7.18E-04	3.69E-04
713	570512.5	4215455	1.03E-02	5.83E-03	1.57E-03	8.87E-04	7.10E-04	3.65E-04
714	570512.3	4215465	1.02E-02	5.76E-03	1.55E-03	8.76E-04	7.01E-04	3.61E-04
715	570512.1	4215474	1.00E-02	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
716	570511.9	4215484	9.85E-03	5.58E-03	1.50E-03	8.48E-04	6.78E-04	3.49E-04
717	570511.7	4215493	9.66E-03	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
718	570504.8	4215510	9.48E-03	5.37E-03	1.45E-03	8.17E-04	6.53E-04	3.36E-04
719	570498.1	4215516	9.51E-03	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.37E-04
720	570491.4	4215523	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
721	570484.7	4215530	9.53E-03	5.40E-03	1.46E-03	8.21E-04	6.57E-04	3.38E-04
722	570478	4215537	9.51E-03	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
723	570471.3	4215543	9.47E-03	5.37E-03	1.45E-03	8.16E-04	6.53E-04	3.36E-04
724	570464.7	4215550	9.46E-03	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.36E-04

725	570458	4215557	9.43E-03	5.34E-03	1.44E-03	8.12E-04	6.50E-04	3.34E-04
726	570451.3	4215564	9.36E-03	5.30E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
727	570444.6	4215571	9.26E-03	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
728	570437.9	4215577	9.11E-03	5.16E-03	1.39E-03	7.85E-04	6.28E-04	3.23E-04
729	570431.2	4215584	8.93E-03	5.06E-03	1.36E-03	7.69E-04	6.15E-04	3.17E-04
730	570424.5	4215591	8.71E-03	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
731	570417.8	4215598	8.46E-03	4.79E-03	1.29E-03	7.29E-04	5.83E-04	3.00E-04
732	570411.2	4215605	8.18E-03	4.63E-03	1.25E-03	7.05E-04	5.64E-04	2.90E-04
733	570404.5	4215611	7.87E-03	4.46E-03	1.20E-03	6.78E-04	5.42E-04	2.79E-04
734	570397.8	4215618	7.55E-03	4.28E-03	1.15E-03	6.51E-04	5.20E-04	2.68E-04
735	570391.1	4215625	7.22E-03	4.09E-03	1.10E-03	6.22E-04	4.97E-04	2.56E-04
736	570384.4	4215632	6.88E-03	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
737	570377.7	4215638	6.53E-03	3.70E-03	9.97E-04	5.63E-04	4.50E-04	2.32E-04
738	570371	4215645	6.19E-03	3.50E-03	9.45E-04	5.33E-04	4.26E-04	2.19E-04
739	570364.3	4215652	5.84E-03	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04
740	570357.7	4215659	5.51E-03	3.12E-03	8.42E-04	4.75E-04	3.80E-04	1.96E-04
741	569937.1	4214980	3.89E-03	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
742	569941.8	4214988	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
743	569895.6	4214925	2.81E-03	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
744	569900.3	4214934	2.91E-03	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
745	569905	4214942	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.08E-04	1.07E-04
746	569909.6	4214951	3.16E-03	1.79E-03	4.83E-04	2.72E-04	2.18E-04	1.12E-04
747	569914.3	4214959	3.33E-03	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
748	569919	4214968	3.53E-03	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
749	569923.7	4214976	3.76E-03	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
750	569928.3	4214985	4.01E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
751	569933	4214993	4.31E-03	2.44E-03	6.58E-04	3.72E-04	2.97E-04	1.53E-04
752	569877.5	4214913	2.70E-03	1.53E-03	4.13E-04	2.33E-04	1.86E-04	9.59E-05
753	569882.2	4214922	2.78E-03	1.57E-03	4.24E-04	2.39E-04	1.92E-04	9.86E-05
754	569886.9	4214930	2.87E-03	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
755	569891.5	4214939	2.97E-03	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
756	569896.2	4214947	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
757	569900.9	4214956	3.24E-03	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
758	569905.5	4214964	3.43E-03	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
759	569910.2	4214973	3.65E-03	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
760	569914.9	4214981	3.88E-03	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
761	569919.6	4214990	4.16E-03	2.36E-03	6.35E-04	3.58E-04	2.86E-04	1.47E-04
762	569924.2	4214998	4.48E-03	2.54E-03	6.83E-04	3.86E-04	3.08E-04	1.59E-04
763	569928.9	4215007	4.84E-03	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.72E-04
764	569868.7	4214918	2.76E-03	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.78E-05
765	569873.4	4214926	2.84E-03	1.61E-03	4.33E-04	2.44E-04	1.96E-04	1.01E-04
766	569878.1	4214935	2.93E-03	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
767	569882.8	4214943	3.04E-03	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
768	569887.4	4214952	3.17E-03	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04
769	569892.1	4214960	3.34E-03	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
770	569896.8	4214969	3.54E-03	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
771	569901.5	4214977	3.77E-03	2.13E-03	5.75E-04	3.25E-04	2.60E-04	1.34E-04
772	569906.1	4214986	4.02E-03	2.27E-03	6.13E-04	3.46E-04	2.77E-04	1.42E-04
773	569910.8	4214994	4.31E-03	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
774	569915.5	4215003	4.65E-03	2.64E-03	7.10E-04	4.01E-04	3.21E-04	1.65E-04
775	569920.2	4215011	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
776	569860	4214923	2.82E-03	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04

777	569864.7	4214931	2.90E-03	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
778	569869.3	4214940	2.99E-03	1.70E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
779	569874	4214948	3.11E-03	1.76E-03	4.75E-04	2.68E-04	2.15E-04	1.10E-04
780	569878.7	4214957	3.26E-03	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
781	569883.3	4214965	3.45E-03	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
782	569888	4214974	3.66E-03	2.07E-03	5.59E-04	3.16E-04	2.52E-04	1.30E-04
783	569892.7	4214982	3.90E-03	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
784	569897.4	4214991	4.17E-03	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
785	569902	4214999	4.48E-03	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
786	569906.7	4215008	4.84E-03	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
787	569911.4	4215016	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
788	569851.2	4214927	2.88E-03	1.63E-03	4.40E-04	2.48E-04	1.98E-04	1.02E-04
789	569855.9	4214936	2.96E-03	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
790	569860.6	4214944	3.07E-03	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
791	569865.2	4214953	3.20E-03	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
792	569869.9	4214961	3.36E-03	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
793	569874.6	4214970	3.56E-03	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
794	569879.3	4214978	3.79E-03	2.14E-03	5.78E-04	3.26E-04	2.61E-04	1.34E-04
795	569883.9	4214987	4.03E-03	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
796	569888.6	4214996	4.33E-03	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
797	569893.3	4215004	4.66E-03	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
798	569898	4215013	5.04E-03	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
799	569902.6	4215021	5.47E-03	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
800	569842.5	4214932	2.94E-03	1.66E-03	4.49E-04	2.53E-04	2.02E-04	1.04E-04
801	569847.1	4214941	3.03E-03	1.71E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
802	569851.8	4214949	3.14E-03	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
803	569856.5	4214958	3.29E-03	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
804	569861.1	4214966	3.47E-03	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
805	569865.8	4214975	3.68E-03	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
806	569870.5	4214983	3.91E-03	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
807	569875.2	4214992	4.18E-03	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
808	569879.8	4215000	4.49E-03	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
809	569884.5	4215009	4.85E-03	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
810	569889.2	4215017	5.25E-03	2.97E-03	8.01E-04	4.52E-04	3.62E-04	1.86E-04
811	569893.9	4215026	5.70E-03	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
812	569833.7	4214937	3.00E-03	1.70E-03	4.58E-04	2.58E-04	2.07E-04	1.06E-04
813	569838.4	4214946	3.10E-03	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
814	569843	4214954	3.22E-03	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
815	569847.7	4214963	0.003388	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
816	569852.4	4214971	0.003582	2.03E-03	5.47E-04	3.09E-04	2.47E-04	1.27E-04
817	569857.1	4214980	0.003798	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
818	569861.7	4214988	0.004041	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
819	569866.4	4214997	0.004335	2.46E-03	6.62E-04	3.74E-04	2.99E-04	1.54E-04
820	569871.1	4215005	0.004666	2.64E-03	7.12E-04	4.02E-04	3.22E-04	1.66E-04
821	569875.8	4215014	0.00504	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
822	569880.4	4215022	0.005459	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
823	569885.1	4215031	0.005936	3.36E-03	9.06E-04	5.11E-04	4.09E-04	2.11E-04
824	569941.2	4215133	0.035708	2.02E-02	5.45E-03	3.08E-03	2.46E-03	1.27E-03
825	569945.9	4215141	0.03983	2.26E-02	6.08E-03	3.43E-03	2.74E-03	1.41E-03
826	569950.6	4215150	0.043832	2.48E-02	6.69E-03	3.78E-03	3.02E-03	1.55E-03
827	569824.9	4214942	0.003065	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
828	569829.6	4214950	0.003173	1.80E-03	4.85E-04	2.73E-04	2.19E-04	1.13E-04

829	569834.3	4214959	0.003315	1.88E-03	5.06E-04	2.86E-04	2.28E-04	1.18E-04
830	569838.9	4214967	0.003493	1.98E-03	5.33E-04	3.01E-04	2.41E-04	1.24E-04
831	569843.6	4214976	0.003692	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
832	569848.3	4214984	0.003916	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
833	569853	4214993	0.004184	2.37E-03	6.39E-04	3.61E-04	2.88E-04	1.48E-04
834	569857.6	4215001	0.004494	2.55E-03	6.86E-04	3.87E-04	3.10E-04	1.59E-04
835	569862.3	4215010	0.004842	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
836	569867	4215018	0.005233	2.96E-03	7.99E-04	4.51E-04	3.61E-04	1.86E-04
837	569871.7	4215027	0.005669	3.21E-03	8.66E-04	4.88E-04	3.91E-04	2.01E-04
838	569876.3	4215035	0.006167	3.49E-03	9.42E-04	5.31E-04	4.25E-04	2.19E-04
839	569927.8	4215129	0.030849	1.75E-02	4.71E-03	2.66E-03	2.13E-03	1.09E-03
840	569932.4	4215137	0.034401	1.95E-02	5.25E-03	2.96E-03	2.37E-03	1.22E-03
841	569937.1	4215146	0.037885	2.15E-02	5.79E-03	3.26E-03	2.61E-03	1.34E-03
842	569941.8	4215154	0.041307	2.34E-02	6.31E-03	3.56E-03	2.85E-03	1.47E-03
843	569816.2	4214947	0.003134	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
844	569820.8	4214955	0.003251	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
845	569825.5	4214964	0.003413	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
846	569830.2	4214972	0.003597	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
847	569834.9	4214981	0.003805	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
848	569839.5	4214989	0.004045	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.43E-04
849	569844.2	4214998	0.00433	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
850	569848.9	4215006	0.004655	2.64E-03	7.11E-04	4.01E-04	3.21E-04	1.65E-04
851	569853.6	4215015	0.00502	2.84E-03	7.66E-04	4.33E-04	3.46E-04	1.78E-04
852	569858.2	4215023	0.005423	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
853	569862.9	4215032	0.005876	3.33E-03	8.97E-04	5.06E-04	4.05E-04	2.08E-04
854	569914.3	4215125	0.025657	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.10E-04
855	569919	4215134	0.030207	1.71E-02	4.61E-03	2.60E-03	2.08E-03	1.07E-03
856	569923.7	4215142	0.032953	1.87E-02	5.03E-03	2.84E-03	2.27E-03	1.17E-03
857	569928.4	4215151	0.036024	2.04E-02	5.50E-03	3.10E-03	2.48E-03	1.28E-03
858	569933	4215159	0.03893	2.21E-02	5.94E-03	3.35E-03	2.68E-03	1.38E-03
859	569802.7	4214943	0.003111	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
860	569807.4	4214952	0.00321	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
861	569812.1	4214960	0.003343	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.19E-04
862	569816.7	4214969	0.003511	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
863	569821.4	4214977	0.003702	2.10E-03	5.65E-04	3.19E-04	2.55E-04	1.31E-04
864	569826.1	4214986	0.003915	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
865	569830.8	4214994	0.004177	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
866	569835.4	4215003	0.004477	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
867	569840.1	4215011	0.004815	2.73E-03	7.35E-04	4.15E-04	3.32E-04	1.71E-04
868	569844.8	4215020	0.005193	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
869	569849.5	4215028	0.005608	3.18E-03	8.56E-04	4.83E-04	3.86E-04	1.99E-04
870	569854.1	4215037	0.006077	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
871	569905.6	4215130	0.025394	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
872	569910.2	4215139	0.029333	1.66E-02	4.48E-03	2.53E-03	2.02E-03	1.04E-03
873	569914.9	4215147	0.031562	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
874	569919.6	4215156	0.034262	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.22E-03
875	569924.3	4215164	0.03672	2.08E-02	5.61E-03	3.16E-03	2.53E-03	1.30E-03
876	569792.9	4214939	0.003088	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.10E-04
877	569794	4214948	0.003183	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
878	569798.6	4214956	0.003291	1.86E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
879	569803.3	4214965	0.003441	1.95E-03	5.25E-04	2.96E-04	2.37E-04	1.22E-04
880	569808	4214973	0.003612	2.05E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04

881	569812.7	4214982	0.003804	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
882	569817.3	4214990	0.004036	2.29E-03	6.16E-04	3.48E-04	2.78E-04	1.43E-04
883	569822	4214999	0.004311	2.44E-03	6.58E-04	3.71E-04	2.97E-04	1.53E-04
884	569826.7	4215007	0.004621	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
885	569831.4	4215016	0.00497	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
886	569836	4215024	0.005352	3.03E-03	8.17E-04	4.61E-04	3.69E-04	1.90E-04
887	569840.7	4215033	0.005783	3.28E-03	8.83E-04	4.98E-04	3.99E-04	2.05E-04
888	569896.8	4215135	0.025142	1.42E-02	3.84E-03	2.17E-03	1.73E-03	8.92E-04
889	569901.5	4215143	0.02837	1.61E-02	4.33E-03	2.44E-03	1.96E-03	1.01E-03
890	569906.2	4215152	0.030248	1.71E-02	4.62E-03	2.61E-03	2.08E-03	1.07E-03
891	569910.8	4215160	0.032627	1.85E-02	4.98E-03	2.81E-03	2.25E-03	1.16E-03
892	569915.5	4215169	0.03466	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
893	569784.2	4214944	0.003155	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
894	569783.1	4214935	0.003076	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
895	569789.9	4214961	0.003382	1.92E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
896	569794.5	4214970	0.003536	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
897	569799.2	4214978	0.003712	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
898	569803.9	4214987	0.003912	2.22E-03	5.97E-04	3.37E-04	2.70E-04	1.39E-04
899	569808.6	4214995	0.004159	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
900	569813.2	4215004	0.004441	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.58E-04
901	569817.9	4215012	0.00476	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
902	569822.6	4215021	0.005112	2.90E-03	7.81E-04	4.41E-04	3.52E-04	1.81E-04
903	569827.3	4215029	0.005501	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
904	569831.9	4215038	0.005937	3.36E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
905	569888	4215140	0.024536	1.39E-02	3.75E-03	2.11E-03	1.69E-03	8.70E-04
906	569892.7	4215148	0.027313	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.69E-04
907	569897.4	4215157	0.028896	1.64E-02	4.41E-03	2.49E-03	1.99E-03	1.02E-03
908	569902.1	4215165	0.031083	1.76E-02	4.75E-03	2.68E-03	2.14E-03	1.10E-03
909	569906.7	4215174	0.03254	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
910	569775.3	4214948	0.003219	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
911	569774.2	4214939	0.003127	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
912	569773.1	4214929	0.003061	1.73E-03	4.67E-04	2.64E-04	2.11E-04	1.09E-04
913	569776.4	4214958	0.003338	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
914	569781.1	4214966	0.003472	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
915	569785.8	4214975	0.003628	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
916	569790.5	4214983	0.003811	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
917	569795.1	4214992	0.004026	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
918	569799.8	4215000	0.004275	2.42E-03	6.53E-04	3.68E-04	2.95E-04	1.52E-04
919	569804.5	4215009	0.004558	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
920	569809.2	4215017	0.004883	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
921	569813.8	4215026	0.005245	2.97E-03	8.01E-04	4.52E-04	3.61E-04	1.86E-04
922	569818.5	4215034	0.005638	3.19E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
923	569823.2	4215043	0.006076	3.44E-03	9.28E-04	5.24E-04	4.19E-04	2.16E-04
924	569879.3	4215145	0.02368	1.34E-02	3.62E-03	2.04E-03	1.63E-03	8.40E-04
925	569884	4215153	0.026154	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.28E-04
926	569888.6	4215162	0.027512	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.76E-04
927	569893.3	4215170	0.029225	1.66E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
928	569898	4215179	0.030481	1.73E-02	4.65E-03	2.63E-03	2.10E-03	1.08E-03
929	569766.6	4214953	0.003296	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
930	569765.5	4214944	0.003197	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
931	569764.4	4214934	0.00312	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
932	569763.3	4214925	0.003068	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04

933	569777.2	4214821	0.001822	1.03E-03	2.78E-04	1.57E-04	1.26E-04	6.46E-05
934	569782.9	4214813	0.001742	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
935	569767.7	4214962	0.003426	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
936	569772.3	4214971	0.003563	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
937	569777	4214979	0.003722	2.11E-03	5.68E-04	3.21E-04	2.56E-04	1.32E-04
938	569781.7	4214988	0.003907	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
939	569786.4	4214996	0.004129	2.34E-03	6.30E-04	3.56E-04	2.85E-04	1.46E-04
940	569791	4215005	0.004378	2.48E-03	6.69E-04	3.77E-04	3.02E-04	1.55E-04
941	569795.7	4215013	0.00466	2.64E-03	7.12E-04	4.02E-04	3.21E-04	1.65E-04
942	569800.4	4215022	0.004983	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
943	569805.1	4215030	0.005345	3.03E-03	8.16E-04	4.61E-04	3.68E-04	1.90E-04
944	569809.7	4215039	0.005749	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
945	569814.4	4215047	0.006196	3.51E-03	9.46E-04	5.34E-04	4.27E-04	2.20E-04
946	569819.1	4215056	0.006674	3.78E-03	1.02E-03	5.75E-04	4.60E-04	2.37E-04
947	569870.5	4215149	0.022417	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.95E-04
948	569875.2	4215158	0.024897	1.41E-02	3.80E-03	2.15E-03	1.72E-03	8.83E-04
949	569879.9	4215166	0.026829	1.52E-02	4.10E-03	2.31E-03	1.85E-03	9.52E-04
950	569884.5	4215175	0.02748	1.56E-02	4.20E-03	2.37E-03	1.89E-03	9.75E-04
951	569889.2	4215183	0.028631	1.62E-02	4.37E-03	2.47E-03	1.97E-03	1.02E-03
952	569757.8	4214958	0.003378	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
953	569756.7	4214949	0.003271	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
954	569755.7	4214940	0.003186	1.80E-03	4.86E-04	2.75E-04	2.20E-04	1.13E-04
955	569754.6	4214930	0.003121	1.77E-03	4.77E-04	2.69E-04	2.15E-04	1.11E-04
956	569753.5	4214921	0.003083	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
957	569750.4	4214841	0.001998	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
958	569756	4214833	0.001915	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
959	569767.2	4214818	0.001777	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
960	569772.8	4214811	0.001707	9.67E-04	2.61E-04	1.47E-04	1.18E-04	6.06E-05
961	569784	4214796	0.001597	9.05E-04	2.44E-04	1.38E-04	1.10E-04	5.66E-05
962	569758.9	4214967	0.003511	1.99E-03	5.36E-04	3.03E-04	2.42E-04	1.25E-04
963	569763.6	4214976	0.00365	2.07E-03	5.57E-04	3.15E-04	2.52E-04	1.29E-04
964	569768.3	4214984	0.003813	2.16E-03	5.82E-04	3.29E-04	2.63E-04	1.35E-04
965	569772.9	4214993	0.00401	2.27E-03	6.12E-04	3.46E-04	2.76E-04	1.42E-04
966	569777.6	4215001	0.004231	2.40E-03	6.46E-04	3.65E-04	2.92E-04	1.50E-04
967	569782.3	4215010	0.004473	2.53E-03	6.83E-04	3.85E-04	3.08E-04	1.59E-04
968	569787	4215018	0.004752	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
969	569791.6	4215027	0.005074	2.87E-03	7.75E-04	4.37E-04	3.50E-04	1.80E-04
970	569796.3	4215035	0.005433	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
971	569801	4215044	0.00583	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
972	569805.7	4215052	0.006268	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
973	569810.3	4215061	0.006747	3.82E-03	1.03E-03	5.81E-04	4.65E-04	2.39E-04
974	569861.8	4215154	0.020621	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
975	569866.4	4215163	0.023184	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
976	569871.1	4215171	0.025244	1.43E-02	3.85E-03	2.18E-03	1.74E-03	8.95E-04
977	569875.8	4215180	0.026641	1.51E-02	4.07E-03	2.30E-03	1.84E-03	9.45E-04
978	569880.5	4215188	0.027094	1.53E-02	4.14E-03	2.33E-03	1.87E-03	9.61E-04
979	569749.1	4214963	0.003461	1.96E-03	5.28E-04	2.98E-04	2.39E-04	1.23E-04
980	569748	4214954	0.003348	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
981	569746.9	4214945	0.003256	1.84E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
982	569745.9	4214936	0.003183	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
983	569744.8	4214927	0.003128	1.77E-03	4.78E-04	2.69E-04	2.16E-04	1.11E-04
984	569743.7	4214918	0.003085	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04

985	569736.2	4214854	0.002184	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
986	569740.7	4214838	0.001966	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
987	569746.2	4214831	0.001884	1.07E-03	2.88E-04	1.62E-04	1.30E-04	6.68E-05
988	569757.3	4214816	0.00174	9.86E-04	2.66E-04	1.50E-04	1.20E-04	6.17E-05
989	569768.3	4214802	0.001627	9.22E-04	2.48E-04	1.40E-04	1.12E-04	5.77E-05
990	569779.4	4214787	0.001536	8.70E-04	2.34E-04	1.32E-04	1.06E-04	5.45E-05
991	569750.1	4214972	0.003593	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.27E-04
992	569754.8	4214980	0.003734	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
993	569759.5	4214989	0.003907	2.21E-03	5.97E-04	3.37E-04	2.69E-04	1.39E-04
994	569764.2	4214997	0.004108	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
995	569768.8	4215006	0.00433	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.54E-04
996	569773.5	4215014	0.004574	2.59E-03	6.98E-04	3.94E-04	3.15E-04	1.62E-04
997	569778.2	4215023	0.004852	2.75E-03	7.41E-04	4.18E-04	3.34E-04	1.72E-04
998	569782.9	4215031	0.00516	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
999	569787.5	4215040	0.00551	3.12E-03	8.41E-04	4.75E-04	3.80E-04	1.95E-04
1000	569792.2	4215048	0.005899	3.34E-03	9.01E-04	5.08E-04	4.06E-04	2.09E-04
1001	569796.9	4215057	0.006328	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
1002	569801.6	4215066	0.006792	3.85E-03	1.04E-03	5.85E-04	4.68E-04	2.41E-04
1003	569806.2	4215074	0.007293	4.13E-03	1.11E-03	6.28E-04	5.03E-04	2.59E-04
1004	569853	4215159	0.018859	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1005	569857.7	4215168	0.021356	1.21E-02	3.26E-03	1.84E-03	1.47E-03	7.57E-04
1006	569862.3	4215176	0.023595	1.34E-02	3.60E-03	2.03E-03	1.63E-03	8.37E-04
1007	569867	4215185	0.025199	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.94E-04
1008	569871.7	4215193	0.025804	1.46E-02	3.94E-03	2.22E-03	1.78E-03	9.15E-04
1009	569740.2	4214967	0.003534	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1010	569739.1	4214958	0.003413	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1011	569738	4214948	0.003313	1.88E-03	5.06E-04	2.85E-04	2.28E-04	1.17E-04
1012	569736.8	4214938	0.003231	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1013	569735.7	4214929	0.003167	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1014	569734.6	4214919	0.003104	1.76E-03	4.74E-04	2.67E-04	2.14E-04	1.10E-04
1015	569727.8	4214862	0.002285	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1016	569726.6	4214852	0.002145	1.22E-03	3.28E-04	1.85E-04	1.48E-04	7.61E-05
1017	569731.4	4214835	0.001932	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
1018	569737.2	4214827	0.001853	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
1019	569743.1	4214820	0.001775	1.01E-03	2.71E-04	1.53E-04	1.22E-04	6.30E-05
1020	569748.9	4214812	0.001701	9.63E-04	2.60E-04	1.47E-04	1.17E-04	6.03E-05
1021	569754.8	4214804	0.001636	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1022	569760.6	4214797	0.001593	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1023	569766.5	4214789	0.001548	8.77E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1024	569772.3	4214781	0.001502	8.51E-04	2.29E-04	1.29E-04	1.03E-04	5.33E-05
1025	569741.4	4214977	0.003675	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
1026	569746.1	4214985	0.003818	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1027	569750.7	4214994	0.003996	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1028	569755.4	4215002	0.004199	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1029	569760.1	4215011	0.004422	2.51E-03	6.75E-04	3.81E-04	3.05E-04	1.57E-04
1030	569764.8	4215019	0.004669	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1031	569769.4	4215028	0.004948	2.80E-03	7.56E-04	4.26E-04	3.41E-04	1.76E-04
1032	569774.1	4215036	0.005254	2.98E-03	8.02E-04	4.53E-04	3.62E-04	1.86E-04
1033	569778.8	4215045	0.005584	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
1034	569783.5	4215053	0.005958	3.38E-03	9.10E-04	5.13E-04	4.11E-04	2.11E-04
1035	569788.1	4215062	0.006375	3.61E-03	9.73E-04	5.49E-04	4.39E-04	2.26E-04
1036	569792.8	4215070	0.006824	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04

1037	569797.5	4215079	0.007306	4.14E-03	1.12E-03	6.29E-04	5.03E-04	2.59E-04
1038	569844.2	4215164	0.01719	9.74E-03	2.62E-03	1.48E-03	1.18E-03	6.10E-04
1039	569848.9	4215172	0.019885	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.05E-04
1040	569853.6	4215181	0.022257	1.26E-02	3.40E-03	1.92E-03	1.53E-03	7.89E-04
1041	569858.3	4215189	0.023945	1.36E-02	3.66E-03	2.06E-03	1.65E-03	8.49E-04
1042	569862.9	4215198	0.024945	1.41E-02	3.81E-03	2.15E-03	1.72E-03	8.85E-04
1043	569731.5	4214972	0.003614	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1044	569730.4	4214963	0.003494	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
1045	569729.3	4214953	0.003392	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
1046	569728.1	4214944	0.003303	1.87E-03	5.04E-04	2.85E-04	2.28E-04	1.17E-04
1047	569727	4214934	0.00323	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
1048	569725.9	4214925	0.003168	1.79E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
1049	569724.8	4214916	0.00308	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
1050	569719.2	4214868	0.002381	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.44E-05
1051	569718.1	4214859	0.002241	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.95E-05
1052	569717	4214849	0.002116	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
1053	569721.6	4214832	0.001913	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.78E-05
1054	569727.4	4214825	0.001835	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.51E-05
1055	569733.2	4214817	0.001762	9.98E-04	2.69E-04	1.52E-04	1.21E-04	6.25E-05
1056	569738.9	4214810	0.001691	9.58E-04	2.58E-04	1.46E-04	1.17E-04	6.00E-05
1057	569744.7	4214802	0.001634	9.26E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1058	569750.5	4214795	0.001587	8.99E-04	2.42E-04	1.37E-04	1.09E-04	5.63E-05
1059	569756.2	4214787	0.001541	8.73E-04	2.35E-04	1.33E-04	1.06E-04	5.47E-05
1060	569762	4214779	0.001498	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.31E-05
1061	569767.8	4214772	0.001466	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1062	569732.6	4214982	0.003754	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1063	569737.3	4214990	0.003906	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1064	569742	4214999	0.004086	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
1065	569746.6	4215007	0.004287	2.43E-03	6.55E-04	3.69E-04	2.95E-04	1.52E-04
1066	569751.3	4215016	0.004506	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
1067	569756	4215024	0.004754	2.69E-03	7.26E-04	4.10E-04	3.28E-04	1.69E-04
1068	569760.7	4215033	0.005028	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
1069	569765.3	4215041	0.005324	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
1070	569770	4215050	0.005653	3.20E-03	8.63E-04	4.87E-04	3.90E-04	2.01E-04
1071	569774.7	4215058	0.006021	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.14E-04
1072	569779.4	4215067	0.006416	3.63E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
1073	569784	4215075	0.00684	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1074	569788.7	4215084	0.0073	4.14E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
1075	569793.4	4215092	0.007792	4.41E-03	1.19E-03	6.71E-04	5.37E-04	2.76E-04
1076	569835.5	4215169	0.016534	9.37E-03	2.52E-03	1.42E-03	1.14E-03	5.86E-04
1077	569840.1	4215177	0.018973	1.07E-02	2.90E-03	1.63E-03	1.31E-03	6.73E-04
1078	569844.8	4215186	0.021293	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1079	569849.5	4215194	0.02296	1.30E-02	3.51E-03	1.98E-03	1.58E-03	8.14E-04
1080	569854.2	4215203	0.023416	1.33E-02	3.58E-03	2.02E-03	1.61E-03	8.31E-04
1081	569722.8	4214977	0.003692	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
1082	569721.7	4214968	0.003571	2.02E-03	5.45E-04	3.08E-04	2.46E-04	1.27E-04
1083	569720.5	4214958	0.003469	1.97E-03	5.30E-04	2.99E-04	2.39E-04	1.23E-04
1084	569719.4	4214949	0.003376	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1085	569718.3	4214940	0.003294	1.87E-03	5.03E-04	2.84E-04	2.27E-04	1.17E-04
1086	569717.2	4214931	0.003225	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04
1087	569716.1	4214921	0.00314	1.78E-03	4.79E-04	2.71E-04	2.16E-04	1.11E-04
1088	569715	4214912	0.003036	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04

1089	569711.7	4214884	0.002634	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
1090	569710.6	4214875	0.00248	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1091	569709.5	4214865	0.002341	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
1092	569708.4	4214856	0.002213	1.25E-03	3.38E-04	1.91E-04	1.52E-04	7.85E-05
1093	569707.3	4214847	0.002097	1.19E-03	3.20E-04	1.81E-04	1.44E-04	7.44E-05
1094	569711.9	4214830	0.001909	1.08E-03	2.92E-04	1.64E-04	1.32E-04	6.77E-05
1095	569717.6	4214822	0.001829	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
1096	569723.3	4214815	0.00175	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
1097	569729	4214807	0.001682	9.53E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1098	569734.7	4214800	0.001636	9.27E-04	2.50E-04	1.41E-04	1.13E-04	5.80E-05
1099	569740.4	4214793	0.001593	9.02E-04	2.43E-04	1.37E-04	1.10E-04	5.65E-05
1100	569746.1	4214785	0.001547	8.76E-04	2.36E-04	1.33E-04	1.07E-04	5.49E-05
1101	569751.8	4214778	0.001499	8.49E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1102	569757.4	4214770	0.001472	8.34E-04	2.25E-04	1.27E-04	1.01E-04	5.22E-05
1103	569763.1	4214763	0.00145	8.22E-04	2.21E-04	1.25E-04	9.99E-05	5.14E-05
1104	569723.9	4214986	0.003831	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1105	569728.5	4214995	0.003991	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.42E-04
1106	569733.2	4215003	0.00417	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1107	569737.9	4215012	0.004369	2.48E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
1108	569742.6	4215020	0.004592	2.60E-03	7.01E-04	3.96E-04	3.16E-04	1.63E-04
1109	569747.2	4215029	0.004834	2.74E-03	7.38E-04	4.17E-04	3.33E-04	1.71E-04
1110	569751.9	4215037	0.005095	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
1111	569756.6	4215046	0.00538	3.05E-03	8.21E-04	4.64E-04	3.71E-04	1.91E-04
1112	569761.3	4215054	0.00571	3.24E-03	8.72E-04	4.92E-04	3.94E-04	2.03E-04
1113	569765.9	4215063	0.006067	3.44E-03	9.26E-04	5.23E-04	4.18E-04	2.15E-04
1114	569770.6	4215071	0.006448	3.65E-03	9.85E-04	5.56E-04	4.44E-04	2.29E-04
1115	569775.3	4215080	0.006855	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1116	569780	4215088	0.007285	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.58E-04
1117	569784.6	4215097	0.007738	4.38E-03	1.18E-03	6.67E-04	5.33E-04	2.74E-04
1118	569789.3	4215105	0.008227	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
1119	569826.7	4215173	0.016079	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.70E-04
1120	569831.4	4215182	0.018323	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.50E-04
1121	569836.1	4215190	0.020446	1.16E-02	3.12E-03	1.76E-03	1.41E-03	7.25E-04
1122	569840.7	4215199	0.021781	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1123	569845.4	4215207	0.022061	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1124	569714	4214982	0.003759	2.13E-03	5.74E-04	3.24E-04	2.59E-04	1.33E-04
1125	569712.9	4214973	0.003639	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1126	569711.8	4214964	0.003537	2.00E-03	5.40E-04	3.05E-04	2.44E-04	1.25E-04
1127	569710.7	4214954	0.003449	1.95E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1128	569709.6	4214945	0.00336	1.90E-03	5.13E-04	2.89E-04	2.32E-04	1.19E-04
1129	569708.6	4214936	0.003281	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1130	569707.5	4214927	0.003213	1.82E-03	4.91E-04	2.77E-04	2.21E-04	1.14E-04
1131	569706.4	4214918	0.003097	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1132	569705.3	4214908	0.00298	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
1133	569704.2	4214899	0.002865	1.62E-03	4.37E-04	2.47E-04	1.97E-04	1.02E-04
1134	569703.1	4214890	0.002717	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1135	569702	4214881	0.002568	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
1136	569700.9	4214872	0.002432	1.38E-03	3.71E-04	2.10E-04	1.68E-04	8.63E-05
1137	569699.8	4214862	0.002306	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.18E-05
1138	569698.7	4214853	0.002188	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.76E-05
1139	569697.6	4214844	0.00208	1.18E-03	3.18E-04	1.79E-04	1.43E-04	7.38E-05
1140	569702.2	4214827	0.001909	1.08E-03	2.91E-04	1.64E-04	1.32E-04	6.77E-05

1141	569707.8	4214820	0.001832	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
1142	569713.4	4214813	0.001756	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
1143	569719.1	4214805	0.001686	9.55E-04	2.57E-04	1.45E-04	1.16E-04	5.98E-05
1144	569730.3	4214790	0.001602	9.07E-04	2.45E-04	1.38E-04	1.10E-04	5.68E-05
1145	569735.9	4214783	0.00156	8.84E-04	2.38E-04	1.34E-04	1.07E-04	5.53E-05
1146	569741.6	4214776	0.001517	8.59E-04	2.32E-04	1.31E-04	1.05E-04	5.38E-05
1147	569752.8	4214761	0.001465	8.30E-04	2.24E-04	1.26E-04	1.01E-04	5.20E-05
1148	569715.1	4214991	0.003906	2.21E-03	5.96E-04	3.37E-04	2.69E-04	1.39E-04
1149	569719.8	4215000	0.004069	2.30E-03	6.21E-04	3.51E-04	2.80E-04	1.44E-04
1150	569724.4	4215008	0.004248	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1151	569729.1	4215017	0.004448	2.52E-03	6.79E-04	3.83E-04	3.07E-04	1.58E-04
1152	569733.8	4215025	0.004669	2.65E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
1153	569738.5	4215034	0.004907	2.78E-03	7.49E-04	4.23E-04	3.38E-04	1.74E-04
1154	569743.1	4215042	0.005161	2.92E-03	7.88E-04	4.45E-04	3.56E-04	1.83E-04
1155	569747.8	4215051	0.005443	3.08E-03	8.31E-04	4.69E-04	3.75E-04	1.93E-04
1156	569752.5	4215059	0.005755	3.26E-03	8.79E-04	4.96E-04	3.97E-04	2.04E-04
1157	569757.2	4215068	0.006096	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
1158	569761.8	4215076	0.006461	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
1159	569766.5	4215085	0.006855	3.88E-03	1.05E-03	5.91E-04	4.72E-04	2.43E-04
1160	569771.2	4215093	0.007268	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
1161	569775.9	4215102	0.007697	4.36E-03	1.18E-03	6.63E-04	5.30E-04	2.73E-04
1162	569780.5	4215110	0.008148	4.62E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
1163	569817.9	4215178	0.015588	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04
1164	569822.6	4215187	0.017655	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.26E-04
1165	569827.3	4215195	0.019599	1.11E-02	2.99E-03	1.69E-03	1.35E-03	6.95E-04
1166	569832	4215204	0.02025	1.15E-02	3.09E-03	1.74E-03	1.40E-03	7.18E-04
1167	569836.6	4215212	0.020586	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.30E-04
1168	569705.3	4214987	0.003825	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
1169	569704.2	4214978	0.003704	2.10E-03	5.66E-04	3.19E-04	2.55E-04	1.31E-04
1170	569703.1	4214969	0.003602	2.04E-03	5.50E-04	3.10E-04	2.48E-04	1.28E-04
1171	569702	4214960	0.003517	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
1172	569700.9	4214951	0.003432	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1173	569699.9	4214941	0.003346	1.90E-03	5.11E-04	2.88E-04	2.31E-04	1.19E-04
1174	569698.8	4214932	0.003269	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
1175	569697.7	4214923	0.003177	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
1176	569696.6	4214914	0.003043	1.72E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1177	569695.5	4214905	0.002913	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
1178	569694.5	4214896	0.002786	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.88E-05
1179	569693.4	4214887	0.002643	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
1180	569692.3	4214878	0.002514	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
1181	569691.2	4214868	0.002395	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1182	569690.1	4214859	0.00228	1.29E-03	3.48E-04	1.96E-04	1.57E-04	8.09E-05
1183	569689.1	4214850	0.002173	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.71E-05
1184	569688	4214841	0.002075	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.36E-05
1185	569692.5	4214825	0.001914	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
1186	569703.6	4214810	0.001766	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.26E-05
1187	569714.7	4214796	0.001664	9.43E-04	2.54E-04	1.43E-04	1.15E-04	5.90E-05
1188	569725.9	4214781	0.001578	8.94E-04	2.41E-04	1.36E-04	1.09E-04	5.60E-05
1189	569731.5	4214774	0.001544	8.75E-04	2.36E-04	1.33E-04	1.06E-04	5.48E-05
1190	569742.6	4214759	0.0015	8.50E-04	2.29E-04	1.29E-04	1.03E-04	5.32E-05
1191	569706.3	4214996	0.003975	2.25E-03	6.07E-04	3.43E-04	2.74E-04	1.41E-04
1192	569711	4215005	0.004136	2.34E-03	6.32E-04	3.56E-04	2.85E-04	1.47E-04

1193	569715.7	4215013	0.004314	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
1194	569720.4	4215022	0.004518	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
1195	569725	4215030	0.004736	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1196	569729.7	4215039	0.004968	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1197	569734.4	4215047	0.005218	2.96E-03	7.97E-04	4.50E-04	3.60E-04	1.85E-04
1198	569739.1	4215056	0.005502	3.12E-03	8.40E-04	4.74E-04	3.79E-04	1.95E-04
1199	569743.7	4215064	0.005806	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
1200	569748.4	4215073	0.006125	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
1201	569753.1	4215081	0.006466	3.66E-03	9.87E-04	5.57E-04	4.46E-04	2.29E-04
1202	569757.8	4215090	0.006843	3.88E-03	1.04E-03	5.90E-04	4.72E-04	2.43E-04
1203	569762.4	4215098	0.007238	4.10E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
1204	569767.1	4215107	0.007649	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
1205	569771.8	4215115	0.008089	4.58E-03	1.24E-03	6.97E-04	5.57E-04	2.87E-04
1206	569809.2	4215183	0.01522	8.62E-03	2.32E-03	1.31E-03	1.05E-03	5.40E-04
1207	569813.8	4215192	0.016974	9.62E-03	2.59E-03	1.46E-03	1.17E-03	6.02E-04
1208	569818.5	4215200	0.018302	1.04E-02	2.79E-03	1.58E-03	1.26E-03	6.49E-04
1209	569823.2	4215209	0.018873	1.07E-02	2.88E-03	1.63E-03	1.30E-03	6.69E-04
1210	569827.9	4215217	0.019253	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1211	569696.4	4214991	0.003885	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1212	569695.3	4214982	0.003754	2.13E-03	5.73E-04	3.23E-04	2.59E-04	1.33E-04
1213	569694.2	4214972	0.003648	2.07E-03	5.57E-04	3.14E-04	2.51E-04	1.29E-04
1214	569693.1	4214963	0.003561	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
1215	569691.9	4214953	0.003478	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1216	569690.8	4214944	0.003378	1.91E-03	5.16E-04	2.91E-04	2.33E-04	1.20E-04
1217	569689.7	4214934	0.003284	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
1218	569688.5	4214925	0.003185	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
1219	569687.4	4214915	0.003039	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
1220	569686.3	4214906	0.002904	1.65E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
1221	569685.2	4214896	0.002777	1.57E-03	4.24E-04	2.39E-04	1.91E-04	9.85E-05
1222	569684	4214887	0.002639	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.36E-05
1223	569682.9	4214877	0.002512	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
1224	569681.8	4214868	0.002395	1.36E-03	3.66E-04	2.06E-04	1.65E-04	8.50E-05
1225	569680.6	4214858	0.002283	1.29E-03	3.49E-04	1.97E-04	1.57E-04	8.10E-05
1226	569679.5	4214848	0.002179	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1227	569678.4	4214839	0.002084	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
1228	569683.1	4214822	0.001928	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.84E-05
1229	569688.9	4214814	0.001847	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
1230	569694.7	4214807	0.001768	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
1231	569700.5	4214799	0.001726	9.78E-04	2.64E-04	1.49E-04	1.19E-04	6.12E-05
1232	569706.4	4214791	0.001684	9.54E-04	2.57E-04	1.45E-04	1.16E-04	5.97E-05
1233	569712.2	4214784	0.00164	9.29E-04	2.50E-04	1.41E-04	1.13E-04	5.82E-05
1234	569718	4214776	0.001596	9.04E-04	2.44E-04	1.37E-04	1.10E-04	5.66E-05
1235	569723.8	4214768	0.001571	8.90E-04	2.40E-04	1.35E-04	1.08E-04	5.57E-05
1236	569697.6	4215001	0.004038	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
1237	569702.2	4215009	0.004196	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
1238	569706.9	4215018	0.004377	2.48E-03	6.68E-04	3.77E-04	3.02E-04	1.55E-04
1239	569711.6	4215026	0.004578	2.59E-03	6.99E-04	3.94E-04	3.15E-04	1.62E-04
1240	569716.3	4215035	0.004792	2.71E-03	7.32E-04	4.13E-04	3.30E-04	1.70E-04
1241	569720.9	4215043	0.005018	2.84E-03	7.66E-04	4.32E-04	3.46E-04	1.78E-04
1242	569725.6	4215052	0.005274	2.99E-03	8.05E-04	4.54E-04	3.63E-04	1.87E-04
1243	569730.3	4215060	0.005551	3.14E-03	8.48E-04	4.78E-04	3.83E-04	1.97E-04
1244	569735	4215069	0.005844	3.31E-03	8.92E-04	5.04E-04	4.03E-04	2.07E-04

1245	569739.6	4215077	0.006153	3.49E-03	9.40E-04	5.30E-04	4.24E-04	2.18E-04
1246	569744.3	4215086	0.006489	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
1247	569749	4215094	0.006838	3.87E-03	1.04E-03	5.89E-04	4.71E-04	2.43E-04
1248	569753.7	4215103	0.007198	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1249	569758.3	4215111	0.007602	4.31E-03	1.16E-03	6.55E-04	5.24E-04	2.70E-04
1250	569763	4215120	0.008032	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
1251	569800.4	4215188	0.014913	8.45E-03	2.28E-03	1.28E-03	1.03E-03	5.29E-04
1252	569805.1	4215196	0.016494	9.34E-03	2.52E-03	1.42E-03	1.14E-03	5.85E-04
1253	569809.8	4215205	0.017157	9.72E-03	2.62E-03	1.48E-03	1.18E-03	6.09E-04
1254	569814.4	4215213	0.017735	1.00E-02	2.71E-03	1.53E-03	1.22E-03	6.29E-04
1255	569819.1	4215222	0.018176	1.03E-02	2.78E-03	1.57E-03	1.25E-03	6.45E-04
1256	569687.7	4214996	0.00395	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
1257	569686.6	4214987	0.003819	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1258	569685.5	4214977	0.003709	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1259	569684.3	4214968	0.003612	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
1260	569683.2	4214959	0.003529	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1261	569682.1	4214949	0.003428	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.22E-04
1262	569681	4214940	0.003321	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
1263	569679.9	4214930	0.003219	1.82E-03	4.92E-04	2.77E-04	2.22E-04	1.14E-04
1264	569678.8	4214921	0.003097	1.75E-03	4.73E-04	2.67E-04	2.13E-04	1.10E-04
1265	569677.7	4214912	0.002965	1.68E-03	4.53E-04	2.55E-04	2.04E-04	1.05E-04
1266	569676.5	4214902	0.00284	1.61E-03	4.34E-04	2.45E-04	1.96E-04	1.01E-04
1267	569675.4	4214893	0.002718	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.64E-05
1268	569674.3	4214883	0.002594	1.47E-03	3.96E-04	2.24E-04	1.79E-04	9.20E-05
1269	569673.2	4214874	0.00248	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.80E-05
1270	569672.1	4214864	0.002373	1.34E-03	3.62E-04	2.04E-04	1.64E-04	8.42E-05
1271	569671	4214855	0.002272	1.29E-03	3.47E-04	1.96E-04	1.57E-04	8.06E-05
1272	569669.8	4214846	0.002179	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
1273	569668.7	4214836	0.002093	1.19E-03	3.20E-04	1.80E-04	1.44E-04	7.42E-05
1274	569673.4	4214819	0.001952	1.11E-03	2.98E-04	1.68E-04	1.35E-04	6.92E-05
1275	569679.1	4214812	0.001873	1.06E-03	2.86E-04	1.61E-04	1.29E-04	6.64E-05
1276	569684.9	4214804	0.001804	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.40E-05
1277	569690.6	4214797	0.001763	9.99E-04	2.69E-04	1.52E-04	1.22E-04	6.26E-05
1278	569696.4	4214789	0.001725	9.77E-04	2.63E-04	1.49E-04	1.19E-04	6.12E-05
1279	569688.8	4215006	0.004094	2.32E-03	6.25E-04	3.53E-04	2.82E-04	1.45E-04
1280	569693.5	4215014	0.004251	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
1281	569698.2	4215023	0.004433	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1282	569702.8	4215031	0.00463	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
1283	569707.5	4215040	0.004838	2.74E-03	7.39E-04	4.17E-04	3.33E-04	1.72E-04
1284	569712.2	4215048	0.005063	2.87E-03	7.73E-04	4.36E-04	3.49E-04	1.80E-04
1285	569716.9	4215057	0.005319	3.01E-03	8.12E-04	4.58E-04	3.67E-04	1.89E-04
1286	569721.5	4215065	0.005589	3.17E-03	8.53E-04	4.82E-04	3.85E-04	1.98E-04
1287	569726.2	4215074	0.005869	3.33E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
1288	569730.9	4215082	0.006178	3.50E-03	9.43E-04	5.32E-04	4.26E-04	2.19E-04
1289	569735.6	4215091	0.006507	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
1290	569740.2	4215099	0.006847	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
1291	569744.9	4215108	0.007202	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
1292	569749.6	4215116	0.007582	4.30E-03	1.16E-03	6.53E-04	5.22E-04	2.69E-04
1293	569754.3	4215125	0.00798	4.52E-03	1.22E-03	6.88E-04	5.50E-04	2.83E-04
1294	569787	4215184	0.01312	7.43E-03	2.00E-03	1.13E-03	9.04E-04	4.65E-04
1295	569791.6	4215193	0.014567	8.25E-03	2.22E-03	1.26E-03	1.00E-03	5.17E-04
1296	569796.3	4215201	0.015587	8.83E-03	2.38E-03	1.34E-03	1.07E-03	5.53E-04

1297	569801	4215210	0.016244	9.20E-03	2.48E-03	1.40E-03	1.12E-03	5.76E-04
1298	569805.7	4215218	0.016816	9.53E-03	2.57E-03	1.45E-03	1.16E-03	5.96E-04
1299	569810.3	4215227	0.017243	9.77E-03	2.63E-03	1.49E-03	1.19E-03	6.12E-04
1300	569678.9	4215001	0.004007	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
1301	569677.8	4214992	0.003885	2.20E-03	5.93E-04	3.35E-04	2.68E-04	1.38E-04
1302	569676.7	4214983	0.003775	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
1303	569675.6	4214973	0.003672	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1304	569674.5	4214964	0.003579	2.03E-03	5.46E-04	3.08E-04	2.47E-04	1.27E-04
1305	569673.4	4214955	0.003489	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
1306	569672.3	4214945	0.003371	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
1307	569671.2	4214936	0.003257	1.85E-03	4.97E-04	2.81E-04	2.24E-04	1.16E-04
1308	569670.1	4214927	0.003147	1.78E-03	4.81E-04	2.71E-04	2.17E-04	1.12E-04
1309	569669	4214917	0.003018	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
1310	569667.9	4214908	0.002897	1.64E-03	4.42E-04	2.50E-04	2.00E-04	1.03E-04
1311	569666.8	4214899	0.002783	1.58E-03	4.25E-04	2.40E-04	1.92E-04	9.87E-05
1312	569665.7	4214889	0.002667	1.51E-03	4.07E-04	2.30E-04	1.84E-04	9.46E-05
1313	569664.6	4214880	0.002556	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.07E-05
1314	569663.5	4214871	0.002453	1.39E-03	3.75E-04	2.11E-04	1.69E-04	8.70E-05
1315	569662.4	4214861	0.002356	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1316	569661.3	4214852	0.002268	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
1317	569660.2	4214843	0.002186	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
1318	569659.1	4214833	0.002114	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.50E-05
1319	569680	4215011	0.004142	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
1320	569684.7	4215019	0.004301	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1321	569689.4	4215028	0.004482	2.54E-03	6.84E-04	3.86E-04	3.09E-04	1.59E-04
1322	569694.1	4215036	0.004673	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
1323	569698.7	4215045	0.004874	2.76E-03	7.44E-04	4.20E-04	3.36E-04	1.73E-04
1324	569703.4	4215053	0.005107	2.89E-03	7.80E-04	4.40E-04	3.52E-04	1.81E-04
1325	569708.1	4215062	0.005358	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
1326	569712.8	4215070	0.005618	3.18E-03	8.58E-04	4.84E-04	3.87E-04	1.99E-04
1327	569717.4	4215079	0.005894	3.34E-03	9.00E-04	5.08E-04	4.06E-04	2.09E-04
1328	569722.1	4215087	0.0062	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
1329	569726.8	4215096	0.006522	3.69E-03	9.96E-04	5.62E-04	4.49E-04	2.31E-04
1330	569731.5	4215104	0.006857	3.88E-03	1.05E-03	5.91E-04	4.73E-04	2.43E-04
1331	569736.1	4215113	0.007224	4.09E-03	1.10E-03	6.22E-04	4.98E-04	2.56E-04
1332	569740.8	4215121	0.007616	4.31E-03	1.16E-03	6.56E-04	5.25E-04	2.70E-04
1333	569773.5	4215181	0.012076	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1334	569778.2	4215189	0.013095	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1335	569782.9	4215198	0.014129	8.00E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1336	569787.6	4215206	0.014807	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1337	569792.2	4215215	0.015457	8.76E-03	2.36E-03	1.33E-03	1.07E-03	5.48E-04
1338	569796.9	4215223	0.016031	9.08E-03	2.45E-03	1.38E-03	1.10E-03	5.69E-04
1339	569801.6	4215232	0.015906	9.01E-03	2.43E-03	1.37E-03	1.10E-03	5.64E-04
1340	569670.2	4215006	0.004054	2.30E-03	6.19E-04	3.49E-04	2.79E-04	1.44E-04
1341	569669.1	4214997	0.003941	2.23E-03	6.02E-04	3.40E-04	2.72E-04	1.40E-04
1342	569668	4214988	0.003843	2.18E-03	5.87E-04	3.31E-04	2.65E-04	1.36E-04
1343	569666.9	4214978	0.003738	2.12E-03	5.71E-04	3.22E-04	2.58E-04	1.33E-04
1344	569665.8	4214969	0.003637	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
1345	569664.7	4214960	0.003544	2.01E-03	5.41E-04	3.05E-04	2.44E-04	1.26E-04
1346	569663.6	4214951	0.003432	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1347	569662.5	4214941	0.003304	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1348	569661.4	4214932	0.003183	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04

1349	569660.4	4214923	0.003066	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
1350	569659.3	4214914	0.002947	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.05E-04
1351	569658.2	4214905	0.002836	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
1352	569657.1	4214895	0.00273	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.68E-05
1353	569656	4214886	0.002623	1.49E-03	4.01E-04	2.26E-04	1.81E-04	9.30E-05
1354	569654.9	4214877	0.002524	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1355	569653.8	4214868	0.002431	1.38E-03	3.71E-04	2.09E-04	1.68E-04	8.62E-05
1356	569652.7	4214858	0.002347	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.33E-05
1357	569651.6	4214849	0.00227	1.29E-03	3.47E-04	1.96E-04	1.56E-04	8.05E-05
1358	569650.5	4214840	0.002199	1.25E-03	3.36E-04	1.89E-04	1.52E-04	7.80E-05
1359	569671.3	4215015	0.004182	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
1360	569676	4215024	0.004347	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
1361	569680.6	4215032	0.004523	2.56E-03	6.91E-04	3.90E-04	3.12E-04	1.60E-04
1362	569685.3	4215041	0.004707	2.67E-03	7.19E-04	4.06E-04	3.24E-04	1.67E-04
1363	569690	4215049	0.004912	2.78E-03	7.50E-04	4.23E-04	3.39E-04	1.74E-04
1364	569694.7	4215058	0.005146	2.92E-03	7.86E-04	4.43E-04	3.55E-04	1.83E-04
1365	569699.3	4215066	0.005389	3.05E-03	8.23E-04	4.64E-04	3.71E-04	1.91E-04
1366	569704	4215075	0.005641	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
1367	569708.7	4215083	0.005923	3.36E-03	9.04E-04	5.10E-04	4.08E-04	2.10E-04
1368	569713.4	4215092	0.006225	3.53E-03	9.50E-04	5.36E-04	4.29E-04	2.21E-04
1369	569718	4215100	0.006541	3.71E-03	9.99E-04	5.64E-04	4.51E-04	2.32E-04
1370	569722.7	4215109	0.006884	3.90E-03	1.05E-03	5.93E-04	4.74E-04	2.44E-04
1371	569727.4	4215117	0.007275	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
1372	569764.8	4215185	0.012198	6.91E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04
1373	569769.4	4215194	0.0132	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1374	569774.1	4215202	0.013759	7.79E-03	2.10E-03	1.19E-03	9.48E-04	4.88E-04
1375	569778.8	4215211	0.014229	8.06E-03	2.17E-03	1.23E-03	9.81E-04	5.05E-04
1376	569783.5	4215219	0.01479	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1377	569788.1	4215228	0.015151	8.58E-03	2.31E-03	1.31E-03	1.04E-03	5.37E-04
1378	569792.8	4215236	0.014619	8.28E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1379	569661.4	4215011	0.004083	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
1380	569660.2	4215001	0.00397	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
1381	569659.1	4214991	0.003868	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
1382	569658	4214982	0.003763	2.13E-03	5.75E-04	3.24E-04	2.59E-04	1.33E-04
1383	569656.8	4214972	0.003643	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
1384	569655.7	4214963	0.003529	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
1385	569654.6	4214953	0.003412	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
1386	569653.4	4214943	0.003285	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
1387	569652.3	4214934	0.003165	1.79E-03	4.83E-04	2.73E-04	2.18E-04	1.12E-04
1388	569651.2	4214924	0.003051	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
1389	569650	4214915	0.002934	1.66E-03	4.48E-04	2.53E-04	2.02E-04	1.04E-04
1390	569648.9	4214905	0.002823	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
1391	569647.8	4214896	0.002719	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1392	569646.6	4214886	0.002617	1.48E-03	4.00E-04	2.26E-04	1.80E-04	9.28E-05
1393	569645.5	4214876	0.002522	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
1394	569644.4	4214867	0.002434	1.38E-03	3.72E-04	2.10E-04	1.68E-04	8.63E-05
1395	569643.2	4214857	0.002358	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
1396	569662.5	4215020	0.004223	2.39E-03	6.45E-04	3.64E-04	2.91E-04	1.50E-04
1397	569667.2	4215029	0.004386	2.48E-03	6.70E-04	3.78E-04	3.02E-04	1.56E-04
1398	569671.9	4215037	0.004556	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
1399	569676.5	4215046	0.004733	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
1400	569681.2	4215054	0.004946	2.80E-03	7.55E-04	4.26E-04	3.41E-04	1.75E-04

1401	569685.9	4215063	0.005172	2.93E-03	7.90E-04	4.46E-04	3.56E-04	1.83E-04
1402	569690.6	4215071	0.00541	3.06E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1403	569695.2	4215080	0.005668	3.21E-03	8.65E-04	4.88E-04	3.91E-04	2.01E-04
1404	569699.9	4215088	0.005951	3.37E-03	9.09E-04	5.13E-04	4.10E-04	2.11E-04
1405	569704.6	4215097	0.00625	3.54E-03	9.54E-04	5.39E-04	4.31E-04	2.22E-04
1406	569709.3	4215105	0.006567	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
1407	569713.9	4215114	0.006916	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
1408	569718.6	4215122	0.007327	4.15E-03	1.12E-03	6.31E-04	5.05E-04	2.60E-04
1409	569751.3	4215182	0.01142	6.47E-03	1.74E-03	9.84E-04	7.87E-04	4.05E-04
1410	569756	4215190	0.012275	6.95E-03	1.87E-03	1.06E-03	8.46E-04	4.35E-04
1411	569760.7	4215199	0.013013	7.37E-03	1.99E-03	1.12E-03	8.97E-04	4.62E-04
1412	569765.4	4215207	0.013313	7.54E-03	2.03E-03	1.15E-03	9.17E-04	4.72E-04
1413	569770	4215216	0.013694	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1414	569774.7	4215224	0.014156	8.02E-03	2.16E-03	1.22E-03	9.76E-04	5.02E-04
1415	569779.4	4215233	0.013923	7.89E-03	2.13E-03	1.20E-03	9.59E-04	4.94E-04
1416	569784.1	4215241	0.013372	7.58E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1417	569652.6	4215015	0.004112	2.33E-03	6.28E-04	3.54E-04	2.83E-04	1.46E-04
1418	569651.5	4215006	0.003996	2.26E-03	6.10E-04	3.44E-04	2.75E-04	1.42E-04
1419	569650.4	4214997	0.003891	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
1420	569649.3	4214987	0.003796	2.15E-03	5.80E-04	3.27E-04	2.62E-04	1.35E-04
1421	569648.1	4214978	0.003673	2.08E-03	5.61E-04	3.16E-04	2.53E-04	1.30E-04
1422	569647	4214968	0.003549	2.01E-03	5.42E-04	3.06E-04	2.45E-04	1.26E-04
1423	569645.9	4214959	0.00343	1.94E-03	5.24E-04	2.96E-04	2.36E-04	1.22E-04
1424	569644.8	4214949	0.003309	1.87E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
1425	569643.6	4214940	0.003193	1.81E-03	4.88E-04	2.75E-04	2.20E-04	1.13E-04
1426	569642.5	4214930	0.003084	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
1427	569641.4	4214921	0.002975	1.69E-03	4.54E-04	2.56E-04	2.05E-04	1.06E-04
1428	569640.3	4214911	0.002868	1.62E-03	4.38E-04	2.47E-04	1.98E-04	1.02E-04
1429	569639.1	4214902	0.002767	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
1430	569638	4214892	0.002671	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
1431	569636.9	4214883	0.002581	1.46E-03	3.94E-04	2.22E-04	1.78E-04	9.16E-05
1432	569635.8	4214873	0.002497	1.41E-03	3.81E-04	2.15E-04	1.72E-04	8.86E-05
1433	569634.7	4214864	0.002422	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.59E-05
1434	569653.8	4215025	0.004259	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
1435	569658.4	4215033	0.004415	2.50E-03	6.74E-04	3.80E-04	3.04E-04	1.57E-04
1436	569663.1	4215042	0.00458	2.59E-03	6.99E-04	3.95E-04	3.16E-04	1.62E-04
1437	569667.8	4215050	0.004766	2.70E-03	7.28E-04	4.11E-04	3.28E-04	1.69E-04
1438	569672.5	4215059	0.004969	2.82E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
1439	569677.1	4215067	0.005186	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1440	569681.8	4215076	0.005412	3.07E-03	8.26E-04	4.66E-04	3.73E-04	1.92E-04
1441	569686.5	4215084	0.005682	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1442	569691.2	4215093	0.005973	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
1443	569695.8	4215101	0.006281	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
1444	569700.5	4215110	0.006594	3.74E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
1445	569737.9	4215178	0.010741	6.09E-03	1.64E-03	9.26E-04	7.40E-04	3.81E-04
1446	569742.6	4215187	0.011492	6.51E-03	1.75E-03	9.90E-04	7.92E-04	4.08E-04
1447	569747.2	4215195	0.012326	6.98E-03	1.88E-03	1.06E-03	8.49E-04	4.37E-04
1448	569751.9	4215204	0.012585	7.13E-03	1.92E-03	1.08E-03	8.67E-04	4.46E-04
1449	569756.6	4215212	0.012796	7.25E-03	1.95E-03	1.10E-03	8.82E-04	4.54E-04
1450	569761.3	4215221	0.013095	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.64E-04
1451	569765.9	4215229	0.013203	7.48E-03	2.02E-03	1.14E-03	9.10E-04	4.68E-04
1452	569770.6	4215238	0.012746	7.22E-03	1.95E-03	1.10E-03	8.78E-04	4.52E-04

1453	569775.3	4215246	0.012278	6.96E-03	1.87E-03	1.06E-03	8.46E-04	4.36E-04
1454	569643.9	4215020	0.004144	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
1455	569642.8	4215011	0.004022	2.28E-03	6.14E-04	3.47E-04	2.77E-04	1.43E-04
1456	569641.7	4215002	0.003916	2.22E-03	5.98E-04	3.37E-04	2.70E-04	1.39E-04
1457	569640.5	4214992	0.003817	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1458	569639.4	4214983	0.00371	2.10E-03	5.67E-04	3.20E-04	2.56E-04	1.32E-04
1459	569638.3	4214973	0.003579	2.03E-03	5.47E-04	3.08E-04	2.47E-04	1.27E-04
1460	569637.2	4214964	0.003452	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
1461	569636.1	4214955	0.003328	1.89E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
1462	569635	4214945	0.003216	1.82E-03	4.91E-04	2.77E-04	2.22E-04	1.14E-04
1463	569633.9	4214936	0.00311	1.76E-03	4.75E-04	2.68E-04	2.14E-04	1.10E-04
1464	569632.7	4214926	0.003012	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
1465	569631.6	4214917	0.002909	1.65E-03	4.44E-04	2.51E-04	2.00E-04	1.03E-04
1466	569630.5	4214908	0.002812	1.59E-03	4.29E-04	2.42E-04	1.94E-04	9.97E-05
1467	569629.4	4214898	0.002721	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.65E-05
1468	569628.3	4214889	0.002637	1.49E-03	4.03E-04	2.27E-04	1.82E-04	9.35E-05
1469	569627.2	4214879	0.002559	1.45E-03	3.91E-04	2.21E-04	1.76E-04	9.08E-05
1470	569626.1	4214870	0.002487	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
1471	569645	4215030	0.004285	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
1472	569649.7	4215038	0.004434	2.51E-03	6.77E-04	3.82E-04	3.06E-04	1.57E-04
1473	569654.3	4215047	0.004594	2.60E-03	7.01E-04	3.96E-04	3.17E-04	1.63E-04
1474	569659	4215055	0.004787	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
1475	569663.7	4215064	0.004983	2.82E-03	7.61E-04	4.29E-04	3.43E-04	1.77E-04
1476	569668.4	4215072	0.005188	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1477	569673	4215081	0.005421	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1478	569677.7	4215089	0.005685	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1479	569682.4	4215098	0.005971	3.38E-03	9.12E-04	5.15E-04	4.11E-04	2.12E-04
1480	569687.1	4215106	0.006285	3.56E-03	9.60E-04	5.42E-04	4.33E-04	2.23E-04
1481	569691.7	4215115	0.006598	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
1482	569724.5	4215174	0.010151	5.75E-03	1.55E-03	8.75E-04	7.00E-04	3.60E-04
1483	569729.1	4215183	0.010811	6.12E-03	1.65E-03	9.32E-04	7.45E-04	3.83E-04
1484	569733.8	4215191	0.011522	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1485	569738.5	4215200	0.012024	6.81E-03	1.84E-03	1.04E-03	8.29E-04	4.26E-04
1486	569743.2	4215208	0.012157	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1487	569747.8	4215217	0.012305	6.97E-03	1.88E-03	1.06E-03	8.48E-04	4.36E-04
1488	569752.5	4215225	0.012467	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1489	569757.2	4215234	0.012124	6.87E-03	1.85E-03	1.04E-03	8.35E-04	4.30E-04
1490	569761.9	4215242	0.011737	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1491	569766.5	4215251	0.011345	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.02E-04
1492	569635.1	4215025	0.004172	2.36E-03	6.37E-04	3.59E-04	2.87E-04	1.48E-04
1493	569634	4215016	0.004047	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1494	569632.9	4215007	0.003939	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.40E-04
1495	569631.8	4214997	0.003834	2.17E-03	5.85E-04	3.30E-04	2.64E-04	1.36E-04
1496	569630.7	4214988	0.003735	2.12E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
1497	569629.6	4214979	0.003608	2.04E-03	5.51E-04	3.11E-04	2.49E-04	1.28E-04
1498	569628.5	4214969	0.003478	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
1499	569627.4	4214960	0.003354	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
1500	569626.3	4214951	0.003242	1.84E-03	4.95E-04	2.79E-04	2.23E-04	1.15E-04
1501	569625.2	4214941	0.003141	1.78E-03	4.80E-04	2.71E-04	2.16E-04	1.11E-04
1502	569624.1	4214932	0.003046	1.73E-03	4.65E-04	2.62E-04	2.10E-04	1.08E-04
1503	569623	4214923	0.002953	1.67E-03	4.51E-04	2.54E-04	2.03E-04	1.05E-04
1504	569621.9	4214913	0.002858	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04

1505	569620.8	4214904	0.002769	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.82E-05
1506	569619.7	4214895	0.002687	1.52E-03	4.10E-04	2.32E-04	1.85E-04	9.53E-05
1507	569618.6	4214885	0.002614	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
1508	569636.2	4215035	0.004302	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1509	569640.9	4215043	0.004444	2.52E-03	6.79E-04	3.83E-04	3.06E-04	1.58E-04
1510	569645.6	4215052	0.004612	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.64E-04
1511	569650.3	4215060	0.004796	2.72E-03	7.32E-04	4.13E-04	3.31E-04	1.70E-04
1512	569654.9	4215069	0.004986	2.82E-03	7.61E-04	4.30E-04	3.44E-04	1.77E-04
1513	569659.6	4215077	0.005182	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
1514	569664.3	4215086	0.005423	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
1515	569669	4215094	0.005682	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
1516	569673.6	4215103	0.005962	3.38E-03	9.10E-04	5.14E-04	4.11E-04	2.11E-04
1517	569678.3	4215111	0.006252	3.54E-03	9.55E-04	5.39E-04	4.31E-04	2.22E-04
1518	569683	4215120	0.006555	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
1519	569711	4215171	0.009199	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1520	569715.7	4215179	0.009943	5.63E-03	1.52E-03	8.57E-04	6.85E-04	3.53E-04
1521	569720.4	4215188	0.010737	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1522	569725	4215196	0.011525	6.53E-03	1.76E-03	9.93E-04	7.94E-04	4.09E-04
1523	569729.7	4215205	0.011618	6.58E-03	1.77E-03	1.00E-03	8.01E-04	4.12E-04
1524	569734.4	4215213	0.011723	6.64E-03	1.79E-03	1.01E-03	8.08E-04	4.16E-04
1525	569739.1	4215222	0.011839	6.71E-03	1.81E-03	1.02E-03	8.16E-04	4.20E-04
1526	569743.7	4215230	0.011677	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1527	569748.4	4215239	0.011252	6.37E-03	1.72E-03	9.70E-04	7.75E-04	3.99E-04
1528	569753.1	4215247	0.01087	6.16E-03	1.66E-03	9.37E-04	7.49E-04	3.86E-04
1529	569757.8	4215256	0.01055	5.98E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1530	569626.3	4215030	0.004174	2.36E-03	6.37E-04	3.60E-04	2.88E-04	1.48E-04
1531	569625.2	4215020	0.004046	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
1532	569624	4215011	0.003926	2.22E-03	6.00E-04	3.38E-04	2.71E-04	1.39E-04
1533	569622.9	4215001	0.003815	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
1534	569621.8	4214991	0.003708	2.10E-03	5.66E-04	3.20E-04	2.56E-04	1.32E-04
1535	569620.6	4214982	0.003591	2.03E-03	5.48E-04	3.09E-04	2.47E-04	1.27E-04
1536	569619.5	4214972	0.003463	1.96E-03	5.29E-04	2.98E-04	2.39E-04	1.23E-04
1537	569618.3	4214962	0.00334	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
1538	569617.2	4214953	0.003227	1.83E-03	4.93E-04	2.78E-04	2.22E-04	1.14E-04
1539	569616.1	4214943	0.003127	1.77E-03	4.78E-04	2.69E-04	2.15E-04	1.11E-04
1540	569614.9	4214933	0.003034	1.72E-03	4.63E-04	2.61E-04	2.09E-04	1.08E-04
1541	569613.8	4214924	0.002944	1.67E-03	4.50E-04	2.54E-04	2.03E-04	1.04E-04
1542	569612.6	4214914	0.002851	1.62E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
1543	569611.5	4214905	0.002764	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.81E-05
1544	569610.4	4214895	0.002684	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
1545	569627.5	4215039	0.004301	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
1546	569632.1	4215048	0.00445	2.52E-03	6.80E-04	3.83E-04	3.07E-04	1.58E-04
1547	569636.8	4215056	0.004621	2.62E-03	7.06E-04	3.98E-04	3.18E-04	1.64E-04
1548	569641.5	4215065	0.004797	2.72E-03	7.33E-04	4.13E-04	3.31E-04	1.70E-04
1549	569646.2	4215073	0.004977	2.82E-03	7.60E-04	4.29E-04	3.43E-04	1.77E-04
1550	569650.8	4215082	0.005184	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
1551	569655.5	4215090	0.005419	3.07E-03	8.27E-04	4.67E-04	3.73E-04	1.92E-04
1552	569660.2	4215099	0.005671	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
1553	569664.9	4215107	0.005941	3.37E-03	9.07E-04	5.12E-04	4.09E-04	2.11E-04
1554	569669.5	4215116	0.00621	3.52E-03	9.48E-04	5.35E-04	4.28E-04	2.20E-04
1555	569674.2	4215124	0.006503	3.68E-03	9.93E-04	5.60E-04	4.48E-04	2.31E-04
1556	569688.2	4215150	0.00751	4.25E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04

1557	569692.9	4215158	0.007885	4.47E-03	1.20E-03	6.79E-04	5.43E-04	2.80E-04
1558	569697.6	4215167	0.008347	4.73E-03	1.27E-03	7.19E-04	5.75E-04	2.96E-04
1559	569702.3	4215175	0.009004	5.10E-03	1.37E-03	7.76E-04	6.20E-04	3.19E-04
1560	569706.9	4215184	0.00973	5.51E-03	1.49E-03	8.38E-04	6.70E-04	3.45E-04
1561	569711.6	4215192	0.010503	5.95E-03	1.60E-03	9.05E-04	7.24E-04	3.73E-04
1562	569716.3	4215201	0.010999	6.23E-03	1.68E-03	9.48E-04	7.58E-04	3.90E-04
1563	569721	4215209	0.01118	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.97E-04
1564	569725.6	4215218	0.011282	6.39E-03	1.72E-03	9.72E-04	7.77E-04	4.00E-04
1565	569730.3	4215226	0.011349	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1566	569735	4215235	0.010888	6.17E-03	1.66E-03	9.38E-04	7.50E-04	3.86E-04
1567	569739.7	4215243	0.010487	5.94E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1568	569744.3	4215252	0.010142	5.75E-03	1.55E-03	8.74E-04	6.99E-04	3.60E-04
1569	569749	4215260	0.009859	5.59E-03	1.51E-03	8.50E-04	6.79E-04	3.50E-04
1570	569984.8	4215238	0.054158	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1571	569985.1	4215248	0.049806	2.82E-02	7.61E-03	4.29E-03	3.43E-03	1.77E-03
1572	569985.4	4215257	0.045339	2.57E-02	6.92E-03	3.91E-03	3.12E-03	1.61E-03
1573	569985.7	4215267	0.04075	2.31E-02	6.22E-03	3.51E-03	2.81E-03	1.45E-03
1574	569986	4215277	0.036657	2.08E-02	5.60E-03	3.16E-03	2.53E-03	1.30E-03
1575	569986.3	4215287	0.033329	1.89E-02	5.09E-03	2.87E-03	2.30E-03	1.18E-03
1576	569986.7	4215296	0.03254	1.84E-02	4.97E-03	2.80E-03	2.24E-03	1.15E-03
1577	569987	4215306	0.032118	1.82E-02	4.90E-03	2.77E-03	2.21E-03	1.14E-03
1578	569987.3	4215316	0.032087	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1579	569987.6	4215325	0.03314	1.88E-02	5.06E-03	2.86E-03	2.28E-03	1.18E-03
1580	569987.9	4215335	0.034546	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1581	569988.2	4215345	0.036811	2.09E-02	5.62E-03	3.17E-03	2.54E-03	1.31E-03
1582	569988.6	4215354	0.036559	2.07E-02	5.58E-03	3.15E-03	2.52E-03	1.30E-03
1583	569988.9	4215364	0.035578	2.02E-02	5.43E-03	3.07E-03	2.45E-03	1.26E-03
1584	569989.2	4215374	0.035647	2.02E-02	5.44E-03	3.07E-03	2.46E-03	1.26E-03
1585	569973.5	4215200	0.058768	3.33E-02	8.97E-03	5.06E-03	4.05E-03	2.08E-03
1586	569973.8	4215209	0.056656	3.21E-02	8.65E-03	4.88E-03	3.90E-03	2.01E-03
1587	569974.1	4215219	0.053451	3.03E-02	8.16E-03	4.61E-03	3.68E-03	1.90E-03
1588	569974.5	4215229	0.049938	2.83E-02	7.63E-03	4.30E-03	3.44E-03	1.77E-03
1589	569974.8	4215238	0.046708	2.65E-02	7.13E-03	4.02E-03	3.22E-03	1.66E-03
1590	569975.1	4215248	0.043334	2.45E-02	6.62E-03	3.73E-03	2.99E-03	1.54E-03
1591	569975.4	4215258	0.039882	2.26E-02	6.09E-03	3.44E-03	2.75E-03	1.41E-03
1592	569975.7	4215267	0.036159	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1593	569976	4215277	0.032871	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1594	569976.4	4215287	0.03031	1.72E-02	4.63E-03	2.61E-03	2.09E-03	1.08E-03
1595	569976.7	4215297	0.029805	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1596	569977	4215306	0.029566	1.68E-02	4.51E-03	2.55E-03	2.04E-03	1.05E-03
1597	569977.3	4215316	0.029598	1.68E-02	4.52E-03	2.55E-03	2.04E-03	1.05E-03
1598	569977.6	4215326	0.030703	1.74E-02	4.69E-03	2.65E-03	2.12E-03	1.09E-03
1599	569977.9	4215335	0.03206	1.82E-02	4.90E-03	2.76E-03	2.21E-03	1.14E-03
1600	569978.2	4215345	0.034333	1.95E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1601	569978.6	4215355	0.03424	1.94E-02	5.23E-03	2.95E-03	2.36E-03	1.21E-03
1602	569978.9	4215364	0.033774	1.91E-02	5.16E-03	2.91E-03	2.33E-03	1.20E-03
1603	569979.2	4215374	0.035038	1.98E-02	5.35E-03	3.02E-03	2.41E-03	1.24E-03
1604	569962.6	4215171	0.053593	3.04E-02	8.18E-03	4.62E-03	3.69E-03	1.90E-03
1605	569962.9	4215181	0.054157	3.07E-02	8.27E-03	4.67E-03	3.73E-03	1.92E-03
1606	569963.2	4215190	0.053374	3.02E-02	8.15E-03	4.60E-03	3.68E-03	1.89E-03
1607	569963.5	4215200	0.051983	2.94E-02	7.94E-03	4.48E-03	3.58E-03	1.84E-03
1608	569963.8	4215210	0.049368	2.80E-02	7.54E-03	4.25E-03	3.40E-03	1.75E-03

1609	569964.2	4215219	0.046069	2.61E-02	7.03E-03	3.97E-03	3.17E-03	1.63E-03
1610	569964.5	4215229	0.042857	2.43E-02	6.54E-03	3.69E-03	2.95E-03	1.52E-03
1611	569964.8	4215239	0.040476	2.29E-02	6.18E-03	3.49E-03	2.79E-03	1.44E-03
1612	569965.1	4215248	0.038011	2.15E-02	5.80E-03	3.28E-03	2.62E-03	1.35E-03
1613	569965.4	4215258	0.035408	2.01E-02	5.41E-03	3.05E-03	2.44E-03	1.26E-03
1614	569965.7	4215268	0.032345	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1615	569966	4215277	0.029696	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1616	569966.4	4215287	0.027697	1.57E-02	4.23E-03	2.39E-03	1.91E-03	9.82E-04
1617	569966.7	4215297	0.0274	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.72E-04
1618	569967	4215307	0.027283	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1619	569967.3	4215316	0.027355	1.55E-02	4.18E-03	2.36E-03	1.89E-03	9.70E-04
1620	569967.6	4215326	0.028517	1.62E-02	4.35E-03	2.46E-03	1.97E-03	1.01E-03
1621	569967.9	4215336	0.029838	1.69E-02	4.56E-03	2.57E-03	2.06E-03	1.06E-03
1622	569968.2	4215345	0.031397	1.78E-02	4.79E-03	2.71E-03	2.16E-03	1.11E-03
1623	569968.6	4215355	0.031456	1.78E-02	4.80E-03	2.71E-03	2.17E-03	1.12E-03
1624	569968.9	4215365	0.032231	1.83E-02	4.92E-03	2.78E-03	2.22E-03	1.14E-03
1625	569969.2	4215374	0.034824	1.97E-02	5.32E-03	3.00E-03	2.40E-03	1.24E-03
1626	569952.3	4215162	0.04675	2.65E-02	7.14E-03	4.03E-03	3.22E-03	1.66E-03
1627	569952.6	4215171	0.048234	2.73E-02	7.37E-03	4.16E-03	3.32E-03	1.71E-03
1628	569952.9	4215181	0.048587	2.75E-02	7.42E-03	4.19E-03	3.35E-03	1.72E-03
1629	569953.2	4215191	0.047851	2.71E-02	7.31E-03	4.12E-03	3.30E-03	1.70E-03
1630	569953.5	4215200	0.046533	2.64E-02	7.11E-03	4.01E-03	3.21E-03	1.65E-03
1631	569953.8	4215210	0.043919	2.49E-02	6.71E-03	3.78E-03	3.03E-03	1.56E-03
1632	569954.2	4215220	0.040685	2.30E-02	6.21E-03	3.51E-03	2.80E-03	1.44E-03
1633	569954.5	4215229	0.037685	2.13E-02	5.75E-03	3.25E-03	2.60E-03	1.34E-03
1634	569954.8	4215239	0.035608	2.02E-02	5.44E-03	3.07E-03	2.45E-03	1.26E-03
1635	569955.1	4215249	0.033509	1.90E-02	5.12E-03	2.89E-03	2.31E-03	1.19E-03
1636	569955.4	4215258	0.031403	1.78E-02	4.80E-03	2.71E-03	2.16E-03	1.11E-03
1637	569955.7	4215268	0.029211	1.65E-02	4.46E-03	2.52E-03	2.01E-03	1.04E-03
1638	569956	4215278	0.027288	1.55E-02	4.17E-03	2.35E-03	1.88E-03	9.68E-04
1639	569956.4	4215287	0.025834	1.46E-02	3.94E-03	2.23E-03	1.78E-03	9.16E-04
1640	569956.7	4215297	0.025557	1.45E-02	3.90E-03	2.20E-03	1.76E-03	9.07E-04
1641	569957	4215307	0.025442	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.02E-04
1642	569957.3	4215317	0.025505	1.44E-02	3.89E-03	2.20E-03	1.76E-03	9.05E-04
1643	569957.6	4215326	0.02646	1.50E-02	4.04E-03	2.28E-03	1.82E-03	9.39E-04
1644	569957.9	4215336	0.027535	1.56E-02	4.20E-03	2.37E-03	1.90E-03	9.77E-04
1645	569958.3	4215346	0.028839	1.63E-02	4.40E-03	2.49E-03	1.99E-03	1.02E-03
1646	569958.6	4215355	0.029153	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1647	569958.9	4215365	0.030545	1.73E-02	4.66E-03	2.63E-03	2.10E-03	1.08E-03
1648	569959.2	4215375	0.034494	1.95E-02	5.27E-03	2.97E-03	2.38E-03	1.22E-03
1649	569942.6	4215172	0.043793	2.48E-02	6.69E-03	3.77E-03	3.02E-03	1.55E-03
1650	569942.9	4215181	0.043979	2.49E-02	6.72E-03	3.79E-03	3.03E-03	1.56E-03
1651	569943.2	4215191	0.043893	2.49E-02	6.70E-03	3.78E-03	3.02E-03	1.56E-03
1652	569943.5	4215201	0.041903	2.37E-02	6.40E-03	3.61E-03	2.89E-03	1.49E-03
1653	569943.8	4215210	0.03929	2.23E-02	6.00E-03	3.39E-03	2.71E-03	1.39E-03
1654	569944.2	4215220	0.036156	2.05E-02	5.52E-03	3.12E-03	2.49E-03	1.28E-03
1655	569944.5	4215230	0.033397	1.89E-02	5.10E-03	2.88E-03	2.30E-03	1.18E-03
1656	569944.8	4215239	0.03155	1.79E-02	4.82E-03	2.72E-03	2.17E-03	1.12E-03
1657	569945.1	4215249	0.029725	1.68E-02	4.54E-03	2.56E-03	2.05E-03	1.05E-03
1658	569945.4	4215259	0.028029	1.59E-02	4.28E-03	2.42E-03	1.93E-03	9.94E-04
1659	569945.7	4215268	0.026567	1.51E-02	4.06E-03	2.29E-03	1.83E-03	9.42E-04
1660	569946.1	4215278	0.02527	1.43E-02	3.86E-03	2.18E-03	1.74E-03	8.96E-04

1661	569946.4	4215288	0.024278	1.38E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1662	569946.7	4215297	0.024002	1.36E-02	3.67E-03	2.07E-03	1.65E-03	8.51E-04
1663	569947	4215307	0.023847	1.35E-02	3.64E-03	2.05E-03	1.64E-03	8.46E-04
1664	569947.3	4215317	0.023871	1.35E-02	3.65E-03	2.06E-03	1.64E-03	8.47E-04
1665	569947.6	4215327	0.024561	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1666	569947.9	4215336	0.025359	1.44E-02	3.87E-03	2.19E-03	1.75E-03	8.99E-04
1667	569948.3	4215346	0.026348	1.49E-02	4.02E-03	2.27E-03	1.82E-03	9.35E-04
1668	569948.6	4215356	0.026993	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1669	569948.9	4215365	0.029008	1.64E-02	4.43E-03	2.50E-03	2.00E-03	1.03E-03
1670	569949.2	4215375	0.034313	1.94E-02	5.24E-03	2.96E-03	2.36E-03	1.22E-03
1671	569932.6	4215172	0.040061	2.27E-02	6.12E-03	3.45E-03	2.76E-03	1.42E-03
1672	569932.9	4215182	0.0401	2.27E-02	6.12E-03	3.46E-03	2.76E-03	1.42E-03
1673	569933.2	4215191	0.039991	2.27E-02	6.11E-03	3.45E-03	2.76E-03	1.42E-03
1674	569933.5	4215201	0.037928	2.15E-02	5.79E-03	3.27E-03	2.61E-03	1.35E-03
1675	569933.9	4215211	0.035314	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1676	569934.2	4215220	0.032289	1.83E-02	4.93E-03	2.78E-03	2.23E-03	1.15E-03
1677	569934.5	4215230	0.029777	1.69E-02	4.55E-03	2.57E-03	2.05E-03	1.06E-03
1678	569934.8	4215240	0.028135	1.59E-02	4.30E-03	2.42E-03	1.94E-03	9.98E-04
1679	569935.1	4215249	0.026546	1.50E-02	4.05E-03	2.29E-03	1.83E-03	9.42E-04
1680	569935.4	4215259	0.02522	1.43E-02	3.85E-03	2.17E-03	1.74E-03	8.95E-04
1681	569935.7	4215269	0.024318	1.38E-02	3.71E-03	2.10E-03	1.68E-03	8.63E-04
1682	569936.1	4215278	0.023504	1.33E-02	3.59E-03	2.03E-03	1.62E-03	8.34E-04
1683	569936.4	4215288	0.022863	1.30E-02	3.49E-03	1.97E-03	1.58E-03	8.11E-04
1684	569936.7	4215298	0.022573	1.28E-02	3.45E-03	1.95E-03	1.56E-03	8.01E-04
1685	569937	4215307	0.022386	1.27E-02	3.42E-03	1.93E-03	1.54E-03	7.94E-04
1686	569937.3	4215317	0.022357	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.93E-04
1687	569937.6	4215327	0.02284	1.29E-02	3.49E-03	1.97E-03	1.57E-03	8.10E-04
1688	569937.9	4215336	0.023476	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.33E-04
1689	569938.3	4215346	0.024365	1.38E-02	3.72E-03	2.10E-03	1.68E-03	8.64E-04
1690	569938.6	4215356	0.0254	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1691	569938.9	4215366	0.028077	1.59E-02	4.29E-03	2.42E-03	1.93E-03	9.96E-04
1692	569939.2	4215375	0.034664	1.96E-02	5.29E-03	2.99E-03	2.39E-03	1.23E-03
1693	569922.9	4215182	0.036851	2.09E-02	5.63E-03	3.18E-03	2.54E-03	1.31E-03
1694	569923.2	4215192	0.036961	2.09E-02	5.64E-03	3.18E-03	2.55E-03	1.31E-03
1695	569923.5	4215201	0.035266	2.00E-02	5.39E-03	3.04E-03	2.43E-03	1.25E-03
1696	569923.9	4215211	0.03271	1.85E-02	4.99E-03	2.82E-03	2.25E-03	1.16E-03
1697	569924.2	4215221	0.02969	1.68E-02	4.53E-03	2.56E-03	2.05E-03	1.05E-03
1698	569924.5	4215230	0.027258	1.54E-02	4.16E-03	2.35E-03	1.88E-03	9.67E-04
1699	569924.8	4215240	0.02567	1.45E-02	3.92E-03	2.21E-03	1.77E-03	9.11E-04
1700	569925.1	4215250	0.02417	1.37E-02	3.69E-03	2.08E-03	1.67E-03	8.57E-04
1701	569925.4	4215259	0.023016	1.30E-02	3.51E-03	1.98E-03	1.59E-03	8.16E-04
1702	569925.7	4215269	0.022343	1.27E-02	3.41E-03	1.93E-03	1.54E-03	7.92E-04
1703	569926.1	4215279	0.021752	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.72E-04
1704	569926.4	4215288	0.021279	1.21E-02	3.25E-03	1.83E-03	1.47E-03	7.55E-04
1705	569926.7	4215298	0.021006	1.19E-02	3.21E-03	1.81E-03	1.45E-03	7.45E-04
1706	569927	4215308	0.020817	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1707	569927.3	4215317	0.020793	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1708	569927.6	4215327	0.02126	1.20E-02	3.25E-03	1.83E-03	1.47E-03	7.54E-04
1709	569928	4215337	0.021919	1.24E-02	3.35E-03	1.89E-03	1.51E-03	7.78E-04
1710	569928.3	4215346	0.022905	1.30E-02	3.50E-03	1.97E-03	1.58E-03	8.12E-04
1711	569928.6	4215356	0.024222	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1712	569928.9	4215366	0.027348	1.55E-02	4.18E-03	2.36E-03	1.88E-03	9.70E-04

1713	569929.2	4215376	0.034566	1.96E-02	5.28E-03	2.98E-03	2.38E-03	1.23E-03
1714	569912.9	4215182	0.034057	1.93E-02	5.20E-03	2.93E-03	2.35E-03	1.21E-03
1715	569913.2	4215192	0.034328	1.94E-02	5.24E-03	2.96E-03	2.37E-03	1.22E-03
1716	569913.5	4215202	0.032895	1.86E-02	5.02E-03	2.83E-03	2.27E-03	1.17E-03
1717	569913.9	4215211	0.0304	1.72E-02	4.64E-03	2.62E-03	2.09E-03	1.08E-03
1718	569914.2	4215221	0.027426	1.55E-02	4.19E-03	2.36E-03	1.89E-03	9.73E-04
1719	569914.5	4215231	0.025091	1.42E-02	3.83E-03	2.16E-03	1.73E-03	8.90E-04
1720	569914.8	4215240	0.023565	1.34E-02	3.60E-03	2.03E-03	1.62E-03	8.36E-04
1721	569915.1	4215250	0.02217	1.26E-02	3.39E-03	1.91E-03	1.53E-03	7.86E-04
1722	569915.4	4215260	0.021108	1.20E-02	3.22E-03	1.82E-03	1.45E-03	7.49E-04
1723	569915.8	4215269	0.020564	1.17E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1724	569916.1	4215279	0.020074	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1725	569916.4	4215289	0.019672	1.11E-02	3.00E-03	1.70E-03	1.36E-03	6.98E-04
1726	569916.7	4215298	0.019388	1.10E-02	2.96E-03	1.67E-03	1.34E-03	6.88E-04
1727	569917	4215308	0.01933	1.10E-02	2.95E-03	1.67E-03	1.33E-03	6.86E-04
1728	569917.3	4215318	0.019321	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.85E-04
1729	569917.6	4215327	0.019858	1.13E-02	3.03E-03	1.71E-03	1.37E-03	7.04E-04
1730	569918	4215337	0.02061	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1731	569918.3	4215347	0.021724	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1732	569918.6	4215356	0.023093	1.31E-02	3.53E-03	1.99E-03	1.59E-03	8.19E-04
1733	569918.9	4215366	0.026099	1.48E-02	3.99E-03	2.25E-03	1.80E-03	9.26E-04
1734	569919.2	4215376	0.032379	1.83E-02	4.94E-03	2.79E-03	2.23E-03	1.15E-03
1735	569903.2	4215192	0.032019	1.81E-02	4.89E-03	2.76E-03	2.21E-03	1.14E-03
1736	569903.6	4215202	0.030785	1.74E-02	4.70E-03	2.65E-03	2.12E-03	1.09E-03
1737	569903.9	4215212	0.028344	1.61E-02	4.33E-03	2.44E-03	1.95E-03	1.01E-03
1738	569904.2	4215221	0.025403	1.44E-02	3.88E-03	2.19E-03	1.75E-03	9.01E-04
1739	569904.5	4215231	0.023182	1.31E-02	3.54E-03	2.00E-03	1.60E-03	8.22E-04
1740	569904.8	4215241	0.021734	1.23E-02	3.32E-03	1.87E-03	1.50E-03	7.71E-04
1741	569905.1	4215250	0.020375	1.15E-02	3.11E-03	1.76E-03	1.40E-03	7.23E-04
1742	569905.4	4215260	0.01949	1.10E-02	2.98E-03	1.68E-03	1.34E-03	6.91E-04
1743	569905.8	4215270	0.019051	1.08E-02	2.91E-03	1.64E-03	1.31E-03	6.76E-04
1744	569906.1	4215279	0.018653	1.06E-02	2.85E-03	1.61E-03	1.29E-03	6.62E-04
1745	569906.4	4215289	0.018307	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.49E-04
1746	569906.7	4215299	0.018023	1.02E-02	2.75E-03	1.55E-03	1.24E-03	6.39E-04
1747	569907	4215308	0.017792	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1748	569907.3	4215318	0.017758	1.01E-02	2.71E-03	1.53E-03	1.22E-03	6.30E-04
1749	569907.6	4215328	0.018618	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1750	569908	4215337	0.019426	1.10E-02	2.97E-03	1.67E-03	1.34E-03	6.89E-04
1751	569908.3	4215347	0.020558	1.16E-02	3.14E-03	1.77E-03	1.42E-03	7.29E-04
1752	569908.6	4215357	0.021798	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1753	569908.9	4215366	0.024225	1.37E-02	3.70E-03	2.09E-03	1.67E-03	8.59E-04
1754	569909.2	4215376	0.028481	1.61E-02	4.35E-03	2.45E-03	1.96E-03	1.01E-03
1755	569893.2	4215193	0.030005	1.70E-02	4.58E-03	2.59E-03	2.07E-03	1.06E-03
1756	569893.6	4215202	0.029124	1.65E-02	4.45E-03	2.51E-03	2.01E-03	1.03E-03
1757	569893.9	4215212	0.026989	1.53E-02	4.12E-03	2.33E-03	1.86E-03	9.57E-04
1758	569894.2	4215222	0.024266	1.37E-02	3.71E-03	2.09E-03	1.67E-03	8.61E-04
1759	569894.5	4215231	0.022132	1.25E-02	3.38E-03	1.91E-03	1.53E-03	7.85E-04
1760	569894.8	4215241	0.020612	1.17E-02	3.15E-03	1.78E-03	1.42E-03	7.31E-04
1761	569895.1	4215251	0.019288	1.09E-02	2.95E-03	1.66E-03	1.33E-03	6.84E-04
1762	569895.4	4215260	0.01836	1.04E-02	2.80E-03	1.58E-03	1.27E-03	6.51E-04
1763	569895.8	4215270	0.0178	1.01E-02	2.72E-03	1.53E-03	1.23E-03	6.31E-04
1764	569896.1	4215280	0.0173	9.80E-03	2.64E-03	1.49E-03	1.19E-03	6.14E-04

1765	569896.4	4215289	0.016938	9.60E-03	2.59E-03	1.46E-03	1.17E-03	6.01E-04
1766	569896.7	4215299	0.016743	9.49E-03	2.56E-03	1.44E-03	1.15E-03	5.94E-04
1767	569897	4215309	0.016582	9.39E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1768	569897.3	4215318	0.016588	9.40E-03	2.53E-03	1.43E-03	1.14E-03	5.88E-04
1769	569897.7	4215328	0.017139	9.71E-03	2.62E-03	1.48E-03	1.18E-03	6.08E-04
1770	569898	4215338	0.018239	1.03E-02	2.79E-03	1.57E-03	1.26E-03	6.47E-04
1771	569898.3	4215347	0.019258	1.09E-02	2.94E-03	1.66E-03	1.33E-03	6.83E-04
1772	569898.6	4215357	0.020301	1.15E-02	3.10E-03	1.75E-03	1.40E-03	7.20E-04
1773	569898.9	4215367	0.022062	1.25E-02	3.37E-03	1.90E-03	1.52E-03	7.83E-04
1774	569883.6	4215203	0.027589	1.56E-02	4.21E-03	2.38E-03	1.90E-03	9.79E-04
1775	569883.9	4215212	0.025735	1.46E-02	3.93E-03	2.22E-03	1.77E-03	9.13E-04
1776	569884.2	4215222	0.023242	1.32E-02	3.55E-03	2.00E-03	1.60E-03	8.24E-04
1777	569884.5	4215232	0.02121	1.20E-02	3.24E-03	1.83E-03	1.46E-03	7.52E-04
1778	569884.8	4215241	0.019681	1.11E-02	3.01E-03	1.70E-03	1.36E-03	6.98E-04
1779	569885.1	4215251	0.018353	1.04E-02	2.80E-03	1.58E-03	1.26E-03	6.51E-04
1780	569885.5	4215261	0.017375	9.84E-03	2.65E-03	1.50E-03	1.20E-03	6.16E-04
1781	569885.8	4215270	0.016684	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1782	569886.1	4215280	0.016089	9.11E-03	2.46E-03	1.39E-03	1.11E-03	5.71E-04
1783	569886.4	4215290	0.015709	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.57E-04
1784	569886.7	4215299	0.015601	8.84E-03	2.38E-03	1.34E-03	1.08E-03	5.53E-04
1785	569887	4215309	0.015514	8.79E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1786	569887.3	4215319	0.015565	8.82E-03	2.38E-03	1.34E-03	1.07E-03	5.52E-04
1787	569887.7	4215328	0.016007	9.07E-03	2.44E-03	1.38E-03	1.10E-03	5.68E-04
1788	569888	4215338	0.016678	9.45E-03	2.55E-03	1.44E-03	1.15E-03	5.92E-04
1789	569888.3	4215348	0.01787	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1790	569888.6	4215357	0.018697	1.06E-02	2.86E-03	1.61E-03	1.29E-03	6.63E-04
1791	569888.9	4215367	0.019898	1.13E-02	3.04E-03	1.71E-03	1.37E-03	7.06E-04
1792	569873.6	4215203	0.026169	1.48E-02	4.00E-03	2.25E-03	1.80E-03	9.28E-04
1793	569873.9	4215213	0.024558	1.39E-02	3.75E-03	2.12E-03	1.69E-03	8.71E-04
1794	569874.2	4215222	0.022278	1.26E-02	3.40E-03	1.92E-03	1.54E-03	7.90E-04
1795	569874.5	4215232	0.020346	1.15E-02	3.11E-03	1.75E-03	1.40E-03	7.22E-04
1796	569874.8	4215242	0.018806	1.07E-02	2.87E-03	1.62E-03	1.30E-03	6.67E-04
1797	569875.1	4215251	0.017483	9.90E-03	2.67E-03	1.51E-03	1.20E-03	6.20E-04
1798	569875.5	4215261	0.016453	9.32E-03	2.51E-03	1.42E-03	1.13E-03	5.84E-04
1799	569875.8	4215271	0.015671	8.88E-03	2.39E-03	1.35E-03	1.08E-03	5.56E-04
1800	569876.1	4215280	0.015017	8.51E-03	2.29E-03	1.29E-03	1.03E-03	5.33E-04
1801	569876.4	4215290	0.014651	8.30E-03	2.24E-03	1.26E-03	1.01E-03	5.20E-04
1802	569876.7	4215300	0.014596	8.27E-03	2.23E-03	1.26E-03	1.01E-03	5.18E-04
1803	569877	4215309	0.014564	8.25E-03	2.22E-03	1.25E-03	1.00E-03	5.17E-04
1804	569877.3	4215319	0.014636	8.29E-03	2.23E-03	1.26E-03	1.01E-03	5.19E-04
1805	569877.7	4215329	0.014976	8.48E-03	2.29E-03	1.29E-03	1.03E-03	5.31E-04
1806	569878	4215338	0.015506	8.78E-03	2.37E-03	1.34E-03	1.07E-03	5.50E-04
1807	569878.3	4215348	0.016218	9.19E-03	2.48E-03	1.40E-03	1.12E-03	5.75E-04
1808	569878.6	4215358	0.016929	9.59E-03	2.59E-03	1.46E-03	1.17E-03	6.00E-04
1809	569878.9	4215367	0.017863	1.01E-02	2.73E-03	1.54E-03	1.23E-03	6.34E-04
1810	569863.9	4215213	0.023457	1.33E-02	3.58E-03	2.02E-03	1.62E-03	8.32E-04
1811	569864.2	4215223	0.021789	1.23E-02	3.33E-03	1.88E-03	1.50E-03	7.73E-04
1812	569864.5	4215232	0.020073	1.14E-02	3.07E-03	1.73E-03	1.38E-03	7.12E-04
1813	569864.8	4215242	0.018509	1.05E-02	2.83E-03	1.59E-03	1.28E-03	6.57E-04
1814	569865.1	4215252	0.017054	9.66E-03	2.60E-03	1.47E-03	1.18E-03	6.05E-04
1815	569865.5	4215261	0.015982	9.05E-03	2.44E-03	1.38E-03	1.10E-03	5.67E-04
1816	569865.8	4215271	0.015168	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04

1817	569866.1	4215281	0.014488	8.21E-03	2.21E-03	1.25E-03	9.98E-04	5.14E-04
1818	569866.4	4215290	0.014088	7.98E-03	2.15E-03	1.21E-03	9.71E-04	5.00E-04
1819	569866.7	4215300	0.013952	7.90E-03	2.13E-03	1.20E-03	9.61E-04	4.95E-04
1820	569867	4215310	0.013841	7.84E-03	2.11E-03	1.19E-03	9.54E-04	4.91E-04
1821	569867.4	4215319	0.01383	7.84E-03	2.11E-03	1.19E-03	9.53E-04	4.91E-04
1822	569867.7	4215329	0.01404	7.95E-03	2.14E-03	1.21E-03	9.68E-04	4.98E-04
1823	569868	4215339	0.014395	8.15E-03	2.20E-03	1.24E-03	9.92E-04	5.11E-04
1824	569868.3	4215348	0.014894	8.44E-03	2.27E-03	1.28E-03	1.03E-03	5.28E-04
1825	569868.6	4215358	0.015453	8.75E-03	2.36E-03	1.33E-03	1.06E-03	5.48E-04
1826	569868.9	4215368	0.016121	9.13E-03	2.46E-03	1.39E-03	1.11E-03	5.72E-04
1827	569853.9	4215213	0.022448	1.27E-02	3.43E-03	1.93E-03	1.55E-03	7.96E-04
1828	569854.2	4215223	0.021307	1.21E-02	3.25E-03	1.84E-03	1.47E-03	7.56E-04
1829	569854.5	4215233	0.019827	1.12E-02	3.03E-03	1.71E-03	1.37E-03	7.03E-04
1830	569854.8	4215242	0.018234	1.03E-02	2.78E-03	1.57E-03	1.26E-03	6.47E-04
1831	569855.2	4215252	0.016722	9.47E-03	2.55E-03	1.44E-03	1.15E-03	5.93E-04
1832	569855.5	4215262	0.01563	8.85E-03	2.39E-03	1.35E-03	1.08E-03	5.54E-04
1833	569855.8	4215271	0.014817	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.26E-04
1834	569856.1	4215281	0.014135	8.01E-03	2.16E-03	1.22E-03	9.74E-04	5.01E-04
1835	569856.4	4215291	0.013695	7.76E-03	2.09E-03	1.18E-03	9.44E-04	4.86E-04
1836	569856.7	4215300	0.01345	7.62E-03	2.05E-03	1.16E-03	9.27E-04	4.77E-04
1837	569857	4215310	0.013221	7.49E-03	2.02E-03	1.14E-03	9.11E-04	4.69E-04
1838	569857.4	4215320	0.013103	7.42E-03	2.00E-03	1.13E-03	9.03E-04	4.65E-04
1839	569857.7	4215329	0.013185	7.47E-03	2.01E-03	1.14E-03	9.09E-04	4.68E-04
1840	569858	4215339	0.013358	7.57E-03	2.04E-03	1.15E-03	9.21E-04	4.74E-04
1841	569858.3	4215349	0.013646	7.73E-03	2.08E-03	1.18E-03	9.40E-04	4.84E-04
1842	569858.6	4215358	0.014048	7.96E-03	2.15E-03	1.21E-03	9.68E-04	4.98E-04
1843	569858.9	4215368	0.014499	8.21E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1844	569844.2	4215223	0.020811	1.18E-02	3.18E-03	1.79E-03	1.43E-03	7.38E-04
1845	569844.5	4215233	0.019531	1.11E-02	2.98E-03	1.68E-03	1.35E-03	6.93E-04
1846	569844.8	4215243	0.017955	1.02E-02	2.74E-03	1.55E-03	1.24E-03	6.37E-04
1847	569845.2	4215252	0.016401	9.29E-03	2.50E-03	1.41E-03	1.13E-03	5.82E-04
1848	569845.5	4215262	0.015306	8.67E-03	2.34E-03	1.32E-03	1.05E-03	5.43E-04
1849	569845.8	4215272	0.014501	8.22E-03	2.21E-03	1.25E-03	9.99E-04	5.14E-04
1850	569846.1	4215281	0.013813	7.83E-03	2.11E-03	1.19E-03	9.52E-04	4.90E-04
1851	569846.4	4215291	0.013319	7.55E-03	2.03E-03	1.15E-03	9.18E-04	4.72E-04
1852	569846.7	4215301	0.012962	7.34E-03	1.98E-03	1.12E-03	8.93E-04	4.60E-04
1853	569847.1	4215310	0.012629	7.15E-03	1.93E-03	1.09E-03	8.70E-04	4.48E-04
1854	569847.4	4215320	0.01242	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1855	569847.7	4215330	0.012395	7.02E-03	1.89E-03	1.07E-03	8.54E-04	4.40E-04
1856	569848	4215339	0.012419	7.04E-03	1.90E-03	1.07E-03	8.56E-04	4.41E-04
1857	569848.3	4215349	0.012546	7.11E-03	1.92E-03	1.08E-03	8.65E-04	4.45E-04
1858	569848.6	4215359	0.012813	7.26E-03	1.96E-03	1.10E-03	8.83E-04	4.54E-04
1859	569848.9	4215368	0.013095	7.42E-03	2.00E-03	1.13E-03	9.02E-04	4.65E-04
1860	569834.2	4215224	0.019693	1.12E-02	3.01E-03	1.70E-03	1.36E-03	6.99E-04
1861	569834.5	4215233	0.018594	1.05E-02	2.84E-03	1.60E-03	1.28E-03	6.60E-04
1862	569834.9	4215243	0.017197	9.74E-03	2.63E-03	1.48E-03	1.19E-03	6.10E-04
1863	569835.2	4215253	0.01579	8.95E-03	2.41E-03	1.36E-03	1.09E-03	5.60E-04
1864	569835.5	4215262	0.014792	8.38E-03	2.26E-03	1.27E-03	1.02E-03	5.25E-04
1865	569835.8	4215272	0.014029	7.95E-03	2.14E-03	1.21E-03	9.67E-04	4.98E-04
1866	569836.1	4215282	0.013375	7.58E-03	2.04E-03	1.15E-03	9.22E-04	4.74E-04
1867	569836.4	4215291	0.012869	7.29E-03	1.97E-03	1.11E-03	8.87E-04	4.56E-04
1868	569836.7	4215301	0.012461	7.06E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04

1869	569837.1	4215311	0.012078	6.84E-03	1.84E-03	1.04E-03	8.32E-04	4.28E-04
1870	569837.4	4215320	0.011828	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1871	569837.7	4215330	0.01174	6.65E-03	1.79E-03	1.01E-03	8.09E-04	4.16E-04
1872	569838	4215340	0.011678	6.62E-03	1.78E-03	1.01E-03	8.05E-04	4.14E-04
1873	569838.3	4215349	0.011691	6.62E-03	1.79E-03	1.01E-03	8.06E-04	4.15E-04
1874	569838.6	4215359	0.011832	6.70E-03	1.81E-03	1.02E-03	8.15E-04	4.20E-04
1875	569838.9	4215369	0.011961	6.78E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1876	569824.5	4215234	0.017679	1.00E-02	2.70E-03	1.52E-03	1.22E-03	6.27E-04
1877	569824.9	4215243	0.016429	9.31E-03	2.51E-03	1.42E-03	1.13E-03	5.83E-04
1878	569825.2	4215253	0.015166	8.59E-03	2.32E-03	1.31E-03	1.05E-03	5.38E-04
1879	569825.5	4215263	0.014254	8.08E-03	2.18E-03	1.23E-03	9.82E-04	5.06E-04
1880	569825.8	4215272	0.013538	7.67E-03	2.07E-03	1.17E-03	9.33E-04	4.80E-04
1881	569826.1	4215282	0.012915	7.32E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1882	569826.4	4215292	0.012404	7.03E-03	1.89E-03	1.07E-03	8.55E-04	4.40E-04
1883	569826.7	4215301	0.011969	6.78E-03	1.83E-03	1.03E-03	8.25E-04	4.25E-04
1884	569827.1	4215311	0.011562	6.55E-03	1.77E-03	9.96E-04	7.97E-04	4.10E-04
1885	569827.4	4215321	0.011297	6.40E-03	1.73E-03	9.73E-04	7.78E-04	4.01E-04
1886	569827.7	4215330	0.011178	6.33E-03	1.71E-03	9.63E-04	7.70E-04	3.96E-04
1887	569828	4215340	0.011067	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1888	569828.3	4215350	0.011011	6.24E-03	1.68E-03	9.49E-04	7.59E-04	3.91E-04
1889	569828.6	4215359	0.011041	6.26E-03	1.69E-03	9.51E-04	7.61E-04	3.92E-04
1890	569829	4215369	0.011047	6.26E-03	1.69E-03	9.52E-04	7.61E-04	3.92E-04
1891	569814.9	4215244	0.015717	8.90E-03	2.40E-03	1.35E-03	1.08E-03	5.58E-04
1892	569815.2	4215253	0.014581	8.26E-03	2.23E-03	1.26E-03	1.00E-03	5.17E-04
1893	569815.5	4215263	0.013748	7.79E-03	2.10E-03	1.18E-03	9.47E-04	4.88E-04
1894	569815.8	4215273	0.013069	7.40E-03	2.00E-03	1.13E-03	9.01E-04	4.64E-04
1895	569816.1	4215282	0.012472	7.07E-03	1.90E-03	1.07E-03	8.59E-04	4.42E-04
1896	569816.4	4215292	0.011956	6.77E-03	1.83E-03	1.03E-03	8.24E-04	4.24E-04
1897	569816.8	4215302	0.011495	6.51E-03	1.76E-03	9.91E-04	7.92E-04	4.08E-04
1898	569817.1	4215311	0.011069	6.27E-03	1.69E-03	9.54E-04	7.63E-04	3.93E-04
1899	569817.4	4215321	0.010794	6.11E-03	1.65E-03	9.30E-04	7.44E-04	3.83E-04
1900	569817.7	4215331	0.010644	6.03E-03	1.63E-03	9.17E-04	7.33E-04	3.78E-04
1901	569818	4215340	0.010496	5.95E-03	1.60E-03	9.04E-04	7.23E-04	3.72E-04
1902	569818.3	4215350	0.010387	5.88E-03	1.59E-03	8.95E-04	7.16E-04	3.68E-04
1903	569818.6	4215360	0.010334	5.85E-03	1.58E-03	8.90E-04	7.12E-04	3.67E-04
1904	569819	4215369	0.010246	5.80E-03	1.56E-03	8.83E-04	7.06E-04	3.63E-04
1905	569804.9	4215244	0.014804	8.39E-03	2.26E-03	1.28E-03	1.02E-03	5.25E-04
1906	569805.2	4215254	0.013738	7.78E-03	2.10E-03	1.18E-03	9.47E-04	4.87E-04
1907	569805.5	4215263	0.012975	7.35E-03	1.98E-03	1.12E-03	8.94E-04	4.60E-04
1908	569805.8	4215273	0.012357	7.00E-03	1.89E-03	1.06E-03	8.52E-04	4.38E-04
1909	569806.1	4215283	0.011814	6.69E-03	1.80E-03	1.02E-03	8.14E-04	4.19E-04
1910	569806.4	4215292	0.011353	6.43E-03	1.73E-03	9.78E-04	7.82E-04	4.03E-04
1911	569806.8	4215302	0.010939	6.20E-03	1.67E-03	9.43E-04	7.54E-04	3.88E-04
1912	569807.1	4215312	0.010546	5.97E-03	1.61E-03	9.09E-04	7.27E-04	3.74E-04
1913	569807.4	4215321	0.010288	5.83E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1914	569807.7	4215331	0.010128	5.74E-03	1.55E-03	8.73E-04	6.98E-04	3.59E-04
1915	569808	4215341	0.009957	5.64E-03	1.52E-03	8.58E-04	6.86E-04	3.53E-04
1916	569808.3	4215350	0.00982	5.56E-03	1.50E-03	8.46E-04	6.77E-04	3.48E-04
1917	569808.6	4215360	0.009724	5.51E-03	1.48E-03	8.38E-04	6.70E-04	3.45E-04
1918	569809	4215370	0.009591	5.43E-03	1.46E-03	8.26E-04	6.61E-04	3.40E-04
1919	569795.2	4215254	0.012911	7.31E-03	1.97E-03	1.11E-03	8.90E-04	4.58E-04
1920	569795.5	4215264	0.012209	6.92E-03	1.86E-03	1.05E-03	8.41E-04	4.33E-04

1921	569795.8	4215273	0.011639	6.59E-03	1.78E-03	1.00E-03	8.02E-04	4.13E-04
1922	569796.1	4215283	0.01114	6.31E-03	1.70E-03	9.60E-04	7.68E-04	3.95E-04
1923	569796.4	4215293	0.010737	6.08E-03	1.64E-03	9.25E-04	7.40E-04	3.81E-04
1924	569796.8	4215302	0.01038	5.88E-03	1.59E-03	8.94E-04	7.15E-04	3.68E-04
1925	569797.1	4215312	0.010033	5.68E-03	1.53E-03	8.65E-04	6.91E-04	3.56E-04
1926	569797.4	4215322	0.0098	5.55E-03	1.50E-03	8.44E-04	6.75E-04	3.48E-04
1927	569797.7	4215331	0.009635	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1928	569798	4215341	0.009456	5.36E-03	1.44E-03	8.15E-04	6.52E-04	3.35E-04
1929	569798.3	4215351	0.009309	5.27E-03	1.42E-03	8.02E-04	6.41E-04	3.30E-04
1930	569798.7	4215360	0.009198	5.21E-03	1.40E-03	7.93E-04	6.34E-04	3.26E-04
1931	569785.2	4215254	0.012157	6.89E-03	1.86E-03	1.05E-03	8.38E-04	4.31E-04
1932	569785.5	4215264	0.011511	6.52E-03	1.76E-03	9.92E-04	7.93E-04	4.08E-04
1933	569785.8	4215274	0.010985	6.22E-03	1.68E-03	9.47E-04	7.57E-04	3.90E-04
1934	569786.1	4215283	0.010523	5.96E-03	1.61E-03	9.07E-04	7.25E-04	3.73E-04
1935	569786.5	4215293	0.010174	5.76E-03	1.55E-03	8.77E-04	7.01E-04	3.61E-04
1936	569786.8	4215303	0.009863	5.59E-03	1.51E-03	8.50E-04	6.80E-04	3.50E-04
1937	569787.1	4215312	0.009557	5.41E-03	1.46E-03	8.23E-04	6.59E-04	3.39E-04
1938	569787.4	4215322	0.009343	5.29E-03	1.43E-03	8.05E-04	6.44E-04	3.31E-04
1939	569787.7	4215332	0.009175	5.20E-03	1.40E-03	7.91E-04	6.32E-04	3.25E-04
1940	569788	4215341	0.00899	5.09E-03	1.37E-03	7.75E-04	6.19E-04	3.19E-04
1941	569788.3	4215351	0.008838	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.13E-04
1942	569788.7	4215361	0.00872	4.94E-03	1.33E-03	7.51E-04	6.01E-04	3.09E-04
1943	569775.5	4215264	0.010933	6.19E-03	1.67E-03	9.42E-04	7.53E-04	3.88E-04
1944	569775.8	4215274	0.010433	5.91E-03	1.59E-03	8.99E-04	7.19E-04	3.70E-04
1945	569776.1	4215284	0.009997	5.66E-03	1.53E-03	8.61E-04	6.89E-04	3.55E-04
1946	569776.5	4215293	0.009664	5.47E-03	1.48E-03	8.33E-04	6.66E-04	3.43E-04
1947	569776.8	4215303	0.009366	5.31E-03	1.43E-03	8.07E-04	6.45E-04	3.32E-04
1948	569777.1	4215313	0.009074	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1949	569777.4	4215322	0.008873	5.03E-03	1.35E-03	7.65E-04	6.11E-04	3.15E-04
1950	569777.7	4215332	0.008706	4.93E-03	1.33E-03	7.50E-04	6.00E-04	3.09E-04
1951	569778	4215342	0.008518	4.83E-03	1.30E-03	7.34E-04	5.87E-04	3.02E-04
1952	569778.3	4215351	0.008368	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1953	569778.7	4215361	0.008254	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1954	569765.5	4215265	0.010407	5.90E-03	1.59E-03	8.97E-04	7.17E-04	3.69E-04
1955	569765.8	4215274	0.009932	5.63E-03	1.52E-03	8.56E-04	6.84E-04	3.52E-04
1956	569766.1	4215284	0.009518	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
1957	569766.5	4215294	0.009193	5.21E-03	1.40E-03	7.92E-04	6.34E-04	3.26E-04
1958	569766.8	4215303	0.008899	5.04E-03	1.36E-03	7.67E-04	6.13E-04	3.16E-04
1959	569767.1	4215313	0.008613	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1960	569767.4	4215323	0.008419	4.77E-03	1.29E-03	7.25E-04	5.80E-04	2.99E-04
1961	569767.7	4215332	0.008252	4.68E-03	1.26E-03	7.11E-04	5.69E-04	2.93E-04
1962	569768	4215342	0.008064	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
1963	569768.4	4215352	0.007918	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
1964	569768.7	4215361	0.007805	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
1965	569755.8	4215275	0.009464	5.36E-03	1.45E-03	8.15E-04	6.52E-04	3.36E-04
1966	569756.2	4215284	0.009074	5.14E-03	1.39E-03	7.82E-04	6.25E-04	3.22E-04
1967	569756.5	4215294	0.008756	4.96E-03	1.34E-03	7.54E-04	6.03E-04	3.11E-04
1968	569756.8	4215304	0.008467	4.80E-03	1.29E-03	7.30E-04	5.83E-04	3.00E-04
1969	569757.1	4215313	0.008195	4.64E-03	1.25E-03	7.06E-04	5.65E-04	2.91E-04
1970	569757.4	4215323	0.008013	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1971	569757.7	4215333	0.007843	4.44E-03	1.20E-03	6.76E-04	5.40E-04	2.78E-04
1972	569758	4215342	0.007656	4.34E-03	1.17E-03	6.60E-04	5.28E-04	2.72E-04

1973	569758.4	4215352	0.007513	4.26E-03	1.15E-03	6.47E-04	5.18E-04	2.66E-04
1974	569758.7	4215362	0.007403	4.19E-03	1.13E-03	6.38E-04	5.10E-04	2.63E-04
1975	569745.8	4215275	0.009027	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1976	569746.2	4215285	0.008656	4.90E-03	1.32E-03	7.46E-04	5.97E-04	3.07E-04
1977	569746.5	4215294	0.008368	4.74E-03	1.28E-03	7.21E-04	5.77E-04	2.97E-04
1978	569746.8	4215304	0.008101	4.59E-03	1.24E-03	6.98E-04	5.58E-04	2.87E-04
1979	569747.1	4215314	0.007849	4.45E-03	1.20E-03	6.76E-04	5.41E-04	2.78E-04
1980	569747.4	4215323	0.00767	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
1981	569747.7	4215333	0.007502	4.25E-03	1.15E-03	6.46E-04	5.17E-04	2.66E-04
1982	569748	4215343	0.007314	4.14E-03	1.12E-03	6.30E-04	5.04E-04	2.59E-04
1983	569748.4	4215352	0.007169	4.06E-03	1.09E-03	6.18E-04	4.94E-04	2.54E-04
1984	569735.2	4215256	0.009509	5.39E-03	1.45E-03	8.19E-04	6.55E-04	3.37E-04
1985	569735.5	4215266	0.009025	5.11E-03	1.38E-03	7.78E-04	6.22E-04	3.20E-04
1986	569735.8	4215275	0.008617	4.88E-03	1.32E-03	7.42E-04	5.94E-04	3.06E-04
1987	569736.2	4215285	0.008267	4.68E-03	1.26E-03	7.12E-04	5.70E-04	2.93E-04
1988	569736.5	4215295	0.00801	4.54E-03	1.22E-03	6.90E-04	5.52E-04	2.84E-04
1989	569736.8	4215304	0.00777	4.40E-03	1.19E-03	6.70E-04	5.35E-04	2.76E-04
1990	569737.1	4215314	0.007539	4.27E-03	1.15E-03	6.50E-04	5.20E-04	2.67E-04
1991	569737.4	4215324	0.007368	4.17E-03	1.13E-03	6.35E-04	5.08E-04	2.61E-04
1992	569737.7	4215333	0.007198	4.08E-03	1.10E-03	6.20E-04	4.96E-04	2.55E-04
1993	569738.1	4215343	0.007006	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.49E-04
1994	569738.4	4215353	0.006867	3.89E-03	1.05E-03	5.92E-04	4.73E-04	2.44E-04
1995	569724.6	4215237	0.010282	5.82E-03	1.57E-03	8.86E-04	7.09E-04	3.65E-04
1996	569724.9	4215247	0.009637	5.46E-03	1.47E-03	8.30E-04	6.64E-04	3.42E-04
1997	569725.2	4215256	0.009084	5.15E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
1998	569725.5	4215266	0.008622	4.88E-03	1.32E-03	7.43E-04	5.94E-04	3.06E-04
1999	569725.9	4215276	0.008232	4.66E-03	1.26E-03	7.09E-04	5.67E-04	2.92E-04
2000	569726.2	4215285	0.007903	4.48E-03	1.21E-03	6.81E-04	5.45E-04	2.80E-04
2001	569726.5	4215295	0.007676	4.35E-03	1.17E-03	6.61E-04	5.29E-04	2.72E-04
2002	569726.8	4215305	0.00746	4.23E-03	1.14E-03	6.43E-04	5.14E-04	2.65E-04
2003	569727.1	4215314	0.007246	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2004	569727.4	4215324	0.00708	4.01E-03	1.08E-03	6.10E-04	4.88E-04	2.51E-04
2005	569727.7	4215334	0.006911	3.91E-03	1.06E-03	5.95E-04	4.76E-04	2.45E-04
2006	569728.1	4215343	0.006722	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2007	569728.4	4215353	0.006587	3.73E-03	1.01E-03	5.68E-04	4.54E-04	2.34E-04
2008	569728.7	4215363	0.006484	3.67E-03	9.90E-04	5.59E-04	4.47E-04	2.30E-04
2009	569714	4215218	0.010771	6.10E-03	1.64E-03	9.28E-04	7.42E-04	3.82E-04
2010	569714.3	4215228	0.010627	6.02E-03	1.62E-03	9.16E-04	7.32E-04	3.77E-04
2011	569714.6	4215237	0.009964	5.64E-03	1.52E-03	8.59E-04	6.87E-04	3.53E-04
2012	569714.9	4215247	0.009356	5.30E-03	1.43E-03	8.06E-04	6.45E-04	3.32E-04
2013	569715.2	4215257	0.008828	5.00E-03	1.35E-03	7.61E-04	6.08E-04	3.13E-04
2014	569715.5	4215266	0.008365	4.74E-03	1.28E-03	7.21E-04	5.76E-04	2.97E-04
2015	569715.9	4215276	0.007976	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2016	569716.2	4215286	0.007645	4.33E-03	1.17E-03	6.59E-04	5.27E-04	2.71E-04
2017	569716.5	4215295	0.007419	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2018	569716.8	4215305	0.007203	4.08E-03	1.10E-03	6.21E-04	4.96E-04	2.55E-04
2019	569717.1	4215315	0.006993	3.96E-03	1.07E-03	6.03E-04	4.82E-04	2.48E-04
2020	569717.4	4215324	0.006826	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2021	569717.7	4215334	0.006652	3.77E-03	1.02E-03	5.73E-04	4.58E-04	2.36E-04
2022	569718.1	4215344	0.006462	3.66E-03	9.87E-04	5.57E-04	4.45E-04	2.29E-04
2023	569718.4	4215353	0.00633	3.59E-03	9.67E-04	5.45E-04	4.36E-04	2.25E-04
2024	569718.7	4215363	0.006226	3.53E-03	9.51E-04	5.36E-04	4.29E-04	2.21E-04

2025	569719	4215373	0.006125	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2026	569719.3	4215382	0.006086	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2027	569709.1	4215385	0.005823	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2028	569699.1	4215385	0.005584	3.16E-03	8.53E-04	4.81E-04	3.85E-04	1.98E-04
2029	569702.4	4215377	0.005683	3.22E-03	8.68E-04	4.90E-04	3.92E-04	2.02E-04
2030	569705.6	4215368	0.005854	3.32E-03	8.94E-04	5.04E-04	4.03E-04	2.08E-04
2031	569708.9	4215360	0.006031	3.42E-03	9.21E-04	5.20E-04	4.16E-04	2.14E-04
2032	569689.3	4215385	0.005376	3.05E-03	8.21E-04	4.63E-04	3.70E-04	1.91E-04
2033	569692.7	4215376	0.005477	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2034	569696.1	4215367	0.005656	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2035	569699.6	4215358	0.00584	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2036	569703	4215349	0.006024	3.41E-03	9.20E-04	5.19E-04	4.15E-04	2.14E-04
2037	569706.5	4215340	0.00626	3.55E-03	9.56E-04	5.39E-04	4.31E-04	2.22E-04
2038	569679.2	4215386	0.005184	2.94E-03	7.92E-04	4.47E-04	3.57E-04	1.84E-04
2039	569682.6	4215377	0.005301	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2040	569686	4215368	0.00547	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2041	569689.4	4215359	0.005637	3.19E-03	8.61E-04	4.86E-04	3.88E-04	2.00E-04
2042	569692.8	4215350	0.005801	3.29E-03	8.86E-04	5.00E-04	4.00E-04	2.06E-04
2043	569696.2	4215341	0.006018	3.41E-03	9.19E-04	5.19E-04	4.15E-04	2.13E-04
2044	569699.6	4215332	0.00627	3.55E-03	9.57E-04	5.40E-04	4.32E-04	2.22E-04
2045	569703	4215324	0.006514	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2046	569706.4	4215315	0.006753	3.83E-03	1.03E-03	5.82E-04	4.65E-04	2.40E-04
2047	569669.2	4215386	0.005002	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2048	569672.6	4215377	0.005133	2.91E-03	7.84E-04	4.42E-04	3.54E-04	1.82E-04
2049	569675.9	4215368	0.005301	3.00E-03	8.09E-04	4.57E-04	3.65E-04	1.88E-04
2050	569679.3	4215360	0.00547	3.10E-03	8.35E-04	4.71E-04	3.77E-04	1.94E-04
2051	569682.7	4215351	0.005633	3.19E-03	8.60E-04	4.85E-04	3.88E-04	2.00E-04
2052	569686.1	4215342	0.005824	3.30E-03	8.89E-04	5.02E-04	4.01E-04	2.07E-04
2053	569689.4	4215333	0.006052	3.43E-03	9.24E-04	5.21E-04	4.17E-04	2.15E-04
2054	569692.8	4215325	0.006278	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2055	569696.2	4215316	0.006507	3.69E-03	9.94E-04	5.61E-04	4.48E-04	2.31E-04
2056	569699.5	4215307	0.00678	3.84E-03	1.04E-03	5.84E-04	4.67E-04	2.40E-04
2057	569702.9	4215298	0.007057	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2058	569706.3	4215290	0.007338	4.16E-03	1.12E-03	6.32E-04	5.06E-04	2.60E-04
2059	569659.2	4215386	0.004817	2.73E-03	7.36E-04	4.15E-04	3.32E-04	1.71E-04
2060	569662.5	4215378	0.004967	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2061	569665.9	4215369	0.005144	2.91E-03	7.85E-04	4.43E-04	3.54E-04	1.82E-04
2062	569669.2	4215360	0.005311	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2063	569672.5	4215352	0.005477	3.10E-03	8.36E-04	4.72E-04	3.77E-04	1.94E-04
2064	569675.9	4215343	0.005655	3.20E-03	8.64E-04	4.87E-04	3.90E-04	2.01E-04
2065	569679.2	4215334	0.005869	3.32E-03	8.96E-04	5.06E-04	4.04E-04	2.08E-04
2066	569682.6	4215326	0.006083	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2067	569685.9	4215317	0.006294	3.57E-03	9.61E-04	5.42E-04	4.34E-04	2.23E-04
2068	569689.2	4215308	0.006557	3.71E-03	1.00E-03	5.65E-04	4.52E-04	2.33E-04
2069	569692.6	4215299	0.006824	3.87E-03	1.04E-03	5.88E-04	4.70E-04	2.42E-04
2070	569695.9	4215291	0.007101	4.02E-03	1.08E-03	6.12E-04	4.89E-04	2.52E-04
2071	569699.2	4215282	0.00742	4.20E-03	1.13E-03	6.39E-04	5.11E-04	2.63E-04
2072	569702.6	4215273	0.007805	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2073	569705.9	4215265	0.008239	4.67E-03	1.26E-03	7.10E-04	5.68E-04	2.92E-04
2074	569649.2	4215387	0.004629	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2075	569652.5	4215378	0.004785	2.71E-03	7.31E-04	4.12E-04	3.30E-04	1.70E-04
2076	569655.8	4215369	0.004967	2.81E-03	7.58E-04	4.28E-04	3.42E-04	1.76E-04

2077	569659.1	4215361	0.005153	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2078	569662.4	4215352	0.005325	3.02E-03	8.13E-04	4.59E-04	3.67E-04	1.89E-04
2079	569665.7	4215344	0.005498	3.11E-03	8.39E-04	4.74E-04	3.79E-04	1.95E-04
2080	569669	4215335	0.005701	3.23E-03	8.71E-04	4.91E-04	3.93E-04	2.02E-04
2081	569672.3	4215326	0.0059	3.34E-03	9.01E-04	5.08E-04	4.07E-04	2.09E-04
2082	569675.7	4215318	0.0061	3.46E-03	9.31E-04	5.26E-04	4.20E-04	2.16E-04
2083	569679	4215309	0.006358	3.60E-03	9.71E-04	5.48E-04	4.38E-04	2.26E-04
2084	569682.3	4215301	0.006634	3.76E-03	1.01E-03	5.72E-04	4.57E-04	2.35E-04
2085	569685.6	4215292	0.006916	3.92E-03	1.06E-03	5.96E-04	4.77E-04	2.45E-04
2086	569688.9	4215283	0.007212	4.09E-03	1.10E-03	6.21E-04	4.97E-04	2.56E-04
2087	569692.2	4215275	0.007564	4.29E-03	1.16E-03	6.52E-04	5.21E-04	2.68E-04
2088	569695.5	4215266	0.007978	4.52E-03	1.22E-03	6.87E-04	5.50E-04	2.83E-04
2089	569698.8	4215257	0.008454	4.79E-03	1.29E-03	7.28E-04	5.83E-04	3.00E-04
2090	569702.2	4215249	0.008963	5.08E-03	1.37E-03	7.72E-04	6.18E-04	3.18E-04
2091	569705.5	4215240	0.009536	5.40E-03	1.46E-03	8.22E-04	6.57E-04	3.38E-04
2092	569639.3	4215387	0.004463	2.53E-03	6.81E-04	3.85E-04	3.08E-04	1.58E-04
2093	569642.7	4215378	0.004628	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2094	569646.2	4215369	0.004823	2.73E-03	7.36E-04	4.16E-04	3.32E-04	1.71E-04
2095	569649.6	4215360	0.005021	2.84E-03	7.67E-04	4.33E-04	3.46E-04	1.78E-04
2096	569653.1	4215351	0.005206	2.95E-03	7.95E-04	4.49E-04	3.59E-04	1.85E-04
2097	569656.5	4215342	0.005402	3.06E-03	8.25E-04	4.65E-04	3.72E-04	1.92E-04
2098	569660	4215333	0.00561	3.18E-03	8.57E-04	4.83E-04	3.87E-04	1.99E-04
2099	569663.4	4215324	0.005806	3.29E-03	8.87E-04	5.00E-04	4.00E-04	2.06E-04
2100	569666.9	4215315	0.006011	3.41E-03	9.18E-04	5.18E-04	4.14E-04	2.13E-04
2101	569670.3	4215306	0.006304	3.57E-03	9.63E-04	5.43E-04	4.34E-04	2.24E-04
2102	569673.7	4215297	0.006609	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2103	569677.2	4215288	0.006923	3.92E-03	1.06E-03	5.97E-04	4.77E-04	2.46E-04
2104	569680.6	4215279	0.007255	4.11E-03	1.11E-03	6.25E-04	5.00E-04	2.57E-04
2105	569684.1	4215270	0.00763	4.32E-03	1.17E-03	6.57E-04	5.26E-04	2.71E-04
2106	569687.5	4215261	0.008066	4.57E-03	1.23E-03	6.95E-04	5.56E-04	2.86E-04
2107	569691	4215252	0.008553	4.85E-03	1.31E-03	7.37E-04	5.89E-04	3.03E-04
2108	569694.4	4215243	0.009093	5.15E-03	1.39E-03	7.83E-04	6.27E-04	3.23E-04
2109	569697.9	4215234	0.009697	5.49E-03	1.48E-03	8.36E-04	6.68E-04	3.44E-04
2110	569701.3	4215225	0.010302	5.84E-03	1.57E-03	8.88E-04	7.10E-04	3.65E-04
2111	569704.7	4215216	0.010402	5.89E-03	1.59E-03	8.96E-04	7.17E-04	3.69E-04
2112	569629.3	4215387	0.004305	2.44E-03	6.57E-04	3.71E-04	2.97E-04	1.53E-04
2113	569632.7	4215378	0.004466	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2114	569636.1	4215369	0.00466	2.64E-03	7.12E-04	4.01E-04	3.21E-04	1.65E-04
2115	569639.5	4215360	0.004859	2.75E-03	7.42E-04	4.19E-04	3.35E-04	1.72E-04
2116	569642.9	4215352	0.005051	2.86E-03	7.71E-04	4.35E-04	3.48E-04	1.79E-04
2117	569646.3	4215343	0.005251	2.97E-03	8.02E-04	4.52E-04	3.62E-04	1.86E-04
2118	569649.8	4215334	0.005464	3.10E-03	8.34E-04	4.71E-04	3.77E-04	1.94E-04
2119	569653.2	4215325	0.00567	3.21E-03	8.66E-04	4.89E-04	3.91E-04	2.01E-04
2120	569656.6	4215316	0.005861	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2121	569660	4215307	0.006138	3.48E-03	9.37E-04	5.29E-04	4.23E-04	2.18E-04
2122	569663.4	4215298	0.006437	3.65E-03	9.83E-04	5.55E-04	4.44E-04	2.28E-04
2123	569666.8	4215289	0.006769	3.83E-03	1.03E-03	5.83E-04	4.66E-04	2.40E-04
2124	569670.2	4215280	0.007094	4.02E-03	1.08E-03	6.11E-04	4.89E-04	2.52E-04
2125	569673.7	4215272	0.007439	4.21E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2126	569677.1	4215263	0.007834	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2127	569680.5	4215254	0.008274	4.69E-03	1.26E-03	7.13E-04	5.70E-04	2.93E-04
2128	569683.9	4215245	0.008727	4.94E-03	1.33E-03	7.52E-04	6.01E-04	3.10E-04

2129	569687.3	4215236	0.009262	5.25E-03	1.41E-03	7.98E-04	6.38E-04	3.29E-04
2130	569690.7	4215227	0.009877	5.60E-03	1.51E-03	8.51E-04	6.81E-04	3.50E-04
2131	569694.1	4215218	0.01001	5.67E-03	1.53E-03	8.63E-04	6.90E-04	3.55E-04
2132	569697.6	4215209	0.010066	5.70E-03	1.54E-03	8.67E-04	6.94E-04	3.57E-04
2133	569625.9	4215396	0.004142	2.35E-03	6.32E-04	3.57E-04	2.85E-04	1.47E-04
2134	569619.3	4215387	0.004163	2.36E-03	6.36E-04	3.59E-04	2.87E-04	1.48E-04
2135	569622.6	4215379	0.004324	2.45E-03	6.60E-04	3.73E-04	2.98E-04	1.53E-04
2136	569626	4215370	0.004508	2.55E-03	6.88E-04	3.88E-04	3.11E-04	1.60E-04
2137	569629.4	4215361	0.004705	2.67E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2138	569632.8	4215352	0.004902	2.78E-03	7.49E-04	4.22E-04	3.38E-04	1.74E-04
2139	569636.2	4215343	0.005104	2.89E-03	7.79E-04	4.40E-04	3.52E-04	1.81E-04
2140	569639.6	4215335	0.005328	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2141	569643	4215326	0.005544	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2142	569646.3	4215317	0.005749	3.26E-03	8.78E-04	4.95E-04	3.96E-04	2.04E-04
2143	569649.7	4215308	0.006017	3.41E-03	9.19E-04	5.18E-04	4.15E-04	2.13E-04
2144	569653.1	4215299	0.006311	3.58E-03	9.64E-04	5.44E-04	4.35E-04	2.24E-04
2145	569656.5	4215291	0.006632	3.76E-03	1.01E-03	5.71E-04	4.57E-04	2.35E-04
2146	569659.9	4215282	0.006952	3.94E-03	1.06E-03	5.99E-04	4.79E-04	2.47E-04
2147	569663.3	4215273	0.007269	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2148	569666.7	4215264	0.007628	4.32E-03	1.16E-03	6.57E-04	5.26E-04	2.71E-04
2149	569670.1	4215255	0.008028	4.55E-03	1.23E-03	6.92E-04	5.53E-04	2.85E-04
2150	569673.4	4215246	0.008405	4.76E-03	1.28E-03	7.24E-04	5.79E-04	2.98E-04
2151	569676.8	4215238	0.008843	5.01E-03	1.35E-03	7.62E-04	6.09E-04	3.14E-04
2152	569680.2	4215229	0.009352	5.30E-03	1.43E-03	8.06E-04	6.44E-04	3.32E-04
2153	569683.6	4215220	0.00952	5.39E-03	1.45E-03	8.20E-04	6.56E-04	3.38E-04
2154	569687	4215211	0.009552	5.41E-03	1.46E-03	8.23E-04	6.58E-04	3.39E-04
2155	569690.4	4215202	0.009615	5.45E-03	1.47E-03	8.29E-04	6.63E-04	3.41E-04
2156	569615.9	4215396	0.004001	2.27E-03	6.11E-04	3.45E-04	2.76E-04	1.42E-04
2157	569616.2	4215406	0.003879	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2158	569616.5	4215416	0.003774	2.14E-03	5.76E-04	3.25E-04	2.60E-04	1.34E-04
2159	569609.2	4215388	0.004028	2.28E-03	6.15E-04	3.47E-04	2.78E-04	1.43E-04
2160	569612.6	4215379	0.004187	2.37E-03	6.39E-04	3.61E-04	2.89E-04	1.49E-04
2161	569616	4215370	0.004366	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2162	569619.3	4215362	0.004558	2.58E-03	6.96E-04	3.93E-04	3.14E-04	1.62E-04
2163	569622.7	4215353	0.004752	2.69E-03	7.26E-04	4.09E-04	3.27E-04	1.69E-04
2164	569626	4215344	0.004955	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2165	569629.4	4215335	0.005189	2.94E-03	7.92E-04	4.47E-04	3.58E-04	1.84E-04
2166	569632.8	4215327	0.005425	3.07E-03	8.28E-04	4.67E-04	3.74E-04	1.92E-04
2167	569636.1	4215318	0.005651	3.20E-03	8.63E-04	4.87E-04	3.89E-04	2.00E-04
2168	569639.5	4215309	0.00591	3.35E-03	9.02E-04	5.09E-04	4.07E-04	2.10E-04
2169	569642.8	4215300	0.0062	3.51E-03	9.47E-04	5.34E-04	4.27E-04	2.20E-04
2170	569646.2	4215292	0.006514	3.69E-03	9.95E-04	5.61E-04	4.49E-04	2.31E-04
2171	569649.6	4215283	0.006828	3.87E-03	1.04E-03	5.88E-04	4.71E-04	2.42E-04
2172	569652.9	4215274	0.007119	4.03E-03	1.09E-03	6.13E-04	4.91E-04	2.53E-04
2173	569656.3	4215265	0.007442	4.22E-03	1.14E-03	6.41E-04	5.13E-04	2.64E-04
2174	569659.7	4215257	0.007806	4.42E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2175	569663	4215248	0.008118	4.60E-03	1.24E-03	6.99E-04	5.59E-04	2.88E-04
2176	569666.4	4215239	0.008477	4.80E-03	1.29E-03	7.30E-04	5.84E-04	3.01E-04
2177	569669.7	4215230	0.008892	5.04E-03	1.36E-03	7.66E-04	6.13E-04	3.15E-04
2178	569673.1	4215222	0.009082	5.14E-03	1.39E-03	7.83E-04	6.26E-04	3.22E-04
2179	569676.5	4215213	0.009043	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2180	569679.8	4215204	0.009033	5.12E-03	1.38E-03	7.78E-04	6.23E-04	3.20E-04

2181	569683.2	4215195	0.009036	5.12E-03	1.38E-03	7.79E-04	6.23E-04	3.21E-04
2182	569695.1	4215183	0.009058	5.13E-03	1.38E-03	7.80E-04	6.24E-04	3.21E-04
2183	569605.9	4215397	0.003869	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2184	569606.2	4215406	0.003746	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2185	569606.5	4215416	0.003651	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2186	569606.8	4215426	0.003559	2.02E-03	5.43E-04	3.07E-04	2.45E-04	1.26E-04
2187	569599.2	4215388	0.003901	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2188	569602.6	4215379	0.004057	2.30E-03	6.19E-04	3.50E-04	2.80E-04	1.44E-04
2189	569605.9	4215371	0.00423	2.40E-03	6.46E-04	3.64E-04	2.92E-04	1.50E-04
2190	569609.2	4215362	0.004418	2.50E-03	6.75E-04	3.81E-04	3.04E-04	1.57E-04
2191	569612.6	4215353	0.004609	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2192	569615.9	4215345	0.004806	2.72E-03	7.34E-04	4.14E-04	3.31E-04	1.70E-04
2193	569619.2	4215336	0.005041	2.86E-03	7.70E-04	4.34E-04	3.47E-04	1.79E-04
2194	569622.6	4215327	0.005282	2.99E-03	8.07E-04	4.55E-04	3.64E-04	1.87E-04
2195	569625.9	4215319	0.005525	3.13E-03	8.44E-04	4.76E-04	3.81E-04	1.96E-04
2196	569629.3	4215310	0.005795	3.28E-03	8.85E-04	4.99E-04	3.99E-04	2.06E-04
2197	569632.6	4215301	0.006096	3.45E-03	9.31E-04	5.25E-04	4.20E-04	2.16E-04
2198	569635.9	4215293	0.00641	3.63E-03	9.79E-04	5.52E-04	4.42E-04	2.27E-04
2199	569639.3	4215284	0.00672	3.81E-03	1.03E-03	5.79E-04	4.63E-04	2.38E-04
2200	569642.6	4215275	0.006982	3.96E-03	1.07E-03	6.02E-04	4.81E-04	2.48E-04
2201	569646	4215267	0.007274	4.12E-03	1.11E-03	6.27E-04	5.01E-04	2.58E-04
2202	569649.3	4215258	0.007597	4.30E-03	1.16E-03	6.55E-04	5.24E-04	2.69E-04
2203	569652.6	4215249	0.007838	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2204	569656	4215241	0.008106	4.59E-03	1.24E-03	6.98E-04	5.59E-04	2.88E-04
2205	569659.3	4215232	0.008441	4.78E-03	1.29E-03	7.27E-04	5.82E-04	2.99E-04
2206	569662.6	4215223	0.008679	4.92E-03	1.33E-03	7.48E-04	5.98E-04	3.08E-04
2207	569666	4215214	0.008593	4.87E-03	1.31E-03	7.40E-04	5.92E-04	3.05E-04
2208	569669.3	4215206	0.008526	4.83E-03	1.30E-03	7.35E-04	5.88E-04	3.02E-04
2209	569672.7	4215197	0.008486	4.81E-03	1.30E-03	7.31E-04	5.85E-04	3.01E-04
2210	569676	4215188	0.008356	4.73E-03	1.28E-03	7.20E-04	5.76E-04	2.96E-04
2211	569687.9	4215176	0.008375	4.74E-03	1.28E-03	7.22E-04	5.77E-04	2.97E-04
2212	569595.9	4215397	0.003749	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2213	569596.2	4215407	0.003629	2.06E-03	5.54E-04	3.13E-04	2.50E-04	1.29E-04
2214	569596.5	4215416	0.003539	2.01E-03	5.40E-04	3.05E-04	2.44E-04	1.26E-04
2215	569596.8	4215426	0.003452	1.96E-03	5.27E-04	2.97E-04	2.38E-04	1.22E-04
2216	569597.1	4215435	0.003367	1.91E-03	5.14E-04	2.90E-04	2.32E-04	1.19E-04
2217	569589.3	4215388	0.003789	2.15E-03	5.79E-04	3.26E-04	2.61E-04	1.34E-04
2218	569592.8	4215379	0.003946	2.24E-03	6.03E-04	3.40E-04	2.72E-04	1.40E-04
2219	569596.2	4215370	0.004122	2.34E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2220	569599.7	4215361	0.004313	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2221	569603.1	4215352	0.004509	2.55E-03	6.89E-04	3.89E-04	3.11E-04	1.60E-04
2222	569606.6	4215343	0.004721	2.67E-03	7.21E-04	4.07E-04	3.25E-04	1.67E-04
2223	569610	4215334	0.004967	2.81E-03	7.59E-04	4.28E-04	3.42E-04	1.76E-04
2224	569613.5	4215325	0.005224	2.96E-03	7.98E-04	4.50E-04	3.60E-04	1.85E-04
2225	569616.9	4215316	0.005488	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2226	569620.4	4215307	0.005772	3.27E-03	8.81E-04	4.97E-04	3.98E-04	2.05E-04
2227	569623.8	4215298	0.006081	3.45E-03	9.29E-04	5.24E-04	4.19E-04	2.16E-04
2228	569627.3	4215289	0.006421	3.64E-03	9.80E-04	5.53E-04	4.42E-04	2.28E-04
2229	569630.7	4215281	0.006708	3.80E-03	1.02E-03	5.78E-04	4.62E-04	2.38E-04
2230	569634.2	4215272	0.007005	3.97E-03	1.07E-03	6.04E-04	4.83E-04	2.48E-04
2231	569637.6	4215263	0.007289	4.13E-03	1.11E-03	6.28E-04	5.02E-04	2.59E-04
2232	569641.1	4215254	0.007548	4.28E-03	1.15E-03	6.50E-04	5.20E-04	2.68E-04

2233	569644.5	4215245	0.007709	4.37E-03	1.18E-03	6.64E-04	5.31E-04	2.73E-04
2234	569648	4215236	0.007924	4.49E-03	1.21E-03	6.83E-04	5.46E-04	2.81E-04
2235	569651.4	4215227	0.008203	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2236	569654.9	4215218	0.008202	4.65E-03	1.25E-03	7.07E-04	5.65E-04	2.91E-04
2237	569658.3	4215209	0.008139	4.61E-03	1.24E-03	7.01E-04	5.61E-04	2.89E-04
2238	569661.8	4215200	0.008032	4.55E-03	1.23E-03	6.92E-04	5.54E-04	2.85E-04
2239	569665.2	4215191	0.007921	4.49E-03	1.21E-03	6.82E-04	5.46E-04	2.81E-04
2240	569668.7	4215182	0.007813	4.43E-03	1.19E-03	6.73E-04	5.38E-04	2.77E-04
2241	569680.9	4215169	0.007835	4.44E-03	1.20E-03	6.75E-04	5.40E-04	2.78E-04
2242	569585.9	4215397	0.003636	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2243	569586.2	4215407	0.00352	1.99E-03	5.38E-04	3.03E-04	2.43E-04	1.25E-04
2244	569586.5	4215416	0.003435	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2245	569586.8	4215426	0.003351	1.90E-03	5.12E-04	2.89E-04	2.31E-04	1.19E-04
2246	569587.1	4215436	0.003269	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2247	569918.2	4215544	0.005545	3.14E-03	8.47E-04	4.78E-04	3.82E-04	1.97E-04
2248	569927.5	4215543	0.005642	3.20E-03	8.61E-04	4.86E-04	3.89E-04	2.00E-04
2249	569936.8	4215541	0.005746	3.26E-03	8.77E-04	4.95E-04	3.96E-04	2.04E-04
2250	569946.1	4215539	0.005858	3.32E-03	8.95E-04	5.05E-04	4.04E-04	2.08E-04
2251	569955.4	4215538	0.005983	3.39E-03	9.14E-04	5.16E-04	4.12E-04	2.12E-04
2252	569964.8	4215536	0.006122	3.47E-03	9.35E-04	5.28E-04	4.22E-04	2.17E-04
2253	569974.1	4215534	0.00628	3.56E-03	9.59E-04	5.41E-04	4.33E-04	2.23E-04
2254	569983.4	4215533	0.006455	3.66E-03	9.86E-04	5.56E-04	4.45E-04	2.29E-04
2255	569992.7	4215531	0.006646	3.77E-03	1.01E-03	5.73E-04	4.58E-04	2.36E-04
2256	570002	4215529	0.006848	3.88E-03	1.05E-03	5.90E-04	4.72E-04	2.43E-04
2257	570011.3	4215527	0.007056	4.00E-03	1.08E-03	6.08E-04	4.86E-04	2.50E-04
2258	570020.6	4215526	0.007264	4.12E-03	1.11E-03	6.26E-04	5.01E-04	2.58E-04
2259	569911.2	4215552	0.005191	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2260	569902.5	4215550	0.005279	2.99E-03	8.06E-04	4.55E-04	3.64E-04	1.87E-04
2261	569929.3	4215552	0.005181	2.94E-03	7.91E-04	4.46E-04	3.57E-04	1.84E-04
2262	569938.6	4215551	0.005266	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2263	569947.9	4215549	0.005359	3.04E-03	8.18E-04	4.62E-04	3.69E-04	1.90E-04
2264	569957.2	4215547	0.00546	3.09E-03	8.34E-04	4.70E-04	3.76E-04	1.94E-04
2265	569966.5	4215546	0.005573	3.16E-03	8.51E-04	4.80E-04	3.84E-04	1.98E-04
2266	569975.8	4215544	0.005699	3.23E-03	8.70E-04	4.91E-04	3.93E-04	2.02E-04
2267	569985.2	4215542	0.00584	3.31E-03	8.92E-04	5.03E-04	4.02E-04	2.07E-04
2268	569994.5	4215541	0.005994	3.40E-03	9.15E-04	5.17E-04	4.13E-04	2.13E-04
2269	570003.8	4215539	0.00616	3.49E-03	9.41E-04	5.31E-04	4.24E-04	2.18E-04
2270	570013.1	4215537	0.006327	3.58E-03	9.66E-04	5.45E-04	4.36E-04	2.24E-04
2271	570022.4	4215536	0.006492	3.68E-03	9.91E-04	5.59E-04	4.47E-04	2.30E-04
2272	569913	4215562	0.004787	2.71E-03	7.31E-04	4.13E-04	3.30E-04	1.70E-04
2273	569895.7	4215557	0.004955	2.81E-03	7.57E-04	4.27E-04	3.41E-04	1.76E-04
2274	569878.3	4215553	0.005116	2.90E-03	7.81E-04	4.41E-04	3.53E-04	1.81E-04
2275	569921.7	4215564	0.004703	2.66E-03	7.18E-04	4.05E-04	3.24E-04	1.67E-04
2276	569931	4215562	0.00477	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2277	569940.3	4215561	0.004841	2.74E-03	7.39E-04	4.17E-04	3.34E-04	1.72E-04
2278	569949.7	4215559	0.004918	2.79E-03	7.51E-04	4.24E-04	3.39E-04	1.74E-04
2279	569959	4215557	0.005002	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2280	569968.3	4215556	0.005095	2.89E-03	7.78E-04	4.39E-04	3.51E-04	1.81E-04
2281	569977.6	4215554	0.005198	2.94E-03	7.94E-04	4.48E-04	3.58E-04	1.84E-04
2282	569986.9	4215552	0.005313	3.01E-03	8.11E-04	4.58E-04	3.66E-04	1.88E-04
2283	569996.2	4215551	0.005433	3.08E-03	8.30E-04	4.68E-04	3.74E-04	1.93E-04
2284	570005.6	4215549	0.00556	3.15E-03	8.49E-04	4.79E-04	3.83E-04	1.97E-04

2285	570014.9	4215547	0.005692	3.22E-03	8.69E-04	4.90E-04	3.92E-04	2.02E-04
2286	570024.2	4215546	0.005829	3.30E-03	8.90E-04	5.02E-04	4.02E-04	2.07E-04
2287	570033.5	4215544	0.005947	3.37E-03	9.08E-04	5.12E-04	4.10E-04	2.11E-04
2288	569914.8	4215572	0.004426	2.51E-03	6.76E-04	3.81E-04	3.05E-04	1.57E-04
2289	569897.6	4215567	0.004583	2.60E-03	7.00E-04	3.95E-04	3.16E-04	1.63E-04
2290	569880.3	4215563	0.004736	2.68E-03	7.23E-04	4.08E-04	3.26E-04	1.68E-04
2291	569863	4215558	0.004883	2.77E-03	7.46E-04	4.21E-04	3.36E-04	1.73E-04
2292	569923.5	4215574	0.004348	2.46E-03	6.64E-04	3.75E-04	3.00E-04	1.54E-04
2293	569932.8	4215572	0.004404	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2294	569942.1	4215570	0.004465	2.53E-03	6.82E-04	3.85E-04	3.08E-04	1.58E-04
2295	569951.4	4215569	0.004529	2.57E-03	6.92E-04	3.90E-04	3.12E-04	1.61E-04
2296	569960.7	4215567	0.004599	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2297	569970.1	4215565	0.004677	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2298	569979.4	4215564	0.004758	2.70E-03	7.27E-04	4.10E-04	3.28E-04	1.69E-04
2299	569988.7	4215562	0.004846	2.75E-03	7.40E-04	4.18E-04	3.34E-04	1.72E-04
2300	569998	4215560	0.00494	2.80E-03	7.54E-04	4.26E-04	3.40E-04	1.75E-04
2301	570007.3	4215559	0.005043	2.86E-03	7.70E-04	4.35E-04	3.48E-04	1.79E-04
2302	570016.6	4215557	0.005152	2.92E-03	7.87E-04	4.44E-04	3.55E-04	1.83E-04
2303	570026	4215555	0.005263	2.98E-03	8.04E-04	4.54E-04	3.63E-04	1.87E-04
2304	569916.7	4215581	0.0041	2.32E-03	6.26E-04	3.53E-04	2.83E-04	1.45E-04
2305	569899.4	4215577	0.004247	2.41E-03	6.49E-04	3.66E-04	2.93E-04	1.51E-04
2306	569882.2	4215573	0.004393	2.49E-03	6.71E-04	3.79E-04	3.03E-04	1.56E-04
2307	569865	4215568	0.004534	2.57E-03	6.92E-04	3.91E-04	3.12E-04	1.61E-04
2308	569847.8	4215564	0.004666	2.64E-03	7.13E-04	4.02E-04	3.22E-04	1.66E-04
2309	569830.6	4215559	0.0046	2.61E-03	7.02E-04	3.96E-04	3.17E-04	1.63E-04
2310	569934.6	4215582	0.004075	2.31E-03	6.22E-04	3.51E-04	2.81E-04	1.45E-04
2311	569943.9	4215580	0.004127	2.34E-03	6.30E-04	3.56E-04	2.84E-04	1.46E-04
2312	569953.2	4215579	0.004182	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2313	569962.5	4215577	0.004242	2.40E-03	6.48E-04	3.66E-04	2.92E-04	1.50E-04
2314	569971.8	4215575	0.004303	2.44E-03	6.57E-04	3.71E-04	2.96E-04	1.53E-04
2315	569981.1	4215574	0.004368	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2316	569990.5	4215572	0.00444	2.52E-03	6.78E-04	3.83E-04	3.06E-04	1.57E-04
2317	569999.8	4215570	0.004518	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2318	570009.1	4215569	0.004604	2.61E-03	7.03E-04	3.97E-04	3.17E-04	1.63E-04
2319	570065	4215558	0.005191	2.94E-03	7.93E-04	4.47E-04	3.58E-04	1.84E-04
2320	570074.3	4215557	0.005332	3.02E-03	8.14E-04	4.59E-04	3.67E-04	1.89E-04
2321	570083.6	4215555	0.005485	3.11E-03	8.38E-04	4.73E-04	3.78E-04	1.95E-04
2322	569917.9	4215591	0.003808	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2323	569908.7	4215589	0.003879	2.20E-03	5.92E-04	3.34E-04	2.67E-04	1.38E-04
2324	569899.6	4215586	0.003954	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2325	569890.5	4215584	0.004032	2.28E-03	6.16E-04	3.47E-04	2.78E-04	1.43E-04
2326	569881.3	4215582	0.004104	2.33E-03	6.27E-04	3.54E-04	2.83E-04	1.46E-04
2327	569872.2	4215579	0.004176	2.37E-03	6.38E-04	3.60E-04	2.88E-04	1.48E-04
2328	569863	4215577	0.004247	2.41E-03	6.48E-04	3.66E-04	2.93E-04	1.51E-04
2329	569853.9	4215575	0.004315	2.44E-03	6.59E-04	3.72E-04	2.97E-04	1.53E-04
2330	569844.8	4215572	0.004382	2.48E-03	6.69E-04	3.78E-04	3.02E-04	1.55E-04
2331	569835.6	4215570	0.004286	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2332	569826.5	4215568	0.004326	2.45E-03	6.61E-04	3.73E-04	2.98E-04	1.53E-04
2333	569817.3	4215565	0.004368	2.47E-03	6.67E-04	3.76E-04	3.01E-04	1.55E-04
2334	569808.2	4215563	0.004408	2.50E-03	6.73E-04	3.80E-04	3.04E-04	1.56E-04
2335	569927	4215593	0.003737	2.12E-03	5.71E-04	3.22E-04	2.57E-04	1.33E-04
2336	569936.3	4215592	0.003778	2.14E-03	5.77E-04	3.26E-04	2.60E-04	1.34E-04

2337	569945.7	4215590	0.003822	2.17E-03	5.84E-04	3.29E-04	2.63E-04	1.36E-04
2338	569955	4215588	0.00387	2.19E-03	5.91E-04	3.33E-04	2.67E-04	1.37E-04
2339	569964.3	4215587	0.003922	2.22E-03	5.99E-04	3.38E-04	2.70E-04	1.39E-04
2340	569973.6	4215585	0.003971	2.25E-03	6.06E-04	3.42E-04	2.74E-04	1.41E-04
2341	569982.9	4215583	0.004026	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2342	569992.2	4215582	0.004086	2.31E-03	6.24E-04	3.52E-04	2.82E-04	1.45E-04
2343	570048.1	4215572	0.004554	2.58E-03	6.95E-04	3.92E-04	3.14E-04	1.62E-04
2344	570057.4	4215570	0.00465	2.63E-03	7.10E-04	4.01E-04	3.20E-04	1.65E-04
2345	570066.8	4215568	0.004768	2.70E-03	7.28E-04	4.11E-04	3.29E-04	1.69E-04
2346	570076.1	4215567	0.004897	2.77E-03	7.48E-04	4.22E-04	3.37E-04	1.74E-04
2347	570085.4	4215565	0.005034	2.85E-03	7.69E-04	4.34E-04	3.47E-04	1.79E-04
2348	569919.7	4215601	0.003546	2.01E-03	5.41E-04	3.06E-04	2.44E-04	1.26E-04
2349	569910.6	4215599	0.003612	2.05E-03	5.52E-04	3.11E-04	2.49E-04	1.28E-04
2350	569901.6	4215596	0.00368	2.08E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2351	569892.5	4215594	0.003751	2.12E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2352	569883.4	4215592	0.00382	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.36E-04
2353	569874.4	4215589	0.003887	2.20E-03	5.94E-04	3.35E-04	2.68E-04	1.38E-04
2354	569865.3	4215587	0.003954	2.24E-03	6.04E-04	3.41E-04	2.72E-04	1.40E-04
2355	569856.2	4215585	0.00402	2.28E-03	6.14E-04	3.46E-04	2.77E-04	1.43E-04
2356	569847.1	4215582	0.004084	2.31E-03	6.24E-04	3.52E-04	2.81E-04	1.45E-04
2357	569838.1	4215580	0.004146	2.35E-03	6.33E-04	3.57E-04	2.86E-04	1.47E-04
2358	569829	4215578	0.004047	2.29E-03	6.18E-04	3.49E-04	2.79E-04	1.44E-04
2359	569819.9	4215575	0.004082	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2360	569810.8	4215573	0.00412	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2361	569801.8	4215571	0.004159	2.36E-03	6.35E-04	3.58E-04	2.87E-04	1.48E-04
2362	569792.7	4215568	0.004194	2.38E-03	6.40E-04	3.61E-04	2.89E-04	1.49E-04
2363	569928.8	4215603	0.00348	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2364	569938.1	4215602	0.003516	1.99E-03	5.37E-04	3.03E-04	2.42E-04	1.25E-04
2365	569947.4	4215600	0.003555	2.01E-03	5.43E-04	3.06E-04	2.45E-04	1.26E-04
2366	569956.7	4215598	0.003597	2.04E-03	5.49E-04	3.10E-04	2.48E-04	1.28E-04
2367	569966.1	4215597	0.003641	2.06E-03	5.56E-04	3.14E-04	2.51E-04	1.29E-04
2368	569975.4	4215595	0.003684	2.09E-03	5.62E-04	3.17E-04	2.54E-04	1.31E-04
2369	570031.3	4215585	0.00404	2.29E-03	6.17E-04	3.48E-04	2.78E-04	1.43E-04
2370	570040.6	4215583	0.004118	2.33E-03	6.29E-04	3.55E-04	2.84E-04	1.46E-04
2371	570049.9	4215582	0.0042	2.38E-03	6.41E-04	3.62E-04	2.89E-04	1.49E-04
2372	570059.2	4215580	0.004294	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2373	570068.5	4215578	0.004401	2.49E-03	6.72E-04	3.79E-04	3.03E-04	1.56E-04
2374	570077.8	4215576	0.004516	2.56E-03	6.90E-04	3.89E-04	3.11E-04	1.60E-04
2375	570087.2	4215575	0.00464	2.63E-03	7.09E-04	4.00E-04	3.20E-04	1.65E-04
2376	569921.6	4215611	0.00331	1.88E-03	5.05E-04	2.85E-04	2.28E-04	1.17E-04
2377	569912.5	4215609	0.003371	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2378	569903.5	4215606	0.003434	1.95E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04
2379	569894.5	4215604	0.003497	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2380	569885.5	4215602	0.003562	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2381	569876.5	4215599	0.003626	2.05E-03	5.54E-04	3.12E-04	2.50E-04	1.29E-04
2382	569867.5	4215597	0.003688	2.09E-03	5.63E-04	3.18E-04	2.54E-04	1.31E-04
2383	569858.5	4215595	0.003751	2.13E-03	5.73E-04	3.23E-04	2.58E-04	1.33E-04
2384	569849.4	4215592	0.003812	2.16E-03	5.82E-04	3.28E-04	2.63E-04	1.35E-04
2385	569840.4	4215590	0.003872	2.19E-03	5.91E-04	3.34E-04	2.67E-04	1.37E-04
2386	569831.4	4215588	0.00393	2.23E-03	6.00E-04	3.39E-04	2.71E-04	1.39E-04
2387	569822.4	4215585	0.003824	2.17E-03	5.84E-04	3.30E-04	2.64E-04	1.36E-04
2388	569813.4	4215583	0.003855	2.18E-03	5.89E-04	3.32E-04	2.66E-04	1.37E-04

2389	569804.4	4215581	0.003895	2.21E-03	5.95E-04	3.36E-04	2.68E-04	1.38E-04
2390	569795.4	4215578	0.003933	2.23E-03	6.01E-04	3.39E-04	2.71E-04	1.39E-04
2391	569786.3	4215576	0.003968	2.25E-03	6.06E-04	3.42E-04	2.73E-04	1.41E-04
2392	569930.6	4215613	0.00325	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2393	569939.9	4215611	0.003282	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2394	569949.2	4215610	0.003316	1.88E-03	5.06E-04	2.86E-04	2.29E-04	1.18E-04
2395	570005.1	4215600	0.003566	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2396	570014.4	4215598	0.003618	2.05E-03	5.52E-04	3.12E-04	2.49E-04	1.28E-04
2397	570023.7	4215596	0.003676	2.08E-03	5.61E-04	3.17E-04	2.53E-04	1.30E-04
2398	570033	4215595	0.003745	2.12E-03	5.72E-04	3.23E-04	2.58E-04	1.33E-04
2399	570042.3	4215593	0.003819	2.16E-03	5.83E-04	3.29E-04	2.63E-04	1.35E-04
2400	570051.7	4215591	0.003898	2.21E-03	5.95E-04	3.36E-04	2.69E-04	1.38E-04
2401	570061	4215590	0.003985	2.26E-03	6.08E-04	3.43E-04	2.75E-04	1.41E-04
2402	570070.3	4215588	0.00408	2.31E-03	6.23E-04	3.52E-04	2.81E-04	1.45E-04
2403	570079.6	4215586	0.004182	2.37E-03	6.39E-04	3.60E-04	2.88E-04	1.48E-04
2404	570088.9	4215585	0.004295	2.43E-03	6.56E-04	3.70E-04	2.96E-04	1.52E-04
2405	569923.4	4215621	0.0031	1.76E-03	4.73E-04	2.67E-04	2.14E-04	1.10E-04
2406	569914.4	4215618	0.003155	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2407	569905.5	4215616	0.003212	1.82E-03	4.90E-04	2.77E-04	2.21E-04	1.14E-04
2408	569896.5	4215614	0.003269	1.85E-03	4.99E-04	2.82E-04	2.25E-04	1.16E-04
2409	569887.5	4215611	0.003327	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2410	569878.6	4215609	0.003386	1.92E-03	5.17E-04	2.92E-04	2.33E-04	1.20E-04
2411	569869.6	4215607	0.003447	1.95E-03	5.26E-04	2.97E-04	2.38E-04	1.22E-04
2412	569860.6	4215605	0.003506	1.99E-03	5.35E-04	3.02E-04	2.42E-04	1.24E-04
2413	569851.7	4215602	0.003564	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2414	569842.7	4215600	0.003621	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2415	569833.8	4215598	0.003677	2.08E-03	5.62E-04	3.17E-04	2.53E-04	1.30E-04
2416	569824.8	4215595	0.003732	2.11E-03	5.70E-04	3.22E-04	2.57E-04	1.32E-04
2417	569815.8	4215593	0.003623	2.05E-03	5.53E-04	3.12E-04	2.50E-04	1.28E-04
2418	569806.9	4215591	0.003656	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2419	569797.9	4215588	0.003692	2.09E-03	5.64E-04	3.18E-04	2.54E-04	1.31E-04
2420	569789	4215586	0.003728	2.11E-03	5.69E-04	3.21E-04	2.57E-04	1.32E-04
2421	569932.3	4215623	0.003047	1.73E-03	4.65E-04	2.63E-04	2.10E-04	1.08E-04
2422	569988.2	4215613	0.003245	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2423	569997.5	4215611	0.003286	1.86E-03	5.02E-04	2.83E-04	2.26E-04	1.17E-04
2424	570006.9	4215610	0.003326	1.88E-03	5.08E-04	2.87E-04	2.29E-04	1.18E-04
2425	570016.2	4215608	0.003371	1.91E-03	5.15E-04	2.90E-04	2.32E-04	1.20E-04
2426	570025.5	4215606	0.003422	1.94E-03	5.23E-04	2.95E-04	2.36E-04	1.21E-04
2427	570034.8	4215605	0.003489	1.98E-03	5.33E-04	3.01E-04	2.40E-04	1.24E-04
2428	570044.1	4215603	0.003561	2.02E-03	5.44E-04	3.07E-04	2.45E-04	1.26E-04
2429	570053.4	4215601	0.003637	2.06E-03	5.55E-04	3.13E-04	2.51E-04	1.29E-04
2430	570062.7	4215600	0.003719	2.11E-03	5.68E-04	3.20E-04	2.56E-04	1.32E-04
2431	570072.1	4215598	0.003808	2.16E-03	5.81E-04	3.28E-04	2.62E-04	1.35E-04
2432	570081.4	4215596	0.003903	2.21E-03	5.96E-04	3.36E-04	2.69E-04	1.38E-04
2433	570090.7	4215595	0.004008	2.27E-03	6.12E-04	3.45E-04	2.76E-04	1.42E-04
2434	569925.2	4215631	0.002914	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2435	569916.3	4215628	0.002963	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2436	569907.4	4215626	0.003014	1.71E-03	4.60E-04	2.60E-04	2.08E-04	1.07E-04
2437	569898.5	4215624	0.003066	1.74E-03	4.68E-04	2.64E-04	2.11E-04	1.09E-04
2438	569889.5	4215621	0.003118	1.77E-03	4.76E-04	2.69E-04	2.15E-04	1.11E-04
2439	569880.6	4215619	0.00317	1.80E-03	4.84E-04	2.73E-04	2.18E-04	1.12E-04
2440	569871.7	4215617	0.003224	1.83E-03	4.92E-04	2.78E-04	2.22E-04	1.14E-04

2441	569862.8	4215615	0.003282	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2442	569853.9	4215612	0.003337	1.89E-03	5.10E-04	2.88E-04	2.30E-04	1.18E-04
2443	569845	4215610	0.003392	1.92E-03	5.18E-04	2.92E-04	2.34E-04	1.20E-04
2444	569836.1	4215608	0.003445	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2445	569827.1	4215605	0.003497	1.98E-03	5.34E-04	3.01E-04	2.41E-04	1.24E-04
2446	569818.2	4215603	0.003414	1.93E-03	5.21E-04	2.94E-04	2.35E-04	1.21E-04
2447	569809.3	4215601	0.003443	1.95E-03	5.26E-04	2.97E-04	2.37E-04	1.22E-04
2448	569800.4	4215598	0.003476	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2449	569791.5	4215596	0.00351	1.99E-03	5.36E-04	3.02E-04	2.42E-04	1.24E-04
2450	569971.4	4215626	0.002971	1.68E-03	4.54E-04	2.56E-04	2.05E-04	1.05E-04
2451	569980.7	4215624	0.003004	1.70E-03	4.59E-04	2.59E-04	2.07E-04	1.07E-04
2452	569990	4215623	0.003041	1.72E-03	4.64E-04	2.62E-04	2.10E-04	1.08E-04
2453	569999.3	4215621	0.003077	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2454	570008.6	4215619	0.003114	1.76E-03	4.76E-04	2.68E-04	2.15E-04	1.10E-04
2455	570017.9	4215618	0.003153	1.79E-03	4.81E-04	2.72E-04	2.17E-04	1.12E-04
2456	570027.3	4215616	0.0032	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2457	570036.6	4215614	0.003264	1.85E-03	4.98E-04	2.81E-04	2.25E-04	1.16E-04
2458	570045.9	4215613	0.003334	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2459	570055.2	4215611	0.003407	1.93E-03	5.20E-04	2.94E-04	2.35E-04	1.21E-04
2460	570064.5	4215609	0.003483	1.97E-03	5.32E-04	3.00E-04	2.40E-04	1.24E-04
2461	570073.8	4215608	0.003565	2.02E-03	5.44E-04	3.07E-04	2.46E-04	1.26E-04
2462	570083.2	4215606	0.003654	2.07E-03	5.58E-04	3.15E-04	2.52E-04	1.30E-04
2463	570092.5	4215604	0.003755	2.13E-03	5.73E-04	3.24E-04	2.59E-04	1.33E-04
2464	569909.3	4215636	0.002835	1.61E-03	4.33E-04	2.44E-04	1.95E-04	1.01E-04
2465	569900.4	4215634	0.002883	1.63E-03	4.40E-04	2.48E-04	1.99E-04	1.02E-04
2466	569891.5	4215631	0.00293	1.66E-03	4.47E-04	2.53E-04	2.02E-04	1.04E-04
2467	569882.6	4215629	0.002979	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2468	569873.8	4215627	0.003028	1.72E-03	4.62E-04	2.61E-04	2.09E-04	1.07E-04
2469	569864.9	4215624	0.00308	1.74E-03	4.70E-04	2.65E-04	2.12E-04	1.09E-04
2470	569856	4215622	0.00313	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2471	569847.2	4215620	0.003182	1.80E-03	4.86E-04	2.74E-04	2.19E-04	1.13E-04
2472	569838.3	4215618	0.003232	1.83E-03	4.93E-04	2.78E-04	2.23E-04	1.15E-04
2473	569829.4	4215615	0.003282	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2474	569820.5	4215613	0.003331	1.89E-03	5.09E-04	2.87E-04	2.30E-04	1.18E-04
2475	569811.7	4215611	0.00325	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2476	569802.8	4215608	0.003279	1.86E-03	5.01E-04	2.83E-04	2.26E-04	1.16E-04
2477	569945.2	4215641	0.002721	1.54E-03	4.16E-04	2.34E-04	1.88E-04	9.65E-05
2478	569954.5	4215639	0.002742	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.73E-05
2479	569963.8	4215638	0.002766	1.57E-03	4.22E-04	2.38E-04	1.91E-04	9.81E-05
2480	569973.1	4215636	0.002793	1.58E-03	4.26E-04	2.41E-04	1.92E-04	9.91E-05
2481	569982.5	4215634	0.002823	1.60E-03	4.31E-04	2.43E-04	1.95E-04	1.00E-04
2482	569991.8	4215633	0.002856	1.62E-03	4.36E-04	2.46E-04	1.97E-04	1.01E-04
2483	570001.1	4215631	0.002891	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.03E-04
2484	570010.4	4215629	0.002929	1.66E-03	4.47E-04	2.52E-04	2.02E-04	1.04E-04
2485	570019.7	4215628	0.002969	1.68E-03	4.53E-04	2.56E-04	2.05E-04	1.05E-04
2486	570029	4215626	0.003016	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2487	570038.3	4215624	0.003072	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2488	570047.7	4215623	0.003135	1.78E-03	4.79E-04	2.70E-04	2.16E-04	1.11E-04
2489	570057	4215621	0.003202	1.81E-03	4.89E-04	2.76E-04	2.21E-04	1.14E-04
2490	570066.3	4215619	0.003272	1.85E-03	5.00E-04	2.82E-04	2.25E-04	1.16E-04
2491	570075.6	4215618	0.003348	1.90E-03	5.11E-04	2.89E-04	2.31E-04	1.19E-04
2492	570084.9	4215616	0.003432	1.94E-03	5.24E-04	2.96E-04	2.37E-04	1.22E-04

2493	570094.2	4215614	0.003528	2.00E-03	5.39E-04	3.04E-04	2.43E-04	1.25E-04
2494	569902.3	4215643	0.002716	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2495	569893.5	4215641	0.002759	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2496	569884.6	4215639	0.002804	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.94E-05
2497	569875.8	4215637	0.002849	1.61E-03	4.35E-04	2.45E-04	1.96E-04	1.01E-04
2498	569867	4215634	0.002895	1.64E-03	4.42E-04	2.49E-04	2.00E-04	1.03E-04
2499	569858.1	4215632	0.002942	1.67E-03	4.49E-04	2.54E-04	2.03E-04	1.04E-04
2500	569849.3	4215630	0.00299	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2501	569840.5	4215628	0.003037	1.72E-03	4.64E-04	2.62E-04	2.09E-04	1.08E-04
2502	569831.6	4215625	0.003084	1.75E-03	4.71E-04	2.66E-04	2.13E-04	1.09E-04
2503	569822.8	4215623	0.003131	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2504	569814	4215621	0.003176	1.80E-03	4.85E-04	2.74E-04	2.19E-04	1.13E-04
2505	569937.6	4215653	0.002552	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.05E-05
2506	569947	4215651	0.002569	1.46E-03	3.92E-04	2.21E-04	1.77E-04	9.11E-05
2507	569956.3	4215649	0.002587	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.18E-05
2508	569965.6	4215647	0.002608	1.48E-03	3.98E-04	2.25E-04	1.80E-04	9.25E-05
2509	569974.9	4215646	0.002632	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.34E-05
2510	569984.2	4215644	0.00266	1.51E-03	4.06E-04	2.29E-04	1.83E-04	9.43E-05
2511	569993.5	4215642	0.00269	1.52E-03	4.11E-04	2.32E-04	1.85E-04	9.54E-05
2512	570002.9	4215641	0.002726	1.54E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2513	570012.2	4215639	0.002764	1.57E-03	4.22E-04	2.38E-04	1.90E-04	9.80E-05
2514	570021.5	4215637	0.002805	1.59E-03	4.28E-04	2.42E-04	1.93E-04	9.95E-05
2515	570030.8	4215636	0.00285	1.61E-03	4.35E-04	2.46E-04	1.96E-04	1.01E-04
2516	570040.1	4215634	0.002901	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2517	570049.4	4215632	0.002957	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2518	570058.7	4215631	0.003018	1.71E-03	4.61E-04	2.60E-04	2.08E-04	1.07E-04
2519	570068.1	4215629	0.003083	1.75E-03	4.71E-04	2.66E-04	2.12E-04	1.09E-04
2520	570077.4	4215627	0.003154	1.79E-03	4.82E-04	2.72E-04	2.17E-04	1.12E-04
2521	570086.7	4215626	0.003233	1.83E-03	4.94E-04	2.79E-04	2.23E-04	1.15E-04
2522	570096	4215624	0.003321	1.88E-03	5.07E-04	2.86E-04	2.29E-04	1.18E-04
2523	569930.6	4215660	0.00245	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2524	569921.8	4215658	0.002486	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2525	569895.4	4215651	0.002603	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.23E-05
2526	569886.6	4215649	0.002643	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.38E-05
2527	569877.8	4215647	0.002685	1.52E-03	4.10E-04	2.31E-04	1.85E-04	9.52E-05
2528	569869	4215644	0.002727	1.55E-03	4.16E-04	2.35E-04	1.88E-04	9.67E-05
2529	569860.2	4215642	0.002771	1.57E-03	4.23E-04	2.39E-04	1.91E-04	9.83E-05
2530	569851.4	4215640	0.002815	1.59E-03	4.30E-04	2.43E-04	1.94E-04	9.98E-05
2531	569842.6	4215637	0.002859	1.62E-03	4.37E-04	2.46E-04	1.97E-04	1.01E-04
2532	569833.8	4215635	0.002903	1.64E-03	4.43E-04	2.50E-04	2.00E-04	1.03E-04
2533	569816.2	4215631	0.00299	1.69E-03	4.57E-04	2.58E-04	2.06E-04	1.06E-04
2534	569939.4	4215662	0.002414	1.37E-03	3.69E-04	2.08E-04	1.66E-04	8.56E-05
2535	569948.7	4215661	0.00243	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2536	569958	4215659	0.002448	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.68E-05
2537	569967.4	4215657	0.002467	1.40E-03	3.77E-04	2.13E-04	1.70E-04	8.75E-05
2538	569976.7	4215656	0.00249	1.41E-03	3.80E-04	2.15E-04	1.72E-04	8.83E-05
2539	569986	4215654	0.002515	1.42E-03	3.84E-04	2.17E-04	1.73E-04	8.92E-05
2540	569995.3	4215652	0.002543	1.44E-03	3.88E-04	2.19E-04	1.75E-04	9.02E-05
2541	570004.6	4215651	0.002577	1.46E-03	3.93E-04	2.22E-04	1.78E-04	9.14E-05
2542	570013.9	4215649	0.002614	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.27E-05
2543	570023.3	4215647	0.002656	1.50E-03	4.06E-04	2.29E-04	1.83E-04	9.42E-05
2544	570032.6	4215646	0.002699	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05

2545	570041.9	4215644	0.002745	1.55E-03	4.19E-04	2.36E-04	1.89E-04	9.74E-05
2546	570051.2	4215642	0.002796	1.58E-03	4.27E-04	2.41E-04	1.93E-04	9.92E-05
2547	570060.5	4215641	0.002852	1.62E-03	4.35E-04	2.46E-04	1.97E-04	1.01E-04
2548	570069.8	4215639	0.002912	1.65E-03	4.45E-04	2.51E-04	2.01E-04	1.03E-04
2549	570079.1	4215637	0.002978	1.69E-03	4.55E-04	2.57E-04	2.05E-04	1.06E-04
2550	570088.5	4215636	0.003051	1.73E-03	4.66E-04	2.63E-04	2.10E-04	1.08E-04
2551	570097.8	4215634	0.003132	1.77E-03	4.78E-04	2.70E-04	2.16E-04	1.11E-04
2552	569932	4215670	0.002323	1.32E-03	3.55E-04	2.00E-04	1.60E-04	8.24E-05
2553	569922.9	4215667	0.002358	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2554	569913.7	4215665	0.002393	1.36E-03	3.65E-04	2.06E-04	1.65E-04	8.49E-05
2555	569877	4215656	0.002549	1.44E-03	3.89E-04	2.20E-04	1.76E-04	9.04E-05
2556	569867.9	4215653	0.00259	1.47E-03	3.95E-04	2.23E-04	1.78E-04	9.19E-05
2557	569858.7	4215651	0.002631	1.49E-03	4.02E-04	2.27E-04	1.81E-04	9.33E-05
2558	569849.5	4215649	0.002673	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.48E-05
2559	569840.4	4215646	0.002716	1.54E-03	4.15E-04	2.34E-04	1.87E-04	9.63E-05
2560	569831.2	4215644	0.002759	1.56E-03	4.21E-04	2.38E-04	1.90E-04	9.79E-05
2561	569941.2	4215672	0.002289	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.12E-05
2562	569950.5	4215671	0.002304	1.31E-03	3.52E-04	1.99E-04	1.59E-04	8.17E-05
2563	569959.8	4215669	0.00232	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.23E-05
2564	569969.1	4215667	0.002339	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2565	569978.4	4215665	0.00236	1.34E-03	3.60E-04	2.03E-04	1.63E-04	8.37E-05
2566	569987.8	4215664	0.002384	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2567	569997.1	4215662	0.00241	1.37E-03	3.68E-04	2.08E-04	1.66E-04	8.55E-05
2568	570006.4	4215660	0.00244	1.38E-03	3.73E-04	2.10E-04	1.68E-04	8.66E-05
2569	570015.7	4215659	0.002474	1.40E-03	3.78E-04	2.13E-04	1.71E-04	8.78E-05
2570	570025	4215657	0.002512	1.42E-03	3.84E-04	2.16E-04	1.73E-04	8.91E-05
2571	570034.3	4215655	0.002553	1.45E-03	3.90E-04	2.20E-04	1.76E-04	9.06E-05
2572	570043.7	4215654	0.002598	1.47E-03	3.97E-04	2.24E-04	1.79E-04	9.21E-05
2573	570053	4215652	0.002646	1.50E-03	4.04E-04	2.28E-04	1.82E-04	9.39E-05
2574	570062.3	4215650	0.002699	1.53E-03	4.12E-04	2.33E-04	1.86E-04	9.57E-05
2575	570071.6	4215649	0.002756	1.56E-03	4.21E-04	2.37E-04	1.90E-04	9.78E-05
2576	570080.9	4215647	0.002819	1.60E-03	4.30E-04	2.43E-04	1.94E-04	1.00E-04
2577	570090.2	4215645	0.002886	1.64E-03	4.41E-04	2.49E-04	1.99E-04	1.02E-04
2578	570099.5	4215644	0.002959	1.68E-03	4.52E-04	2.55E-04	2.04E-04	1.05E-04
2579	569933.8	4215680	0.002206	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2580	569924.7	4215677	0.002237	1.27E-03	3.42E-04	1.93E-04	1.54E-04	7.93E-05
2581	569915.6	4215675	0.002269	1.29E-03	3.46E-04	1.95E-04	1.56E-04	8.05E-05
2582	569906.5	4215673	0.002302	1.30E-03	3.52E-04	1.98E-04	1.59E-04	8.17E-05
2583	569870	4215663	0.002449	1.39E-03	3.74E-04	2.11E-04	1.69E-04	8.69E-05
2584	569860.9	4215661	0.002487	1.41E-03	3.80E-04	2.14E-04	1.71E-04	8.82E-05
2585	569851.8	4215659	0.002526	1.43E-03	3.86E-04	2.18E-04	1.74E-04	8.96E-05
2586	569842.7	4215656	0.002565	1.45E-03	3.92E-04	2.21E-04	1.77E-04	9.10E-05
2587	569833.6	4215654	0.002605	1.48E-03	3.98E-04	2.24E-04	1.79E-04	9.24E-05
2588	569943	4215682	0.002175	1.23E-03	3.32E-04	1.87E-04	1.50E-04	7.72E-05
2589	569952.3	4215680	0.00219	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05
2590	569961.6	4215679	0.002205	1.25E-03	3.37E-04	1.90E-04	1.52E-04	7.82E-05
2591	569970.9	4215677	0.002222	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.88E-05
2592	569980.2	4215675	0.002242	1.27E-03	3.42E-04	1.93E-04	1.55E-04	7.95E-05
2593	569989.5	4215674	0.002264	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.03E-05
2594	569998.8	4215672	0.002289	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.12E-05
2595	570008.2	4215670	0.002316	1.31E-03	3.54E-04	2.00E-04	1.60E-04	8.21E-05
2596	570017.5	4215669	0.002347	1.33E-03	3.58E-04	2.02E-04	1.62E-04	8.32E-05

2597	570026.8	4215667	0.002381	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.45E-05
2598	570036.1	4215665	0.00242	1.37E-03	3.70E-04	2.09E-04	1.67E-04	8.58E-05
2599	570045.4	4215664	0.002463	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2600	570054.7	4215662	0.002509	1.42E-03	3.83E-04	2.16E-04	1.73E-04	8.90E-05
2601	570064.1	4215660	0.002558	1.45E-03	3.91E-04	2.20E-04	1.76E-04	9.07E-05
2602	570073.4	4215659	0.002611	1.48E-03	3.99E-04	2.25E-04	1.80E-04	9.26E-05
2603	570082.7	4215657	0.002669	1.51E-03	4.08E-04	2.30E-04	1.84E-04	9.47E-05
2604	570092	4215655	0.002732	1.55E-03	4.17E-04	2.35E-04	1.88E-04	9.69E-05
2605	570101.3	4215654	0.0028	1.59E-03	4.28E-04	2.41E-04	1.93E-04	9.93E-05
2606	569935.7	4215690	0.002098	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2607	569926.6	4215687	0.002126	1.20E-03	3.25E-04	1.83E-04	1.47E-04	7.54E-05
2608	569917.5	4215685	0.002155	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2609	569908.4	4215683	0.002185	1.24E-03	3.34E-04	1.88E-04	1.51E-04	7.75E-05
2610	569899.4	4215680	0.002217	1.26E-03	3.39E-04	1.91E-04	1.53E-04	7.86E-05
2611	569863.1	4215671	0.002355	1.33E-03	3.60E-04	2.03E-04	1.62E-04	8.35E-05
2612	569854	4215669	0.00239	1.35E-03	3.65E-04	2.06E-04	1.65E-04	8.48E-05
2613	569844.9	4215666	0.002426	1.37E-03	3.71E-04	2.09E-04	1.67E-04	8.61E-05
2614	569944.7	4215692	0.002071	1.17E-03	3.16E-04	1.78E-04	1.43E-04	7.35E-05
2615	569954	4215690	0.002086	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.40E-05
2616	569963.4	4215689	0.002101	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2617	569972.7	4215687	0.002118	1.20E-03	3.23E-04	1.82E-04	1.46E-04	7.51E-05
2618	569982	4215685	0.002136	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2619	569991.3	4215684	0.002157	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2620	570000.6	4215682	0.002179	1.23E-03	3.33E-04	1.88E-04	1.50E-04	7.73E-05
2621	570009.9	4215680	0.002203	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.81E-05
2622	570019.2	4215678	0.00223	1.26E-03	3.41E-04	1.92E-04	1.54E-04	7.91E-05
2623	570028.6	4215677	0.002263	1.28E-03	3.45E-04	1.95E-04	1.56E-04	8.03E-05
2624	570037.9	4215675	0.0023	1.30E-03	3.51E-04	1.98E-04	1.58E-04	8.16E-05
2625	570047.2	4215673	0.002341	1.33E-03	3.57E-04	2.02E-04	1.61E-04	8.30E-05
2626	570056.5	4215672	0.002384	1.35E-03	3.64E-04	2.05E-04	1.64E-04	8.46E-05
2627	570065.8	4215670	0.002429	1.38E-03	3.71E-04	2.09E-04	1.67E-04	8.62E-05
2628	570075.1	4215668	0.002479	1.40E-03	3.79E-04	2.14E-04	1.71E-04	8.79E-05
2629	570084.5	4215667	0.002533	1.44E-03	3.87E-04	2.18E-04	1.75E-04	8.98E-05
2630	570093.8	4215665	0.002592	1.47E-03	3.96E-04	2.23E-04	1.79E-04	9.19E-05
2631	570103.1	4215663	0.002655	1.50E-03	4.05E-04	2.29E-04	1.83E-04	9.42E-05
2632	569937.5	4215699	0.002	1.13E-03	3.05E-04	1.72E-04	1.38E-04	7.09E-05
2633	569928.4	4215697	0.002025	1.15E-03	3.09E-04	1.74E-04	1.40E-04	7.18E-05
2634	569919.4	4215695	0.002051	1.16E-03	3.13E-04	1.77E-04	1.41E-04	7.28E-05
2635	569910.4	4215692	0.002078	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2636	569901.3	4215690	0.002107	1.19E-03	3.22E-04	1.82E-04	1.45E-04	7.47E-05
2637	569892.3	4215688	0.002138	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2638	569946.5	4215702	0.001976	1.12E-03	3.02E-04	1.70E-04	1.36E-04	7.01E-05
2639	569955.8	4215700	0.00199	1.13E-03	3.04E-04	1.71E-04	1.37E-04	7.06E-05
2640	569965.1	4215698	0.002005	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2641	569974.4	4215697	0.002021	1.15E-03	3.09E-04	1.74E-04	1.39E-04	7.17E-05
2642	569983.8	4215695	0.002039	1.16E-03	3.11E-04	1.76E-04	1.41E-04	7.23E-05
2643	569993.1	4215693	0.002059	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2644	570002.4	4215692	0.002079	1.18E-03	3.17E-04	1.79E-04	1.43E-04	7.37E-05
2645	570011.7	4215690	0.002101	1.19E-03	3.21E-04	1.81E-04	1.45E-04	7.45E-05
2646	570021	4215688	0.002126	1.20E-03	3.25E-04	1.83E-04	1.46E-04	7.54E-05
2647	570030.3	4215687	0.002156	1.22E-03	3.29E-04	1.86E-04	1.49E-04	7.65E-05
2648	570039.6	4215685	0.002189	1.24E-03	3.34E-04	1.89E-04	1.51E-04	7.77E-05

2649	570049	4215683	0.002227	1.26E-03	3.40E-04	1.92E-04	1.53E-04	7.90E-05
2650	570058.3	4215682	0.002268	1.28E-03	3.46E-04	1.95E-04	1.56E-04	8.04E-05
2651	570067.6	4215680	0.002311	1.31E-03	3.53E-04	1.99E-04	1.59E-04	8.20E-05
2652	570076.9	4215678	0.002358	1.34E-03	3.60E-04	2.03E-04	1.62E-04	8.36E-05
2653	570086.2	4215677	0.002408	1.36E-03	3.68E-04	2.08E-04	1.66E-04	8.54E-05
2654	570095.5	4215675	0.002463	1.40E-03	3.76E-04	2.12E-04	1.70E-04	8.74E-05
2655	570104.9	4215673	0.002522	1.43E-03	3.85E-04	2.17E-04	1.74E-04	8.95E-05
2656	569939.3	4215709	0.00191	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.77E-05
2657	569930.3	4215707	0.001932	1.09E-03	2.95E-04	1.66E-04	1.33E-04	6.85E-05
2658	569921.3	4215705	0.001955	1.11E-03	2.99E-04	1.68E-04	1.35E-04	6.94E-05
2659	569912.3	4215702	0.00198	1.12E-03	3.02E-04	1.71E-04	1.36E-04	7.02E-05
2660	569903.3	4215700	0.002006	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.11E-05
2661	569894.3	4215698	0.002034	1.15E-03	3.11E-04	1.75E-04	1.40E-04	7.21E-05
2662	569885.3	4215695	0.002063	1.17E-03	3.15E-04	1.78E-04	1.42E-04	7.32E-05
2663	569876.3	4215693	0.002003	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2664	569948.3	4215712	0.001888	1.07E-03	2.88E-04	1.63E-04	1.30E-04	6.70E-05
2665	569957.6	4215710	0.001902	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.75E-05
2666	569966.9	4215708	0.001916	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.80E-05
2667	569976.2	4215707	0.001932	1.09E-03	2.95E-04	1.67E-04	1.33E-04	6.85E-05
2668	569985.5	4215705	0.00195	1.10E-03	2.98E-04	1.68E-04	1.34E-04	6.91E-05
2669	569994.8	4215703	0.001968	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2670	570004.2	4215702	0.001986	1.13E-03	3.03E-04	1.71E-04	1.37E-04	7.05E-05
2671	570013.5	4215700	0.002007	1.14E-03	3.06E-04	1.73E-04	1.38E-04	7.12E-05
2672	570022.8	4215698	0.002029	1.15E-03	3.10E-04	1.75E-04	1.40E-04	7.20E-05
2673	570032.1	4215696	0.002057	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.30E-05
2674	570041.4	4215695	0.002088	1.18E-03	3.19E-04	1.80E-04	1.44E-04	7.41E-05
2675	570050.7	4215693	0.002122	1.20E-03	3.24E-04	1.83E-04	1.46E-04	7.53E-05
2676	570060	4215691	0.002159	1.22E-03	3.30E-04	1.86E-04	1.49E-04	7.66E-05
2677	570069.4	4215690	0.002199	1.25E-03	3.36E-04	1.90E-04	1.52E-04	7.80E-05
2678	570078.7	4215688	0.002243	1.27E-03	3.43E-04	1.93E-04	1.55E-04	7.96E-05
2679	570088	4215686	0.002291	1.30E-03	3.50E-04	1.97E-04	1.58E-04	8.13E-05
2680	570097.3	4215685	0.002343	1.33E-03	3.58E-04	2.02E-04	1.61E-04	8.31E-05
2681	569941.1	4215719	0.001827	1.03E-03	2.79E-04	1.57E-04	1.26E-04	6.48E-05
2682	569932.1	4215717	0.001847	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.55E-05
2683	569923.2	4215715	0.001869	1.06E-03	2.85E-04	1.61E-04	1.29E-04	6.63E-05
2684	569914.2	4215712	0.001891	1.07E-03	2.89E-04	1.63E-04	1.30E-04	6.71E-05
2685	569905.2	4215710	0.001914	1.08E-03	2.92E-04	1.65E-04	1.32E-04	6.79E-05
2686	569896.3	4215708	0.001938	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2687	569887.3	4215705	0.001965	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2688	569878.3	4215703	0.001992	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.06E-05
2689	569869.4	4215701	0.001923	1.09E-03	2.94E-04	1.66E-04	1.33E-04	6.82E-05
2690	569950	4215721	0.001807	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2691	569959.4	4215720	0.001819	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2692	569968.7	4215718	0.001833	1.04E-03	2.80E-04	1.58E-04	1.26E-04	6.50E-05
2693	569978	4215716	0.001848	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2694	569987.3	4215715	0.001865	1.06E-03	2.85E-04	1.61E-04	1.28E-04	6.61E-05
2695	569996.6	4215713	0.001882	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.68E-05
2696	570005.9	4215711	0.0019	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2697	570015.2	4215710	0.001919	1.09E-03	2.93E-04	1.65E-04	1.32E-04	6.81E-05
2698	570024.6	4215708	0.00194	1.10E-03	2.96E-04	1.67E-04	1.34E-04	6.88E-05
2699	570033.9	4215706	0.001965	1.11E-03	3.00E-04	1.69E-04	1.35E-04	6.97E-05
2700	570043.2	4215705	0.001994	1.13E-03	3.04E-04	1.72E-04	1.37E-04	7.07E-05

2701	570052.5	4215703	0.002025	1.15E-03	3.09E-04	1.75E-04	1.40E-04	7.18E-05
2702	570061.8	4215701	0.00206	1.17E-03	3.14E-04	1.77E-04	1.42E-04	7.31E-05
2703	570071.1	4215700	0.002097	1.19E-03	3.20E-04	1.81E-04	1.45E-04	7.44E-05
2704	570080.5	4215698	0.002138	1.21E-03	3.26E-04	1.84E-04	1.47E-04	7.58E-05
2705	570089.8	4215696	0.002184	1.24E-03	3.33E-04	1.88E-04	1.50E-04	7.75E-05
2706	570099.1	4215695	0.002233	1.27E-03	3.41E-04	1.92E-04	1.54E-04	7.92E-05
2707	570108.4	4215693	0.002287	1.30E-03	3.49E-04	1.97E-04	1.58E-04	8.11E-05
2708	569942.9	4215729	0.00175	9.91E-04	2.67E-04	1.51E-04	1.21E-04	6.21E-05
2709	569933.9	4215727	0.001769	1.00E-03	2.70E-04	1.52E-04	1.22E-04	6.27E-05
2710	569925	4215724	0.001788	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2711	569916.1	4215722	0.001808	1.02E-03	2.76E-04	1.56E-04	1.25E-04	6.41E-05
2712	569907.2	4215720	0.001829	1.04E-03	2.79E-04	1.58E-04	1.26E-04	6.49E-05
2713	569898.2	4215717	0.001852	1.05E-03	2.83E-04	1.60E-04	1.28E-04	6.57E-05
2714	569889.3	4215715	0.001875	1.06E-03	2.86E-04	1.62E-04	1.29E-04	6.65E-05
2715	569880.4	4215713	0.001899	1.08E-03	2.90E-04	1.64E-04	1.31E-04	6.74E-05
2716	569871.4	4215711	0.001837	1.04E-03	2.81E-04	1.58E-04	1.27E-04	6.52E-05
2717	569862.5	4215708	0.00185	1.05E-03	2.82E-04	1.59E-04	1.27E-04	6.56E-05
2718	569591.2	4215444	0.00325	1.84E-03	4.96E-04	2.80E-04	2.24E-04	1.15E-04
2719	569951.8	4215731	0.001731	9.81E-04	2.64E-04	1.49E-04	1.19E-04	6.14E-05
2720	569961.1	4215730	0.001743	9.87E-04	2.66E-04	1.50E-04	1.20E-04	6.18E-05
2721	569970.4	4215728	0.001756	9.95E-04	2.68E-04	1.51E-04	1.21E-04	6.23E-05
2722	569979.8	4215726	0.00177	1.00E-03	2.70E-04	1.53E-04	1.22E-04	6.28E-05
2723	569989.1	4215725	0.001786	1.01E-03	2.73E-04	1.54E-04	1.23E-04	6.34E-05
2724	569998.4	4215723	0.001802	1.02E-03	2.75E-04	1.55E-04	1.24E-04	6.39E-05
2725	570007.7	4215721	0.001819	1.03E-03	2.78E-04	1.57E-04	1.25E-04	6.45E-05
2726	570017	4215720	0.001837	1.04E-03	2.80E-04	1.58E-04	1.27E-04	6.52E-05
2727	570026.3	4215718	0.001857	1.05E-03	2.84E-04	1.60E-04	1.28E-04	6.59E-05
2728	570035.6	4215716	0.001881	1.07E-03	2.87E-04	1.62E-04	1.30E-04	6.67E-05
2729	570045	4215714	0.001907	1.08E-03	2.91E-04	1.64E-04	1.31E-04	6.76E-05
2730	570054.3	4215713	0.001935	1.10E-03	2.96E-04	1.67E-04	1.33E-04	6.87E-05
2731	570063.6	4215711	0.001968	1.11E-03	3.00E-04	1.70E-04	1.36E-04	6.98E-05
2732	570072.9	4215709	0.002003	1.13E-03	3.06E-04	1.73E-04	1.38E-04	7.10E-05
2733	570082.2	4215708	0.002041	1.16E-03	3.12E-04	1.76E-04	1.41E-04	7.24E-05
2734	570091.5	4215706	0.002085	1.18E-03	3.18E-04	1.80E-04	1.44E-04	7.39E-05
2735	570134.3	4215513	0.00931	5.27E-03	1.42E-03	8.02E-04	6.42E-04	3.30E-04
2736	570122.9	4215521	0.008145	4.61E-03	1.24E-03	7.02E-04	5.61E-04	2.89E-04
2737	570111.5	4215529	0.007247	4.11E-03	1.11E-03	6.24E-04	4.99E-04	2.57E-04
2738	570121.1	4215531	0.007297	4.13E-03	1.11E-03	6.29E-04	5.03E-04	2.59E-04
2739	570100.1	4215538	0.006569	3.72E-03	1.00E-03	5.66E-04	4.53E-04	2.33E-04
2740	570109.8	4215539	0.006563	3.72E-03	1.00E-03	5.66E-04	4.52E-04	2.33E-04
2741	570119.4	4215541	0.006602	3.74E-03	1.01E-03	5.69E-04	4.55E-04	2.34E-04
2742	570129	4215543	0.006682	3.79E-03	1.02E-03	5.76E-04	4.60E-04	2.37E-04
2743	570098.4	4215547	0.005979	3.39E-03	9.13E-04	5.15E-04	4.12E-04	2.12E-04
2744	570108	4215549	0.005974	3.38E-03	9.12E-04	5.15E-04	4.12E-04	2.12E-04
2745	570117.7	4215551	0.006004	3.40E-03	9.17E-04	5.17E-04	4.14E-04	2.13E-04
2746	570096.7	4215557	0.005463	3.10E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2747	570106.3	4215559	0.005461	3.09E-03	8.34E-04	4.71E-04	3.76E-04	1.94E-04
2748	570115.9	4215561	0.005483	3.11E-03	8.37E-04	4.72E-04	3.78E-04	1.94E-04
2749	570094.9	4215567	0.005004	2.83E-03	7.64E-04	4.31E-04	3.45E-04	1.77E-04
2750	570104.6	4215569	0.005008	2.84E-03	7.65E-04	4.31E-04	3.45E-04	1.78E-04
2751	570114.2	4215571	0.005028	2.85E-03	7.68E-04	4.33E-04	3.46E-04	1.78E-04
2752	570123.8	4215572	0.005081	2.88E-03	7.76E-04	4.38E-04	3.50E-04	1.80E-04

2753	570102.8	4215579	0.004608	2.61E-03	7.04E-04	3.97E-04	3.18E-04	1.63E-04
2754	570112.5	4215580	0.004629	2.62E-03	7.07E-04	3.99E-04	3.19E-04	1.64E-04
2755	570122.1	4215582	0.004675	2.65E-03	7.14E-04	4.03E-04	3.22E-04	1.66E-04
2756	570101.1	4215589	0.004258	2.41E-03	6.50E-04	3.67E-04	2.93E-04	1.51E-04
2757	570110.7	4215590	0.004285	2.43E-03	6.54E-04	3.69E-04	2.95E-04	1.52E-04
2758	570099.3	4215598	0.003961	2.24E-03	6.05E-04	3.41E-04	2.73E-04	1.40E-04
2759	570109	4215600	0.003989	2.26E-03	6.09E-04	3.44E-04	2.75E-04	1.41E-04
2760	570118.6	4215602	0.004027	2.28E-03	6.15E-04	3.47E-04	2.77E-04	1.43E-04
2761	570107.2	4215610	0.003722	2.11E-03	5.68E-04	3.21E-04	2.57E-04	1.32E-04
2762	570105.5	4215620	0.003478	1.97E-03	5.31E-04	3.00E-04	2.40E-04	1.23E-04
2763	570113.4	4215631	0.003278	1.86E-03	5.01E-04	2.82E-04	2.26E-04	1.16E-04
2764	570111.7	4215641	0.003071	1.74E-03	4.69E-04	2.65E-04	2.12E-04	1.09E-04
2765	570088.1	4215718	0.001957	1.11E-03	2.99E-04	1.69E-04	1.35E-04	6.94E-05
2766	570097.7	4215720	0.001968	1.12E-03	3.01E-04	1.70E-04	1.36E-04	6.98E-05

	Max Yr	**1**	T2	T2L3	T4f
	Row	**18**	1.41E-01	2.15E-02	9.68E-03
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**15%**	**7%**
			Year 1	Year 1	Year 1
1	570176.2	4215489	7.74E-02	1.18E-02	5.34E-03
2	570192.2	4215484	8.75E-02	1.34E-02	6.03E-03
3	570208.7	4215477	1.02E-01	1.56E-02	7.03E-03
4	570225.2	4215470	1.17E-01	1.79E-02	8.09E-03
5	570241.7	4215462	1.30E-01	1.98E-02	8.96E-03
6	570258.2	4215455	1.38E-01	2.11E-02	9.50E-03
7	570179.3	4215498	6.84E-02	1.04E-02	4.71E-03
8	570162	4215500	6.17E-02	9.43E-03	4.25E-03
9	570196.2	4215493	7.78E-02	1.19E-02	5.36E-03
10	570212.7	4215486	9.12E-02	1.39E-02	6.28E-03
11	570229.2	4215479	1.05E-01	1.61E-02	7.25E-03
12	570237.5	4215475	1.11E-01	1.70E-02	7.68E-03
13	570254	4215468	1.22E-01	1.86E-02	8.39E-03
14	570183.7	4215507	6.18E-02	9.44E-03	4.26E-03
15	570167.2	4215509	5.59E-02	8.54E-03	3.85E-03
16	570150.7	4215511	5.09E-02	7.77E-03	3.51E-03
17	570200.2	4215503	7.02E-02	1.07E-02	4.84E-03
18	570216.7	4215495	8.22E-02	1.26E-02	5.67E-03
19	570225	4215492	8.88E-02	1.36E-02	6.12E-03
20	570241.5	4215484	1.01E-01	1.54E-02	6.94E-03
21	570249.8	4215481	1.06E-01	1.62E-02	7.29E-03
22	570266.3	4215473	1.14E-01	1.74E-02	7.86E-03
23	570188.1	4215516	5.64E-02	8.61E-03	3.89E-03
24	570172.2	4215518	5.09E-02	7.77E-03	3.51E-03
25	570156.3	4215520	4.66E-02	7.11E-03	3.21E-03
26	570140.5	4215522	4.29E-02	6.55E-03	2.95E-03
27	570204.3	4215512	6.41E-02	9.79E-03	4.42E-03
28	570220.8	4215504	7.50E-02	1.15E-02	5.17E-03
29	570237.3	4215497	8.63E-02	1.32E-02	5.95E-03
30	570253.8	4215490	9.61E-02	1.47E-02	6.62E-03
31	570262.1	4215486	1.00E-01	1.53E-02	6.92E-03
32	570191.4	4215526	5.16E-02	7.87E-03	3.55E-03
33	570174.1	4215528	4.59E-02	7.01E-03	3.16E-03
34	570156.8	4215530	4.19E-02	6.40E-03	2.89E-03
35	570139.4	4215532	3.85E-02	5.87E-03	2.65E-03
36	570208.3	4215521	5.90E-02	9.02E-03	4.07E-03
37	570216.6	4215517	6.38E-02	9.74E-03	4.39E-03
38	570233.1	4215510	7.38E-02	1.13E-02	5.09E-03
39	570249.6	4215503	8.34E-02	1.27E-02	5.75E-03
40	570266.1	4215495	9.16E-02	1.40E-02	6.31E-03
41	570274.4	4215492	9.52E-02	1.45E-02	6.56E-03
42	570195.7	4215535	4.78E-02	7.30E-03	3.30E-03
43	570179.1	4215537	4.29E-02	6.55E-03	2.96E-03
44	570162.4	4215539	3.91E-02	5.97E-03	2.69E-03
45	570145.7	4215541	3.60E-02	5.50E-03	2.48E-03
46	570212.3	4215530	5.45E-02	8.33E-03	3.76E-03

47	570228.8	4215523	6.31E-02	9.64E-03	4.35E-03
48	570245.4	4215515	7.22E-02	1.10E-02	4.98E-03
49	570261.9	4215508	8.08E-02	1.23E-02	5.57E-03
50	570278.4	4215501	8.76E-02	1.34E-02	6.04E-03
51	570200	4215544	4.45E-02	6.80E-03	3.07E-03
52	570183.9	4215546	4.02E-02	6.14E-03	2.77E-03
53	570167.7	4215548	3.66E-02	5.59E-03	2.52E-03
54	570151.5	4215550	3.38E-02	5.16E-03	2.33E-03
55	570135.4	4215552	3.14E-02	4.80E-03	2.17E-03
56	570216.4	4215539	5.06E-02	7.73E-03	3.49E-03
57	570232.9	4215532	5.84E-02	8.92E-03	4.03E-03
58	570241.1	4215528	6.25E-02	9.54E-03	4.31E-03
59	570257.6	4215521	7.07E-02	1.08E-02	4.87E-03
60	570274.2	4215514	7.80E-02	1.19E-02	5.37E-03
61	570203.5	4215553	4.13E-02	6.31E-03	2.85E-03
62	570186.2	4215555	3.72E-02	5.68E-03	2.56E-03
63	570168.8	4215557	3.37E-02	5.14E-03	2.32E-03
64	570151.5	4215559	3.10E-02	4.73E-03	2.14E-03
65	570134.2	4215561	2.87E-02	4.38E-03	1.98E-03
66	570220.4	4215548	4.72E-02	7.20E-03	3.25E-03
67	570228.6	4215545	5.08E-02	7.75E-03	3.50E-03
68	570245.2	4215537	5.82E-02	8.88E-03	4.01E-03
69	570253.4	4215534	6.19E-02	9.46E-03	4.27E-03
70	570269.9	4215526	6.89E-02	1.05E-02	4.75E-03
71	570286.5	4215519	7.51E-02	1.15E-02	5.17E-03
72	570207.8	4215562	3.89E-02	5.94E-03	2.68E-03
73	570191	4215564	3.51E-02	5.36E-03	2.42E-03
74	570174.2	4215566	3.18E-02	4.85E-03	2.19E-03
75	570157.4	4215568	2.93E-02	4.47E-03	2.02E-03
76	570140.6	4215570	2.72E-02	4.15E-03	1.87E-03
77	570224.4	4215557	4.41E-02	6.74E-03	3.04E-03
78	570240.9	4215550	5.08E-02	7.75E-03	3.50E-03
79	570257.5	4215543	5.77E-02	8.80E-03	3.97E-03
80	570274	4215536	6.42E-02	9.80E-03	4.42E-03
81	570282.2	4215532	6.71E-02	1.02E-02	4.62E-03
82	570211.3	4215571	3.65E-02	5.58E-03	2.52E-03
83	570193.4	4215573	3.28E-02	5.01E-03	2.26E-03
84	570175.6	4215576	2.95E-02	4.51E-03	2.04E-03
85	570157.8	4215578	2.71E-02	4.13E-03	1.86E-03
86	570139.9	4215580	2.50E-02	3.82E-03	1.72E-03
87	570220.2	4215570	3.85E-02	5.88E-03	2.65E-03
88	570236.7	4215563	4.43E-02	6.77E-03	3.05E-03
89	570253.2	4215556	5.05E-02	7.71E-03	3.48E-03
90	570269.7	4215548	5.67E-02	8.66E-03	3.91E-03
91	570286.3	4215541	6.25E-02	9.55E-03	4.31E-03
92	570215.6	4215580	3.45E-02	5.26E-03	2.38E-03
93	570198.3	4215583	3.12E-02	4.76E-03	2.15E-03
94	570180.9	4215585	2.82E-02	4.30E-03	1.94E-03
95	570163.6	4215587	2.57E-02	3.93E-03	1.77E-03
96	570146.3	4215589	2.38E-02	3.63E-03	1.64E-03
97	570129	4215591	2.23E-02	3.40E-03	1.54E-03
98	570232.5	4215576	3.87E-02	5.92E-03	2.67E-03

99	570249	4215568	4.41E-02	6.74E-03	3.04E-03
100	570265.5	4215561	4.98E-02	7.60E-03	3.43E-03
101	570282	4215554	5.55E-02	8.48E-03	3.83E-03
102	570290.3	4215550	5.82E-02	8.89E-03	4.01E-03
103	570298.5	4215547	6.07E-02	9.27E-03	4.19E-03
104	570219.8	4215590	3.25E-02	4.96E-03	2.24E-03
105	570203	4215592	2.95E-02	4.51E-03	2.04E-03
106	570186.1	4215594	2.69E-02	4.10E-03	1.85E-03
107	570169.2	4215596	2.45E-02	3.74E-03	1.69E-03
108	570152.4	4215598	2.27E-02	3.47E-03	1.57E-03
109	570135.5	4215600	2.13E-02	3.25E-03	1.47E-03
110	570236.5	4215585	3.60E-02	5.50E-03	2.48E-03
111	570253	4215578	4.07E-02	6.22E-03	2.80E-03
112	570261.3	4215574	4.32E-02	6.60E-03	2.98E-03
113	570277.8	4215567	4.86E-02	7.42E-03	3.35E-03
114	570294.3	4215559	5.40E-02	8.24E-03	3.72E-03
115	570223.4	4215599	3.04E-02	4.64E-03	2.10E-03
116	570205.7	4215601	2.77E-02	4.23E-03	1.91E-03
117	570187.9	4215603	2.51E-02	3.84E-03	1.73E-03
118	570170.1	4215605	2.29E-02	3.50E-03	1.58E-03
119	570161.3	4215606	2.20E-02	3.36E-03	1.52E-03
120	570143.5	4215608	2.05E-02	3.12E-03	1.41E-03
121	570125.8	4215611	1.93E-02	2.95E-03	1.33E-03
122	570232.3	4215598	3.16E-02	4.82E-03	2.18E-03
123	570248.8	4215590	3.56E-02	5.43E-03	2.45E-03
124	570265.3	4215583	3.74E-02	5.72E-03	2.58E-03
125	570281.8	4215576	4.50E-02	6.87E-03	3.10E-03
126	570290.1	4215572	4.75E-02	7.25E-03	3.27E-03
127	570298.4	4215569	5.00E-02	7.63E-03	3.44E-03
128	570227.7	4215608	2.85E-02	4.35E-03	1.96E-03
129	570210.4	4215610	2.63E-02	4.02E-03	1.81E-03
130	570193	4215612	2.40E-02	3.67E-03	1.65E-03
131	570175.7	4215614	2.19E-02	3.35E-03	1.51E-03
132	570158.4	4215616	2.03E-02	3.10E-03	1.40E-03
133	570141.1	4215618	1.90E-02	2.90E-03	1.31E-03
134	570123.8	4215620	1.80E-02	2.75E-03	1.24E-03
135	570244.6	4215603	3.13E-02	4.79E-03	2.16E-03
136	570261.1	4215596	3.26E-02	4.98E-03	2.25E-03
137	570277.6	4215589	3.66E-02	5.58E-03	2.52E-03
138	570294.1	4215581	4.14E-02	6.33E-03	2.86E-03
139	570302.4	4215578	4.44E-02	6.78E-03	3.06E-03
140	570231.9	4215617	2.68E-02	4.09E-03	1.84E-03
141	570215	4215619	2.49E-02	3.81E-03	1.72E-03
142	570198	4215621	2.29E-02	3.49E-03	1.58E-03
143	570181.1	4215623	2.10E-02	3.20E-03	1.44E-03
144	570164.2	4215625	1.94E-02	2.96E-03	1.34E-03
145	570147.3	4215627	1.82E-02	2.78E-03	1.25E-03
146	570130.3	4215629	1.72E-02	2.63E-03	1.19E-03
147	570248.6	4215612	2.75E-02	4.20E-03	1.89E-03
148	570256.9	4215609	2.88E-02	4.40E-03	1.99E-03
149	570273.4	4215601	3.21E-02	4.90E-03	2.21E-03
150	570289.9	4215594	3.60E-02	5.50E-03	2.48E-03

151	570298.2	4215591	3.83E-02	5.84E-03	2.64E-03
152	570314.7	4215583	4.34E-02	6.62E-03	2.99E-03
153	570235.5	4215626	2.52E-02	3.85E-03	1.74E-03
154	570226.7	4215627	2.43E-02	3.71E-03	1.67E-03
155	570209	4215629	2.24E-02	3.42E-03	1.55E-03
156	570191.3	4215632	2.05E-02	3.14E-03	1.41E-03
157	570173.6	4215634	1.88E-02	2.87E-03	1.30E-03
158	570164.8	4215635	1.82E-02	2.78E-03	1.25E-03
159	570147.1	4215637	1.70E-02	2.60E-03	1.17E-03
160	570129.4	4215639	1.61E-02	2.46E-03	1.11E-03
161	570252.6	4215622	2.58E-02	3.94E-03	1.78E-03
162	570269.2	4215614	2.83E-02	4.32E-03	1.95E-03
163	570285.7	4215607	3.18E-02	4.86E-03	2.19E-03
164	570302.2	4215600	3.59E-02	5.48E-03	2.47E-03
165	570318.7	4215592	4.04E-02	6.17E-03	2.78E-03
166	570239.8	4215635	2.38E-02	3.64E-03	1.64E-03
167	570222.5	4215637	2.22E-02	3.40E-03	1.53E-03
168	570205.1	4215640	2.05E-02	3.12E-03	1.41E-03
169	570187.8	4215642	1.88E-02	2.87E-03	1.30E-03
170	570170.5	4215644	1.74E-02	2.66E-03	1.20E-03
171	570153.2	4215646	1.64E-02	2.50E-03	1.13E-03
172	570135.9	4215648	1.55E-02	2.36E-03	1.07E-03
173	570118.6	4215650	1.48E-02	2.25E-03	1.02E-03
174	570256.7	4215631	2.61E-02	3.98E-03	1.80E-03
175	570273.2	4215623	2.69E-02	4.11E-03	1.86E-03
176	570281.5	4215620	2.83E-02	4.33E-03	1.95E-03
177	570298	4215612	3.17E-02	4.84E-03	2.19E-03
178	570306.2	4215609	3.38E-02	5.16E-03	2.33E-03
179	570314.5	4215605	3.59E-02	5.48E-03	2.47E-03
180	570244	4215644	2.26E-02	3.45E-03	1.56E-03
181	570227	4215647	2.11E-02	3.23E-03	1.46E-03
182	570210	4215649	1.95E-02	2.98E-03	1.34E-03
183	570193	4215651	1.80E-02	2.75E-03	1.24E-03
184	570176.1	4215653	1.67E-02	2.55E-03	1.15E-03
185	570159.1	4215655	1.57E-02	2.40E-03	1.08E-03
186	570142.1	4215657	1.49E-02	2.27E-03	1.02E-03
187	570125.2	4215659	1.42E-02	2.17E-03	9.77E-04
188	570260.7	4215640	2.47E-02	3.77E-03	1.70E-03
189	570269	4215636	2.60E-02	3.97E-03	1.79E-03
190	570277.2	4215633	2.58E-02	3.93E-03	1.77E-03
191	570293.7	4215625	2.85E-02	4.34E-03	1.96E-03
192	570310.3	4215618	3.19E-02	4.88E-03	2.20E-03
193	570326.8	4215611	3.71E-02	5.67E-03	2.56E-03
194	570247.7	4215654	2.14E-02	3.27E-03	1.48E-03
195	570230	4215656	1.99E-02	3.04E-03	1.37E-03
196	570212.4	4215658	1.84E-02	2.80E-03	1.27E-03
197	570194.7	4215660	1.70E-02	2.59E-03	1.17E-03
198	570177.1	4215662	1.57E-02	2.40E-03	1.08E-03
199	570159.4	4215664	1.48E-02	2.26E-03	1.02E-03
200	570141.7	4215666	1.40E-02	2.14E-03	9.67E-04
201	570124.1	4215669	1.34E-02	2.04E-03	9.22E-04
202	570264.7	4215649	2.34E-02	3.57E-03	1.61E-03

203	570281.3	4215642	2.59E-02	3.96E-03	1.79E-03
204	570297.8	4215634	2.87E-02	4.39E-03	1.98E-03
205	570314.3	4215627	3.18E-02	4.85E-03	2.19E-03
206	570330.8	4215620	3.49E-02	5.33E-03	2.40E-03
207	570251.9	4215663	2.03E-02	3.11E-03	1.40E-03
208	570234.6	4215665	1.89E-02	2.89E-03	1.30E-03
209	570217.2	4215667	1.75E-02	2.67E-03	1.21E-03
210	570199.9	4215669	1.62E-02	2.48E-03	1.12E-03
211	570182.6	4215671	1.51E-02	2.31E-03	1.04E-03
212	570165.3	4215673	1.42E-02	2.17E-03	9.81E-04
213	570148	4215675	1.35E-02	2.07E-03	9.32E-04
214	570130.7	4215677	1.29E-02	1.97E-03	8.89E-04
215	570113.4	4215680	1.24E-02	1.89E-03	8.52E-04
216	570268.8	4215658	2.22E-02	3.39E-03	1.53E-03
217	570277	4215654	2.33E-02	3.56E-03	1.61E-03
218	570293.6	4215647	2.58E-02	3.94E-03	1.78E-03
219	570310.1	4215640	2.85E-02	4.36E-03	1.97E-03
220	570326.6	4215633	3.14E-02	4.80E-03	2.16E-03
221	570256	4215672	1.93E-02	2.94E-03	1.33E-03
222	570239	4215674	1.79E-02	2.74E-03	1.23E-03
223	570222	4215676	1.67E-02	2.55E-03	1.15E-03
224	570205	4215678	1.55E-02	2.37E-03	1.07E-03
225	570188	4215680	1.45E-02	2.22E-03	1.00E-03
226	570171	4215682	1.37E-02	2.09E-03	9.43E-04
227	570154	4215684	1.30E-02	1.99E-03	8.97E-04
228	570137	4215686	1.24E-02	1.90E-03	8.57E-04
229	570120	4215688	1.19E-02	1.82E-03	8.22E-04
230	570272.8	4215667	2.10E-02	3.21E-03	1.45E-03
231	570281.1	4215664	2.22E-02	3.39E-03	1.53E-03
232	570297.6	4215656	2.45E-02	3.74E-03	1.69E-03
233	570305.8	4215653	2.57E-02	3.93E-03	1.77E-03
234	570314.1	4215649	2.70E-02	4.12E-03	1.86E-03
235	570330.6	4215642	2.97E-02	4.53E-03	2.04E-03
236	570338.9	4215638	3.10E-02	4.73E-03	2.14E-03
237	570259.8	4215681	1.82E-02	2.78E-03	1.25E-03
238	570242.2	4215683	1.69E-02	2.58E-03	1.16E-03
239	570224.5	4215685	1.57E-02	2.39E-03	1.08E-03
240	570206.9	4215687	1.46E-02	2.23E-03	1.01E-03
241	570189.3	4215690	1.37E-02	2.10E-03	9.46E-04
242	570171.7	4215692	1.30E-02	1.98E-03	8.94E-04
243	570154.1	4215694	1.23E-02	1.88E-03	8.50E-04
244	570136.5	4215696	1.18E-02	1.80E-03	8.13E-04
245	570118.8	4215698	1.13E-02	1.73E-03	7.81E-04
246	570276.8	4215676	1.99E-02	3.04E-03	1.37E-03
247	570285.1	4215673	2.09E-02	3.20E-03	1.44E-03
248	570293.4	4215669	2.20E-02	3.37E-03	1.52E-03
249	570309.9	4215662	2.44E-02	3.72E-03	1.68E-03
250	570318.1	4215658	2.56E-02	3.90E-03	1.76E-03
251	570334.6	4215651	2.80E-02	4.28E-03	1.93E-03
252	570264	4215690	1.71E-02	2.62E-03	1.18E-03
253	570246.6	4215692	1.59E-02	2.44E-03	1.10E-03
254	570229.3	4215694	1.49E-02	2.27E-03	1.02E-03

255	570212	4215697	1.39E-02	2.13E-03	9.61E-04
256	570194.7	4215699	1.32E-02	2.01E-03	9.07E-04
257	570177.4	4215701	1.25E-02	1.91E-03	8.61E-04
258	570160.1	4215703	1.19E-02	1.82E-03	8.20E-04
259	570142.8	4215705	1.14E-02	1.74E-03	7.84E-04
260	570125.5	4215707	1.09E-02	1.67E-03	7.54E-04
261	570108.1	4215709	1.05E-02	1.61E-03	7.27E-04
262	570280.9	4215686	1.87E-02	2.86E-03	1.29E-03
263	570297.4	4215678	2.08E-02	3.18E-03	1.43E-03
264	570305.6	4215675	2.19E-02	3.34E-03	1.51E-03
265	570322.2	4215667	2.41E-02	3.68E-03	1.66E-03
266	570330.4	4215664	2.53E-02	3.86E-03	1.74E-03
267	570346.9	4215656	2.75E-02	4.20E-03	1.90E-03
268	570267.7	4215699	1.61E-02	2.46E-03	1.11E-03
269	570249.8	4215702	1.50E-02	2.29E-03	1.03E-03
270	570231.9	4215704	1.40E-02	2.13E-03	9.63E-04
271	570223	4215705	1.35E-02	2.07E-03	9.34E-04
272	570214	4215706	1.31E-02	2.01E-03	9.06E-04
273	570196.1	4215708	1.25E-02	1.90E-03	8.59E-04
274	570178.3	4215710	1.19E-02	1.82E-03	8.19E-04
275	570169.3	4215711	1.16E-02	1.77E-03	8.00E-04
276	570151.4	4215713	1.11E-02	1.69E-03	7.63E-04
277	570133.5	4215716	1.06E-02	1.62E-03	7.32E-04
278	570115.6	4215718	1.02E-02	1.56E-03	7.05E-04
279	570284.9	4215695	1.76E-02	2.69E-03	1.22E-03
280	570293.2	4215691	1.86E-02	2.84E-03	1.28E-03
281	570309.7	4215684	2.06E-02	3.15E-03	1.42E-03
282	570317.9	4215680	2.17E-02	3.32E-03	1.50E-03
283	570334.5	4215673	2.38E-02	3.64E-03	1.64E-03
284	570342.7	4215669	2.49E-02	3.80E-03	1.72E-03
285	570282.2	4215444	1.41E-01	2.15E-02	9.68E-03
286	570275.6	4215451	1.37E-01	2.09E-02	9.42E-03
287	570268.9	4215458	1.32E-01	2.01E-02	9.07E-03
288	570298.6	4215441	1.34E-01	2.05E-02	9.24E-03
289	570292.2	4215447	1.32E-01	2.02E-02	9.10E-03
290	570285.7	4215454	1.29E-01	1.97E-02	8.90E-03
291	570279.2	4215460	1.25E-01	1.91E-02	8.63E-03
292	570272.8	4215467	1.20E-01	1.84E-02	8.29E-03
293	570308.3	4215444	1.27E-01	1.93E-02	8.72E-03
294	570302	4215450	1.25E-01	1.91E-02	8.60E-03
295	570295.6	4215457	1.22E-01	1.87E-02	8.42E-03
296	570289.3	4215463	1.19E-01	1.82E-02	8.21E-03
297	570276.6	4215476	1.10E-01	1.68E-02	7.57E-03
298	570322.7	4215443	1.20E-01	1.84E-02	8.28E-03
299	570315.8	4215450	1.19E-01	1.82E-02	8.22E-03
300	570308.9	4215457	1.17E-01	1.79E-02	8.09E-03
301	570302	4215464	1.15E-01	1.75E-02	7.90E-03
302	570295.1	4215471	1.11E-01	1.70E-02	7.65E-03
303	570288.2	4215478	1.06E-01	1.63E-02	7.34E-03
304	570281.3	4215485	1.01E-01	1.54E-02	6.97E-03
305	570339	4215439	1.13E-01	1.72E-02	7.75E-03
306	570332.2	4215446	1.13E-01	1.73E-02	7.80E-03

307	570325.5	4215453	1.13E-01	1.72E-02	7.78E-03
308	570318.8	4215460	1.12E-01	1.70E-02	7.68E-03
309	570312	4215467	1.09E-01	1.67E-02	7.53E-03
310	570305.3	4215474	1.06E-01	1.62E-02	7.33E-03
311	570298.6	4215480	1.03E-01	1.57E-02	7.07E-03
312	570291.8	4215487	9.80E-02	1.50E-02	6.75E-03
313	570285.1	4215494	9.30E-02	1.42E-02	6.41E-03
314	570355.7	4215399	1.13E-01	1.73E-02	7.79E-03
315	570355.5	4215408	1.11E-01	1.69E-02	7.64E-03
316	570355.3	4215418	1.09E-01	1.67E-02	7.52E-03
317	570348.3	4215443	1.06E-01	1.62E-02	7.32E-03
318	570341.7	4215450	1.07E-01	1.64E-02	7.38E-03
319	570335.1	4215457	1.07E-01	1.64E-02	7.38E-03
320	570328.5	4215463	1.06E-01	1.62E-02	7.31E-03
321	570322	4215470	1.04E-01	1.59E-02	7.19E-03
322	570315.4	4215477	1.02E-01	1.56E-02	7.02E-03
323	570308.8	4215483	9.88E-02	1.51E-02	6.81E-03
324	570302.2	4215490	9.50E-02	1.45E-02	6.54E-03
325	570295.6	4215497	9.05E-02	1.38E-02	6.24E-03
326	570289	4215503	8.59E-02	1.31E-02	5.92E-03
327	570365.1	4215394	1.08E-01	1.65E-02	7.45E-03
328	570364.9	4215404	1.06E-01	1.62E-02	7.33E-03
329	570364.7	4215413	1.05E-01	1.60E-02	7.22E-03
330	570357.6	4215447	1.01E-01	1.54E-02	6.95E-03
331	570351.2	4215454	1.02E-01	1.55E-02	7.01E-03
332	570344.7	4215460	1.02E-01	1.56E-02	7.03E-03
333	570338.2	4215467	1.01E-01	1.55E-02	6.98E-03
334	570331.8	4215473	9.98E-02	1.52E-02	6.88E-03
335	570325.3	4215480	9.78E-02	1.49E-02	6.74E-03
336	570318.8	4215486	9.51E-02	1.45E-02	6.56E-03
337	570312.3	4215493	9.19E-02	1.40E-02	6.33E-03
338	570305.9	4215499	8.81E-02	1.35E-02	6.07E-03
339	570299.4	4215506	8.40E-02	1.28E-02	5.79E-03
340	570292.9	4215513	7.96E-02	1.22E-02	5.49E-03
341	570374.4	4215395	1.03E-01	1.57E-02	7.06E-03
342	570374.2	4215405	1.01E-01	1.54E-02	6.96E-03
343	570374	4215415	9.96E-02	1.52E-02	6.86E-03
344	570366.4	4215451	9.59E-02	1.47E-02	6.61E-03
345	570359.5	4215458	9.69E-02	1.48E-02	6.68E-03
346	570352.6	4215465	9.74E-02	1.49E-02	6.71E-03
347	570345.7	4215472	9.65E-02	1.47E-02	6.65E-03
348	570338.8	4215479	9.50E-02	1.45E-02	6.55E-03
349	570331.9	4215486	9.29E-02	1.42E-02	6.40E-03
350	570325	4215493	9.01E-02	1.38E-02	6.21E-03
351	570318.1	4215500	8.67E-02	1.32E-02	5.97E-03
352	570311.2	4215507	8.28E-02	1.26E-02	5.71E-03
353	570304.3	4215514	7.86E-02	1.20E-02	5.42E-03
354	570297.4	4215521	7.42E-02	1.13E-02	5.11E-03
355	570383.8	4215390	9.80E-02	1.50E-02	6.75E-03
356	570383.6	4215400	9.69E-02	1.48E-02	6.68E-03
357	570383.4	4215410	9.57E-02	1.46E-02	6.60E-03
358	570382.7	4215439	9.15E-02	1.40E-02	6.31E-03

359	570375.8	4215455	9.14E-02	1.40E-02	6.30E-03
360	570369	4215462	9.24E-02	1.41E-02	6.36E-03
361	570362.2	4215469	9.28E-02	1.42E-02	6.39E-03
362	570355.4	4215476	9.24E-02	1.41E-02	6.37E-03
363	570348.7	4215483	9.12E-02	1.39E-02	6.29E-03
364	570341.9	4215489	8.94E-02	1.37E-02	6.16E-03
365	570335.1	4215496	8.71E-02	1.33E-02	6.00E-03
366	570328.4	4215503	8.41E-02	1.28E-02	5.79E-03
367	570321.6	4215510	8.06E-02	1.23E-02	5.56E-03
368	570314.8	4215517	7.69E-02	1.17E-02	5.30E-03
369	570308.1	4215524	7.30E-02	1.11E-02	5.03E-03
370	570301.3	4215531	6.91E-02	1.06E-02	4.76E-03
371	570393	4215395	9.28E-02	1.42E-02	6.39E-03
372	570392.8	4215405	9.18E-02	1.40E-02	6.32E-03
373	570392.6	4215414	9.08E-02	1.39E-02	6.26E-03
374	570392	4215443	8.72E-02	1.33E-02	6.01E-03
375	570385.1	4215459	8.72E-02	1.33E-02	6.01E-03
376	570378.4	4215466	8.81E-02	1.35E-02	6.07E-03
377	570371.8	4215472	8.84E-02	1.35E-02	6.09E-03
378	570365.1	4215479	8.82E-02	1.35E-02	6.08E-03
379	570358.5	4215486	8.75E-02	1.34E-02	6.03E-03
380	570351.8	4215493	8.61E-02	1.31E-02	5.93E-03
381	570345.1	4215499	8.40E-02	1.28E-02	5.79E-03
382	570338.5	4215506	8.15E-02	1.24E-02	5.62E-03
383	570331.8	4215513	7.85E-02	1.20E-02	5.41E-03
384	570325.2	4215520	7.51E-02	1.15E-02	5.17E-03
385	570318.5	4215526	7.15E-02	1.09E-02	4.93E-03
386	570311.9	4215533	6.81E-02	1.04E-02	4.69E-03
387	570305.2	4215540	6.45E-02	9.85E-03	4.45E-03
388	570402.4	4215391	8.87E-02	1.36E-02	6.12E-03
389	570402.2	4215400	8.80E-02	1.34E-02	6.07E-03
390	570402	4215409	8.72E-02	1.33E-02	6.01E-03
391	570401.2	4215447	8.32E-02	1.27E-02	5.73E-03
392	570394.4	4215463	8.31E-02	1.27E-02	5.73E-03
393	570387.8	4215469	8.40E-02	1.28E-02	5.79E-03
394	570381.3	4215476	8.45E-02	1.29E-02	5.82E-03
395	570374.7	4215483	8.44E-02	1.29E-02	5.81E-03
396	570368.2	4215489	8.38E-02	1.28E-02	5.77E-03
397	570361.6	4215496	8.27E-02	1.26E-02	5.70E-03
398	570355	4215503	8.11E-02	1.24E-02	5.59E-03
399	570348.5	4215509	7.89E-02	1.20E-02	5.44E-03
400	570341.9	4215516	7.63E-02	1.16E-02	5.26E-03
401	570335.4	4215523	7.33E-02	1.12E-02	5.05E-03
402	570328.8	4215529	7.01E-02	1.07E-02	4.83E-03
403	570322.3	4215536	6.69E-02	1.02E-02	4.61E-03
404	570315.7	4215542	6.36E-02	9.71E-03	4.38E-03
405	570309.1	4215549	6.01E-02	9.18E-03	4.14E-03
406	570411.7	4215391	8.46E-02	1.29E-02	5.83E-03
407	570411.5	4215401	8.40E-02	1.28E-02	5.79E-03
408	570411.3	4215411	8.33E-02	1.27E-02	5.74E-03
409	570410.6	4215440	8.06E-02	1.23E-02	5.56E-03
410	570410.4	4215450	7.95E-02	1.21E-02	5.48E-03

411	570403.3	4215467	7.94E-02	1.21E-02	5.47E-03
412	570396.3	4215474	8.02E-02	1.22E-02	5.52E-03
413	570389.4	4215481	8.07E-02	1.23E-02	5.56E-03
414	570382.5	4215488	8.08E-02	1.23E-02	5.57E-03
415	570375.6	4215495	8.01E-02	1.22E-02	5.52E-03
416	570368.7	4215502	7.89E-02	1.20E-02	5.43E-03
417	570361.8	4215509	7.72E-02	1.18E-02	5.32E-03
418	570354.9	4215516	7.52E-02	1.15E-02	5.18E-03
419	570348	4215523	7.25E-02	1.11E-02	5.00E-03
420	570341.1	4215530	6.96E-02	1.06E-02	4.79E-03
421	570334.2	4215537	6.64E-02	1.01E-02	4.58E-03
422	570327.3	4215544	6.32E-02	9.64E-03	4.35E-03
423	570320.4	4215551	5.98E-02	9.12E-03	4.12E-03
424	570313.5	4215558	5.62E-02	8.59E-03	3.87E-03
425	570421.1	4215386	8.10E-02	1.24E-02	5.58E-03
426	570420.9	4215396	8.06E-02	1.23E-02	5.55E-03
427	570420.7	4215406	8.00E-02	1.22E-02	5.52E-03
428	570420.5	4215415	7.95E-02	1.21E-02	5.48E-03
429	570419.8	4215444	7.69E-02	1.17E-02	5.30E-03
430	570419.6	4215454	7.59E-02	1.16E-02	5.23E-03
431	570412.6	4215471	7.58E-02	1.16E-02	5.22E-03
432	570405.8	4215478	7.65E-02	1.17E-02	5.27E-03
433	570399	4215484	7.69E-02	1.17E-02	5.30E-03
434	570392.2	4215491	7.71E-02	1.18E-02	5.31E-03
435	570385.4	4215498	7.68E-02	1.17E-02	5.29E-03
436	570378.6	4215505	7.58E-02	1.16E-02	5.22E-03
437	570371.8	4215512	7.43E-02	1.14E-02	5.12E-03
438	570365	4215519	7.26E-02	1.11E-02	5.00E-03
439	570358.2	4215526	7.04E-02	1.08E-02	4.85E-03
440	570351.4	4215533	6.80E-02	1.04E-02	4.68E-03
441	570344.6	4215540	6.51E-02	9.94E-03	4.49E-03
442	570337.8	4215547	6.21E-02	9.48E-03	4.28E-03
443	570331	4215553	5.89E-02	9.00E-03	4.06E-03
444	570324.2	4215560	5.57E-02	8.50E-03	3.84E-03
445	570317.4	4215567	5.22E-02	7.97E-03	3.60E-03
446	570430.5	4215382	7.74E-02	1.18E-02	5.34E-03
447	570430.3	4215391	7.73E-02	1.18E-02	5.33E-03
448	570430.1	4215401	7.70E-02	1.18E-02	5.30E-03
449	570429.9	4215410	7.65E-02	1.17E-02	5.27E-03
450	570429.2	4215439	7.43E-02	1.13E-02	5.12E-03
451	570429	4215449	7.34E-02	1.12E-02	5.06E-03
452	570428.8	4215458	7.24E-02	1.11E-02	4.99E-03
453	570421.9	4215474	7.21E-02	1.10E-02	4.97E-03
454	570415.2	4215481	7.29E-02	1.11E-02	5.03E-03
455	570408.5	4215488	7.34E-02	1.12E-02	5.06E-03
456	570401.8	4215495	7.36E-02	1.12E-02	5.07E-03
457	570395.1	4215502	7.33E-02	1.12E-02	5.05E-03
458	570388.4	4215508	7.27E-02	1.11E-02	5.01E-03
459	570381.7	4215515	7.16E-02	1.09E-02	4.93E-03
460	570375	4215522	7.00E-02	1.07E-02	4.82E-03
461	570368.3	4215529	6.81E-02	1.04E-02	4.69E-03
462	570361.6	4215536	6.60E-02	1.01E-02	4.55E-03

463	570354.9	4215542	6.36E-02	9.71E-03	4.38E-03
464	570348.2	4215549	6.09E-02	9.29E-03	4.19E-03
465	570341.5	4215556	5.80E-02	8.85E-03	4.00E-03
466	570334.8	4215563	5.49E-02	8.39E-03	3.79E-03
467	570328.1	4215570	5.18E-02	7.90E-03	3.57E-03
468	570321.4	4215576	4.85E-02	7.41E-03	3.34E-03
469	570439.7	4215387	7.40E-02	1.13E-02	5.10E-03
470	570439.5	4215396	7.39E-02	1.13E-02	5.09E-03
471	570439.3	4215406	7.37E-02	1.13E-02	5.08E-03
472	570439.1	4215415	7.32E-02	1.12E-02	5.04E-03
473	570438.4	4215443	7.09E-02	1.08E-02	4.89E-03
474	570438.2	4215453	7.01E-02	1.07E-02	4.83E-03
475	570438	4215462	6.92E-02	1.06E-02	4.77E-03
476	570431.2	4215478	6.87E-02	1.05E-02	4.74E-03
477	570424.6	4215485	6.94E-02	1.06E-02	4.78E-03
478	570417.9	4215492	7.00E-02	1.07E-02	4.82E-03
479	570411.3	4215498	7.02E-02	1.07E-02	4.84E-03
480	570404.7	4215505	7.00E-02	1.07E-02	4.83E-03
481	570398.1	4215512	6.95E-02	1.06E-02	4.79E-03
482	570391.5	4215519	6.87E-02	1.05E-02	4.73E-03
483	570384.9	4215525	6.75E-02	1.03E-02	4.65E-03
484	570378.2	4215532	6.58E-02	1.00E-02	4.53E-03
485	570371.6	4215539	6.39E-02	9.75E-03	4.40E-03
486	570365	4215545	6.17E-02	9.43E-03	4.25E-03
487	570358.4	4215552	5.94E-02	9.07E-03	4.09E-03
488	570351.8	4215559	5.69E-02	8.68E-03	3.92E-03
489	570345.2	4215566	5.41E-02	8.26E-03	3.73E-03
490	570338.6	4215572	5.12E-02	7.81E-03	3.53E-03
491	570331.9	4215579	4.82E-02	7.36E-03	3.32E-03
492	570325.3	4215586	4.35E-02	6.65E-03	3.00E-03
493	570449.2	4215377	7.09E-02	1.08E-02	4.88E-03
494	570449	4215387	7.09E-02	1.08E-02	4.89E-03
495	570448.8	4215397	7.08E-02	1.08E-02	4.88E-03
496	570448.5	4215407	7.05E-02	1.08E-02	4.86E-03
497	570448.3	4215416	7.00E-02	1.07E-02	4.83E-03
498	570447.7	4215446	6.79E-02	1.04E-02	4.68E-03
499	570447.4	4215456	6.70E-02	1.02E-02	4.62E-03
500	570447.2	4215466	6.61E-02	1.01E-02	4.55E-03
501	570440.1	4215482	6.55E-02	1.00E-02	4.51E-03
502	570433.2	4215489	6.61E-02	1.01E-02	4.56E-03
503	570426.3	4215496	6.66E-02	1.02E-02	4.59E-03
504	570419.4	4215503	6.69E-02	1.02E-02	4.61E-03
505	570412.5	4215510	6.69E-02	1.02E-02	4.61E-03
506	570405.6	4215517	6.63E-02	1.01E-02	4.57E-03
507	570398.7	4215524	6.55E-02	1.00E-02	4.51E-03
508	570391.8	4215531	6.42E-02	9.81E-03	4.43E-03
509	570384.9	4215538	6.27E-02	9.57E-03	4.32E-03
510	570378	4215546	6.07E-02	9.28E-03	4.19E-03
511	570371.1	4215553	5.86E-02	8.95E-03	4.04E-03
512	570364.2	4215560	5.63E-02	8.60E-03	3.88E-03
513	570357.3	4215567	5.38E-02	8.21E-03	3.70E-03
514	570350.4	4215574	5.10E-02	7.79E-03	3.52E-03

515	570343.5	4215581	4.82E-02	7.36E-03	3.32E-03
516	570336.5	4215588	4.53E-02	6.91E-03	3.12E-03
517	570329.6	4215595	4.24E-02	6.47E-03	2.92E-03
518	570458.6	4215373	6.82E-02	1.04E-02	4.70E-03
519	570458.4	4215382	6.81E-02	1.04E-02	4.69E-03
520	570458.2	4215392	6.79E-02	1.04E-02	4.68E-03
521	570458	4215402	6.76E-02	1.03E-02	4.66E-03
522	570457.7	4215411	6.72E-02	1.03E-02	4.63E-03
523	570457.1	4215441	6.55E-02	1.00E-02	4.51E-03
524	570456.9	4215450	6.47E-02	9.89E-03	4.46E-03
525	570456.6	4215460	6.39E-02	9.75E-03	4.40E-03
526	570456.4	4215470	6.28E-02	9.59E-03	4.33E-03
527	570449.4	4215486	6.23E-02	9.51E-03	4.29E-03
528	570442.6	4215493	6.30E-02	9.61E-03	4.34E-03
529	570435.8	4215500	6.34E-02	9.68E-03	4.37E-03
530	570429	4215507	6.37E-02	9.72E-03	4.39E-03
531	570422.1	4215514	6.37E-02	9.73E-03	4.39E-03
532	570415.3	4215521	6.35E-02	9.70E-03	4.38E-03
533	570408.5	4215528	6.29E-02	9.60E-03	4.33E-03
534	570401.7	4215535	6.18E-02	9.43E-03	4.26E-03
535	570394.9	4215542	6.04E-02	9.23E-03	4.16E-03
536	570388.1	4215548	5.88E-02	8.98E-03	4.05E-03
537	570381.3	4215555	5.70E-02	8.70E-03	3.92E-03
538	570374.5	4215562	5.49E-02	8.38E-03	3.78E-03
539	570367.6	4215569	5.26E-02	8.03E-03	3.62E-03
540	570360.8	4215576	5.02E-02	7.66E-03	3.46E-03
541	570354	4215583	4.76E-02	7.27E-03	3.28E-03
542	570347.2	4215590	4.50E-02	6.87E-03	3.10E-03
543	570340.4	4215597	4.23E-02	6.46E-03	2.92E-03
544	570333.6	4215604	3.97E-02	6.06E-03	2.73E-03
545	570468	4215368	6.57E-02	1.00E-02	4.53E-03
546	570467.8	4215378	6.55E-02	1.00E-02	4.52E-03
547	570467.6	4215387	6.53E-02	9.97E-03	4.50E-03
548	570467.4	4215397	6.49E-02	9.91E-03	4.47E-03
549	570467.1	4215407	6.44E-02	9.84E-03	4.44E-03
550	570466.9	4215416	6.41E-02	9.79E-03	4.42E-03
551	570466.3	4215445	6.25E-02	9.55E-03	4.31E-03
552	570466.1	4215454	6.18E-02	9.43E-03	4.26E-03
553	570465.8	4215464	6.09E-02	9.30E-03	4.20E-03
554	570465.6	4215474	5.98E-02	9.13E-03	4.12E-03
555	570458.7	4215490	5.93E-02	9.05E-03	4.08E-03
556	570452	4215497	5.99E-02	9.14E-03	4.12E-03
557	570445.2	4215504	6.03E-02	9.21E-03	4.16E-03
558	570438.5	4215511	6.06E-02	9.26E-03	4.18E-03
559	570431.8	4215517	6.07E-02	9.27E-03	4.18E-03
560	570425	4215524	6.06E-02	9.25E-03	4.18E-03
561	570418.3	4215531	6.02E-02	9.19E-03	4.15E-03
562	570411.6	4215538	5.95E-02	9.08E-03	4.10E-03
563	570404.8	4215545	5.83E-02	8.90E-03	4.02E-03
564	570398.1	4215552	5.69E-02	8.69E-03	3.92E-03
565	570391.4	4215558	5.52E-02	8.43E-03	3.81E-03
566	570384.7	4215565	5.34E-02	8.15E-03	3.68E-03

567	570377.9	4215572	5.13E-02	7.84E-03	3.54E-03
568	570371.2	4215579	4.92E-02	7.51E-03	3.39E-03
569	570364.5	4215586	4.69E-02	7.17E-03	3.23E-03
570	570357.7	4215593	4.45E-02	6.80E-03	3.07E-03
571	570351	4215599	4.21E-02	6.43E-03	2.90E-03
572	570344.3	4215606	3.96E-02	6.05E-03	2.73E-03
573	570337.5	4215613	3.72E-02	5.69E-03	2.57E-03
574	570477.4	4215364	6.32E-02	9.66E-03	4.36E-03
575	570477.2	4215373	6.32E-02	9.65E-03	4.35E-03
576	570477	4215383	6.29E-02	9.61E-03	4.34E-03
577	570476.8	4215392	6.26E-02	9.55E-03	4.31E-03
578	570476.5	4215402	6.21E-02	9.48E-03	4.28E-03
579	570476.3	4215411	6.17E-02	9.42E-03	4.25E-03
580	570475.7	4215440	6.05E-02	9.23E-03	4.17E-03
581	570475.5	4215449	5.98E-02	9.13E-03	4.12E-03
582	570475.3	4215459	5.90E-02	9.01E-03	4.06E-03
583	570475	4215468	5.81E-02	8.87E-03	4.00E-03
584	570474.8	4215478	5.70E-02	8.70E-03	3.93E-03
585	570468	4215494	5.64E-02	8.61E-03	3.89E-03
586	570461.3	4215501	5.69E-02	8.69E-03	3.92E-03
587	570454.7	4215507	5.73E-02	8.75E-03	3.95E-03
588	570448	4215514	5.77E-02	8.81E-03	3.97E-03
589	570441.3	4215521	5.79E-02	8.84E-03	3.99E-03
590	570434.7	4215528	5.78E-02	8.82E-03	3.98E-03
591	570428	4215534	5.75E-02	8.77E-03	3.96E-03
592	570421.4	4215541	5.69E-02	8.69E-03	3.92E-03
593	570414.7	4215548	5.62E-02	8.58E-03	3.87E-03
594	570408.1	4215555	5.50E-02	8.40E-03	3.79E-03
595	570401.4	4215561	5.35E-02	8.17E-03	3.69E-03
596	570394.7	4215568	5.18E-02	7.91E-03	3.57E-03
597	570388.1	4215575	5.00E-02	7.64E-03	3.45E-03
598	570381.4	4215582	4.81E-02	7.34E-03	3.31E-03
599	570374.8	4215588	4.61E-02	7.03E-03	3.17E-03
600	570368.1	4215595	4.39E-02	6.70E-03	3.03E-03
601	570361.5	4215602	4.17E-02	6.37E-03	2.87E-03
602	570354.8	4215609	3.95E-02	6.03E-03	2.72E-03
603	570348.2	4215615	3.72E-02	5.68E-03	2.56E-03
604	570341.5	4215622	3.50E-02	5.35E-03	2.41E-03
605	570486.7	4215363	6.08E-02	9.29E-03	4.19E-03
606	570486.5	4215373	6.08E-02	9.28E-03	4.19E-03
607	570486.3	4215383	6.06E-02	9.25E-03	4.18E-03
608	570486	4215393	6.03E-02	9.21E-03	4.16E-03
609	570485.8	4215403	5.99E-02	9.14E-03	4.13E-03
610	570485.6	4215412	5.95E-02	9.09E-03	4.10E-03
611	570484.9	4215442	5.81E-02	8.87E-03	4.00E-03
612	570484.7	4215452	5.74E-02	8.77E-03	3.96E-03
613	570484.5	4215462	5.66E-02	8.65E-03	3.90E-03
614	570484.3	4215471	5.57E-02	8.50E-03	3.84E-03
615	570484.1	4215481	5.46E-02	8.34E-03	3.76E-03
616	570476.9	4215498	5.38E-02	8.22E-03	3.71E-03
617	570470	4215505	5.42E-02	8.27E-03	3.73E-03
618	570463.1	4215512	5.46E-02	8.33E-03	3.76E-03

619	570456.2	4215519	5.49E-02	8.38E-03	3.78E-03
620	570449.3	4215526	5.51E-02	8.41E-03	3.79E-03
621	570442.4	4215533	5.50E-02	8.41E-03	3.79E-03
622	570435.5	4215540	5.47E-02	8.36E-03	3.77E-03
623	570428.6	4215547	5.42E-02	8.28E-03	3.74E-03
624	570421.7	4215554	5.35E-02	8.17E-03	3.69E-03
625	570414.8	4215561	5.25E-02	8.01E-03	3.62E-03
626	570407.9	4215568	5.10E-02	7.79E-03	3.51E-03
627	570401	4215575	4.94E-02	7.54E-03	3.40E-03
628	570394.1	4215582	4.76E-02	7.27E-03	3.28E-03
629	570387.2	4215589	4.57E-02	6.98E-03	3.15E-03
630	570380.3	4215596	4.37E-02	6.67E-03	3.01E-03
631	570373.4	4215603	4.16E-02	6.35E-03	2.87E-03
632	570366.5	4215610	3.95E-02	6.03E-03	2.72E-03
633	570359.6	4215617	3.73E-02	5.70E-03	2.57E-03
634	570352.7	4215624	3.52E-02	5.37E-03	2.42E-03
635	570345.8	4215631	3.31E-02	5.05E-03	2.28E-03
636	570496.1	4215359	5.86E-02	8.94E-03	4.04E-03
637	570495.9	4215369	5.86E-02	8.95E-03	4.04E-03
638	570495.7	4215378	5.85E-02	8.93E-03	4.03E-03
639	570495.5	4215388	5.83E-02	8.90E-03	4.02E-03
640	570495.2	4215398	5.80E-02	8.86E-03	4.00E-03
641	570495	4215407	5.77E-02	8.80E-03	3.97E-03
642	570494.8	4215417	5.73E-02	8.75E-03	3.95E-03
643	570494.1	4215446	5.57E-02	8.51E-03	3.84E-03
644	570493.9	4215456	5.50E-02	8.40E-03	3.79E-03
645	570493.7	4215466	5.43E-02	8.29E-03	3.74E-03
646	570493.5	4215475	5.33E-02	8.14E-03	3.67E-03
647	570493.3	4215485	5.23E-02	7.98E-03	3.60E-03
648	570486.2	4215502	5.15E-02	7.87E-03	3.55E-03
649	570479.4	4215509	5.18E-02	7.90E-03	3.57E-03
650	570472.6	4215516	5.19E-02	7.92E-03	3.58E-03
651	570465.7	4215523	5.21E-02	7.96E-03	3.59E-03
652	570458.9	4215530	5.23E-02	7.99E-03	3.60E-03
653	570452.1	4215536	5.23E-02	7.99E-03	3.61E-03
654	570445.3	4215543	5.22E-02	7.97E-03	3.60E-03
655	570438.4	4215550	5.18E-02	7.92E-03	3.57E-03
656	570431.6	4215557	5.12E-02	7.82E-03	3.53E-03
657	570424.8	4215564	5.04E-02	7.69E-03	3.47E-03
658	570418	4215571	4.93E-02	7.53E-03	3.40E-03
659	570411.1	4215578	4.79E-02	7.32E-03	3.30E-03
660	570404.3	4215585	4.64E-02	7.08E-03	3.20E-03
661	570397.5	4215592	4.47E-02	6.82E-03	3.08E-03
662	570390.7	4215599	4.29E-02	6.54E-03	2.95E-03
663	570383.9	4215606	4.10E-02	6.26E-03	2.82E-03
664	570377	4215613	3.90E-02	5.96E-03	2.69E-03
665	570370.2	4215620	3.70E-02	5.65E-03	2.55E-03
666	570363.4	4215627	3.50E-02	5.35E-03	2.41E-03
667	570356.6	4215633	3.30E-02	5.04E-03	2.28E-03
668	570349.7	4215640	3.11E-02	4.75E-03	2.14E-03
669	570505.5	4215355	5.64E-02	8.61E-03	3.89E-03
670	570505.3	4215364	5.65E-02	8.62E-03	3.89E-03

671	570505.1	4215374	5.65E-02	8.62E-03	3.89E-03
672	570504.9	4215383	5.64E-02	8.61E-03	3.88E-03
673	570504.6	4215393	5.62E-02	8.58E-03	3.87E-03
674	570504.4	4215403	5.59E-02	8.54E-03	3.85E-03
675	570504.2	4215412	5.56E-02	8.48E-03	3.83E-03
676	570503.6	4215441	5.41E-02	8.25E-03	3.72E-03
677	570503.3	4215451	5.35E-02	8.16E-03	3.68E-03
678	570503.1	4215460	5.28E-02	8.06E-03	3.64E-03
679	570502.9	4215470	5.20E-02	7.94E-03	3.58E-03
680	570502.7	4215480	5.11E-02	7.80E-03	3.52E-03
681	570502.5	4215489	5.01E-02	7.65E-03	3.45E-03
682	570495.5	4215506	4.94E-02	7.54E-03	3.40E-03
683	570488.7	4215513	4.96E-02	7.57E-03	3.42E-03
684	570482	4215519	4.97E-02	7.59E-03	3.42E-03
685	570475.2	4215526	4.97E-02	7.58E-03	3.42E-03
686	570468.5	4215533	4.97E-02	7.59E-03	3.43E-03
687	570461.7	4215540	4.98E-02	7.60E-03	3.43E-03
688	570455	4215547	4.97E-02	7.59E-03	3.42E-03
689	570448.2	4215554	4.95E-02	7.56E-03	3.41E-03
690	570441.5	4215561	4.90E-02	7.49E-03	3.38E-03
691	570434.7	4215567	4.83E-02	7.38E-03	3.33E-03
692	570428	4215574	4.74E-02	7.24E-03	3.27E-03
693	570421.2	4215581	4.63E-02	7.07E-03	3.19E-03
694	570414.5	4215588	4.51E-02	6.88E-03	3.11E-03
695	570407.7	4215595	4.35E-02	6.65E-03	3.00E-03
696	570401	4215602	4.19E-02	6.40E-03	2.89E-03
697	570394.2	4215608	4.02E-02	6.14E-03	2.77E-03
698	570387.5	4215615	3.85E-02	5.87E-03	2.65E-03
699	570380.7	4215622	3.66E-02	5.59E-03	2.52E-03
700	570373.9	4215629	3.47E-02	5.31E-03	2.39E-03
701	570367.2	4215636	3.29E-02	5.02E-03	2.27E-03
702	570360.4	4215643	3.11E-02	4.74E-03	2.14E-03
703	570353.7	4215650	2.93E-02	4.47E-03	2.02E-03
704	570514.9	4215350	5.43E-02	8.30E-03	3.74E-03
705	570514.7	4215360	5.44E-02	8.31E-03	3.75E-03
706	570514.5	4215369	5.45E-02	8.32E-03	3.75E-03
707	570514.3	4215379	5.44E-02	8.31E-03	3.75E-03
708	570514	4215388	5.43E-02	8.29E-03	3.74E-03
709	570513.8	4215398	5.41E-02	8.27E-03	3.73E-03
710	570513.6	4215407	5.39E-02	8.22E-03	3.71E-03
711	570513.4	4215417	5.35E-02	8.17E-03	3.69E-03
712	570512.7	4215446	5.21E-02	7.95E-03	3.59E-03
713	570512.5	4215455	5.15E-02	7.86E-03	3.55E-03
714	570512.3	4215465	5.08E-02	7.76E-03	3.50E-03
715	570512.1	4215474	5.01E-02	7.64E-03	3.45E-03
716	570511.9	4215484	4.92E-02	7.52E-03	3.39E-03
717	570511.7	4215493	4.83E-02	7.38E-03	3.33E-03
718	570504.8	4215510	4.74E-02	7.24E-03	3.27E-03
719	570498.1	4215516	4.76E-02	7.26E-03	3.28E-03
720	570491.4	4215523	4.77E-02	7.28E-03	3.28E-03
721	570484.7	4215530	4.77E-02	7.28E-03	3.28E-03
722	570478	4215537	4.75E-02	7.26E-03	3.28E-03

723	570471.3	4215543	4.74E-02	7.23E-03	3.26E-03
724	570464.7	4215550	4.73E-02	7.22E-03	3.26E-03
725	570458	4215557	4.71E-02	7.20E-03	3.25E-03
726	570451.3	4215564	4.68E-02	7.15E-03	3.23E-03
727	570444.6	4215571	4.63E-02	7.07E-03	3.19E-03
728	570437.9	4215577	4.56E-02	6.96E-03	3.14E-03
729	570431.2	4215584	4.46E-02	6.82E-03	3.08E-03
730	570424.5	4215591	4.35E-02	6.65E-03	3.00E-03
731	570417.8	4215598	4.23E-02	6.46E-03	2.91E-03
732	570411.2	4215605	4.09E-02	6.24E-03	2.82E-03
733	570404.5	4215611	3.94E-02	6.01E-03	2.71E-03
734	570397.8	4215618	3.78E-02	5.77E-03	2.60E-03
735	570391.1	4215625	3.61E-02	5.51E-03	2.49E-03
736	570384.4	4215632	3.44E-02	5.25E-03	2.37E-03
737	570377.7	4215638	3.27E-02	4.99E-03	2.25E-03
738	570371	4215645	3.09E-02	4.72E-03	2.13E-03
739	570364.3	4215652	2.92E-02	4.46E-03	2.01E-03
740	570357.7	4215659	2.76E-02	4.21E-03	1.90E-03
741	569937.1	4214980	1.94E-02	2.97E-03	1.34E-03
742	569941.8	4214988	2.08E-02	3.18E-03	1.44E-03
743	569895.6	4214925	1.41E-02	2.15E-03	9.69E-04
744	569900.3	4214934	1.45E-02	2.22E-03	1.00E-03
745	569905	4214942	1.51E-02	2.31E-03	1.04E-03
746	569909.6	4214951	1.58E-02	2.41E-03	1.09E-03
747	569914.3	4214959	1.66E-02	2.54E-03	1.15E-03
748	569919	4214968	1.77E-02	2.70E-03	1.22E-03
749	569923.7	4214976	1.88E-02	2.87E-03	1.30E-03
750	569928.3	4214985	2.01E-02	3.07E-03	1.38E-03
751	569933	4214993	2.16E-02	3.29E-03	1.49E-03
752	569877.5	4214913	1.35E-02	2.06E-03	9.32E-04
753	569882.2	4214922	1.39E-02	2.12E-03	9.58E-04
754	569886.9	4214930	1.43E-02	2.19E-03	9.88E-04
755	569891.5	4214939	1.49E-02	2.27E-03	1.02E-03
756	569896.2	4214947	1.55E-02	2.36E-03	1.07E-03
757	569900.9	4214956	1.62E-02	2.48E-03	1.12E-03
758	569905.5	4214964	1.72E-02	2.62E-03	1.18E-03
759	569910.2	4214973	1.82E-02	2.78E-03	1.26E-03
760	569914.9	4214981	1.94E-02	2.96E-03	1.34E-03
761	569919.6	4214990	2.08E-02	3.17E-03	1.43E-03
762	569924.2	4214998	2.24E-02	3.42E-03	1.54E-03
763	569928.9	4215007	2.42E-02	3.69E-03	1.67E-03
764	569868.7	4214918	1.38E-02	2.11E-03	9.50E-04
765	569873.4	4214926	1.42E-02	2.17E-03	9.78E-04
766	569878.1	4214935	1.46E-02	2.24E-03	1.01E-03
767	569882.8	4214943	1.52E-02	2.32E-03	1.05E-03
768	569887.4	4214952	1.59E-02	2.42E-03	1.09E-03
769	569892.1	4214960	1.67E-02	2.55E-03	1.15E-03
770	569896.8	4214969	1.77E-02	2.71E-03	1.22E-03
771	569901.5	4214977	1.88E-02	2.88E-03	1.30E-03
772	569906.1	4214986	2.01E-02	3.07E-03	1.38E-03
773	569910.8	4214994	2.16E-02	3.29E-03	1.49E-03
774	569915.5	4215003	2.33E-02	3.55E-03	1.60E-03

775	569920.2	4215011	2.52E-02	3.85E-03	1.74E-03
776	569860	4214923	1.41E-02	2.15E-03	9.71E-04
777	569864.7	4214931	1.45E-02	2.21E-03	9.98E-04
778	569869.3	4214940	1.50E-02	2.29E-03	1.03E-03
779	569874	4214948	1.56E-02	2.38E-03	1.07E-03
780	569878.7	4214957	1.63E-02	2.49E-03	1.12E-03
781	569883.3	4214965	1.73E-02	2.63E-03	1.19E-03
782	569888	4214974	1.83E-02	2.80E-03	1.26E-03
783	569892.7	4214982	1.95E-02	2.98E-03	1.34E-03
784	569897.4	4214991	2.08E-02	3.18E-03	1.44E-03
785	569902	4214999	2.24E-02	3.42E-03	1.54E-03
786	569906.7	4215008	2.42E-02	3.69E-03	1.67E-03
787	569911.4	4215016	2.62E-02	4.01E-03	1.81E-03
788	569851.2	4214927	1.44E-02	2.20E-03	9.93E-04
789	569855.9	4214936	1.48E-02	2.26E-03	1.02E-03
790	569860.6	4214944	1.53E-02	2.34E-03	1.06E-03
791	569865.2	4214953	1.60E-02	2.44E-03	1.10E-03
792	569869.9	4214961	1.68E-02	2.57E-03	1.16E-03
793	569874.6	4214970	1.78E-02	2.72E-03	1.23E-03
794	569879.3	4214978	1.89E-02	2.89E-03	1.30E-03
795	569883.9	4214987	2.01E-02	3.08E-03	1.39E-03
796	569888.6	4214996	2.16E-02	3.30E-03	1.49E-03
797	569893.3	4215004	2.33E-02	3.56E-03	1.61E-03
798	569898	4215013	2.52E-02	3.85E-03	1.74E-03
799	569902.6	4215021	2.73E-02	4.18E-03	1.88E-03
800	569842.5	4214932	1.47E-02	2.24E-03	1.01E-03
801	569847.1	4214941	1.51E-02	2.31E-03	1.04E-03
802	569851.8	4214949	1.57E-02	2.40E-03	1.08E-03
803	569856.5	4214958	1.64E-02	2.51E-03	1.13E-03
804	569861.1	4214966	1.74E-02	2.65E-03	1.20E-03
805	569865.8	4214975	1.84E-02	2.81E-03	1.27E-03
806	569870.5	4214983	1.96E-02	2.99E-03	1.35E-03
807	569875.2	4214992	2.09E-02	3.19E-03	1.44E-03
808	569879.8	4215000	2.25E-02	3.43E-03	1.55E-03
809	569884.5	4215009	2.42E-02	3.70E-03	1.67E-03
810	569889.2	4215017	2.62E-02	4.01E-03	1.81E-03
811	569893.9	4215026	2.85E-02	4.35E-03	1.96E-03
812	569833.7	4214937	1.50E-02	2.29E-03	1.03E-03
813	569838.4	4214946	1.55E-02	2.36E-03	1.07E-03
814	569843	4214954	1.61E-02	2.46E-03	1.11E-03
815	569847.7	4214963	1.69E-02	2.59E-03	1.17E-03
816	569852.4	4214971	1.79E-02	2.74E-03	1.23E-03
817	569857.1	4214980	1.90E-02	2.90E-03	1.31E-03
818	569861.7	4214988	2.02E-02	3.09E-03	1.39E-03
819	569866.4	4214997	2.17E-02	3.31E-03	1.49E-03
820	569871.1	4215005	2.33E-02	3.56E-03	1.61E-03
821	569875.8	4215014	2.52E-02	3.85E-03	1.74E-03
822	569880.4	4215022	2.73E-02	4.17E-03	1.88E-03
823	569885.1	4215031	2.97E-02	4.53E-03	2.05E-03
824	569941.2	4215133	1.79E-01	2.73E-02	1.23E-02
825	569945.9	4215141	1.99E-01	3.04E-02	1.37E-02
826	569950.6	4215150	2.19E-01	3.35E-02	1.51E-02

827	569824.9	4214942	1.53E-02	2.34E-03	1.06E-03
828	569829.6	4214950	1.59E-02	2.42E-03	1.09E-03
829	569834.3	4214959	1.66E-02	2.53E-03	1.14E-03
830	569838.9	4214967	1.75E-02	2.67E-03	1.20E-03
831	569843.6	4214976	1.85E-02	2.82E-03	1.27E-03
832	569848.3	4214984	1.96E-02	2.99E-03	1.35E-03
833	569853	4214993	2.09E-02	3.19E-03	1.44E-03
834	569857.6	4215001	2.25E-02	3.43E-03	1.55E-03
835	569862.3	4215010	2.42E-02	3.70E-03	1.67E-03
836	569867	4215018	2.62E-02	4.00E-03	1.80E-03
837	569871.7	4215027	2.83E-02	4.33E-03	1.95E-03
838	569876.3	4215035	3.08E-02	4.71E-03	2.12E-03
839	569927.8	4215129	1.54E-01	2.36E-02	1.06E-02
840	569932.4	4215137	1.72E-01	2.63E-02	1.19E-02
841	569937.1	4215146	1.89E-01	2.89E-02	1.31E-02
842	569941.8	4215154	2.07E-01	3.15E-02	1.42E-02
843	569816.2	4214947	1.57E-02	2.39E-03	1.08E-03
844	569820.8	4214955	1.63E-02	2.48E-03	1.12E-03
845	569825.5	4214964	1.71E-02	2.61E-03	1.18E-03
846	569830.2	4214972	1.80E-02	2.75E-03	1.24E-03
847	569834.9	4214981	1.90E-02	2.91E-03	1.31E-03
848	569839.5	4214989	2.02E-02	3.09E-03	1.39E-03
849	569844.2	4214998	2.16E-02	3.31E-03	1.49E-03
850	569848.9	4215006	2.33E-02	3.55E-03	1.60E-03
851	569853.6	4215015	2.51E-02	3.83E-03	1.73E-03
852	569858.2	4215023	2.71E-02	4.14E-03	1.87E-03
853	569862.9	4215032	2.94E-02	4.49E-03	2.02E-03
854	569914.3	4215125	1.28E-01	1.96E-02	8.84E-03
855	569919	4215134	1.51E-01	2.31E-02	1.04E-02
856	569923.7	4215142	1.65E-01	2.52E-02	1.14E-02
857	569928.4	4215151	1.80E-01	2.75E-02	1.24E-02
858	569933	4215159	1.95E-01	2.97E-02	1.34E-02
859	569802.7	4214943	1.56E-02	2.38E-03	1.07E-03
860	569807.4	4214952	1.61E-02	2.45E-03	1.11E-03
861	569812.1	4214960	1.67E-02	2.55E-03	1.15E-03
862	569816.7	4214969	1.76E-02	2.68E-03	1.21E-03
863	569821.4	4214977	1.85E-02	2.83E-03	1.28E-03
864	569826.1	4214986	1.96E-02	2.99E-03	1.35E-03
865	569830.8	4214994	2.09E-02	3.19E-03	1.44E-03
866	569835.4	4215003	2.24E-02	3.42E-03	1.54E-03
867	569840.1	4215011	2.41E-02	3.68E-03	1.66E-03
868	569844.8	4215020	2.60E-02	3.96E-03	1.79E-03
869	569849.5	4215028	2.80E-02	4.28E-03	1.93E-03
870	569854.1	4215037	3.04E-02	4.64E-03	2.09E-03
871	569905.6	4215130	1.27E-01	1.94E-02	8.75E-03
872	569910.2	4215139	1.47E-01	2.24E-02	1.01E-02
873	569914.9	4215147	1.58E-01	2.41E-02	1.09E-02
874	569919.6	4215156	1.71E-01	2.62E-02	1.18E-02
875	569924.3	4215164	1.84E-01	2.80E-02	1.27E-02
876	569792.9	4214939	1.54E-02	2.36E-03	1.06E-03
877	569794	4214948	1.59E-02	2.43E-03	1.10E-03
878	569798.6	4214956	1.65E-02	2.51E-03	1.13E-03

879	569803.3	4214965	1.72E-02	2.63E-03	1.19E-03
880	569808	4214973	1.81E-02	2.76E-03	1.24E-03
881	569812.7	4214982	1.90E-02	2.90E-03	1.31E-03
882	569817.3	4214990	2.02E-02	3.08E-03	1.39E-03
883	569822	4214999	2.16E-02	3.29E-03	1.49E-03
884	569826.7	4215007	2.31E-02	3.53E-03	1.59E-03
885	569831.4	4215016	2.48E-02	3.79E-03	1.71E-03
886	569836	4215024	2.68E-02	4.09E-03	1.84E-03
887	569840.7	4215033	2.89E-02	4.42E-03	1.99E-03
888	569896.8	4215135	1.26E-01	1.92E-02	8.66E-03
889	569901.5	4215143	1.42E-01	2.17E-02	9.78E-03
890	569906.2	4215152	1.51E-01	2.31E-02	1.04E-02
891	569910.8	4215160	1.63E-01	2.49E-02	1.12E-02
892	569915.5	4215169	1.73E-01	2.65E-02	1.19E-02
893	569784.2	4214944	1.58E-02	2.41E-03	1.09E-03
894	569783.1	4214935	1.54E-02	2.35E-03	1.06E-03
895	569789.9	4214961	1.69E-02	2.58E-03	1.17E-03
896	569794.5	4214970	1.77E-02	2.70E-03	1.22E-03
897	569799.2	4214978	1.86E-02	2.83E-03	1.28E-03
898	569803.9	4214987	1.96E-02	2.99E-03	1.35E-03
899	569808.6	4214995	2.08E-02	3.18E-03	1.43E-03
900	569813.2	4215004	2.22E-02	3.39E-03	1.53E-03
901	569817.9	4215012	2.38E-02	3.63E-03	1.64E-03
902	569822.6	4215021	2.56E-02	3.90E-03	1.76E-03
903	569827.3	4215029	2.75E-02	4.20E-03	1.90E-03
904	569831.9	4215038	2.97E-02	4.53E-03	2.05E-03
905	569888	4215140	1.23E-01	1.87E-02	8.45E-03
906	569892.7	4215148	1.37E-01	2.09E-02	9.41E-03
907	569897.4	4215157	1.44E-01	2.21E-02	9.96E-03
908	569902.1	4215165	1.55E-01	2.37E-02	1.07E-02
909	569906.7	4215174	1.63E-01	2.48E-02	1.12E-02
910	569775.3	4214948	1.61E-02	2.46E-03	1.11E-03
911	569774.2	4214939	1.56E-02	2.39E-03	1.08E-03
912	569773.1	4214929	1.53E-02	2.34E-03	1.05E-03
913	569776.4	4214958	1.67E-02	2.55E-03	1.15E-03
914	569781.1	4214966	1.74E-02	2.65E-03	1.20E-03
915	569785.8	4214975	1.81E-02	2.77E-03	1.25E-03
916	569790.5	4214983	1.91E-02	2.91E-03	1.31E-03
917	569795.1	4214992	2.01E-02	3.07E-03	1.39E-03
918	569799.8	4215000	2.14E-02	3.26E-03	1.47E-03
919	569804.5	4215009	2.28E-02	3.48E-03	1.57E-03
920	569809.2	4215017	2.44E-02	3.73E-03	1.68E-03
921	569813.8	4215026	2.62E-02	4.00E-03	1.81E-03
922	569818.5	4215034	2.82E-02	4.30E-03	1.94E-03
923	569823.2	4215043	3.04E-02	4.64E-03	2.09E-03
924	569879.3	4215145	1.18E-01	1.81E-02	8.16E-03
925	569884	4215153	1.31E-01	2.00E-02	9.01E-03
926	569888.6	4215162	1.38E-01	2.10E-02	9.48E-03
927	569893.3	4215170	1.46E-01	2.23E-02	1.01E-02
928	569898	4215179	1.52E-01	2.33E-02	1.05E-02
929	569766.6	4214953	1.65E-02	2.52E-03	1.14E-03
930	569765.5	4214944	1.60E-02	2.44E-03	1.10E-03

931	569764.4	4214934	1.56E-02	2.38E-03	1.08E-03
932	569763.3	4214925	1.53E-02	2.34E-03	1.06E-03
933	569777.2	4214821	9.11E-03	1.39E-03	6.28E-04
934	569782.9	4214813	8.71E-03	1.33E-03	6.00E-04
935	569767.7	4214962	1.71E-02	2.62E-03	1.18E-03
936	569772.3	4214971	1.78E-02	2.72E-03	1.23E-03
937	569777	4214979	1.86E-02	2.84E-03	1.28E-03
938	569781.7	4214988	1.95E-02	2.98E-03	1.35E-03
939	569786.4	4214996	2.06E-02	3.15E-03	1.42E-03
940	569791	4215005	2.19E-02	3.34E-03	1.51E-03
941	569795.7	4215013	2.33E-02	3.56E-03	1.61E-03
942	569800.4	4215022	2.49E-02	3.80E-03	1.72E-03
943	569805.1	4215030	2.67E-02	4.08E-03	1.84E-03
944	569809.7	4215039	2.87E-02	4.39E-03	1.98E-03
945	569814.4	4215047	3.10E-02	4.73E-03	2.13E-03
946	569819.1	4215056	3.34E-02	5.10E-03	2.30E-03
947	569870.5	4215149	1.12E-01	1.71E-02	7.72E-03
948	569875.2	4215158	1.24E-01	1.90E-02	8.58E-03
949	569879.9	4215166	1.34E-01	2.05E-02	9.24E-03
950	569884.5	4215175	1.37E-01	2.10E-02	9.47E-03
951	569889.2	4215183	1.43E-01	2.19E-02	9.86E-03
952	569757.8	4214958	1.69E-02	2.58E-03	1.16E-03
953	569756.7	4214949	1.64E-02	2.50E-03	1.13E-03
954	569755.7	4214940	1.59E-02	2.43E-03	1.10E-03
955	569754.6	4214930	1.56E-02	2.38E-03	1.08E-03
956	569753.5	4214921	1.54E-02	2.35E-03	1.06E-03
957	569750.4	4214841	9.99E-03	1.53E-03	6.89E-04
958	569756	4214833	9.57E-03	1.46E-03	6.60E-04
959	569767.2	4214818	8.89E-03	1.36E-03	6.12E-04
960	569772.8	4214811	8.54E-03	1.30E-03	5.88E-04
961	569784	4214796	7.98E-03	1.22E-03	5.50E-04
962	569758.9	4214967	1.76E-02	2.68E-03	1.21E-03
963	569763.6	4214976	1.83E-02	2.79E-03	1.26E-03
964	569768.3	4214984	1.91E-02	2.91E-03	1.31E-03
965	569772.9	4214993	2.01E-02	3.06E-03	1.38E-03
966	569777.6	4215001	2.12E-02	3.23E-03	1.46E-03
967	569782.3	4215010	2.24E-02	3.42E-03	1.54E-03
968	569787	4215018	2.38E-02	3.63E-03	1.64E-03
969	569791.6	4215027	2.54E-02	3.87E-03	1.75E-03
970	569796.3	4215035	2.72E-02	4.15E-03	1.87E-03
971	569801	4215044	2.92E-02	4.45E-03	2.01E-03
972	569805.7	4215052	3.13E-02	4.79E-03	2.16E-03
973	569810.3	4215061	3.37E-02	5.15E-03	2.32E-03
974	569861.8	4215154	1.03E-01	1.57E-02	7.11E-03
975	569866.4	4215163	1.16E-01	1.77E-02	7.99E-03
976	569871.1	4215171	1.26E-01	1.93E-02	8.70E-03
977	569875.8	4215180	1.33E-01	2.03E-02	9.18E-03
978	569880.5	4215188	1.35E-01	2.07E-02	9.34E-03
979	569749.1	4214963	1.73E-02	2.64E-03	1.19E-03
980	569748	4214954	1.67E-02	2.56E-03	1.15E-03
981	569746.9	4214945	1.63E-02	2.49E-03	1.12E-03
982	569745.9	4214936	1.59E-02	2.43E-03	1.10E-03

983	569744.8	4214927	1.56E-02	2.39E-03	1.08E-03
984	569743.7	4214918	1.54E-02	2.36E-03	1.06E-03
985	569736.2	4214854	1.09E-02	1.67E-03	7.52E-04
986	569740.7	4214838	9.83E-03	1.50E-03	6.77E-04
987	569746.2	4214831	9.42E-03	1.44E-03	6.49E-04
988	569757.3	4214816	8.70E-03	1.33E-03	6.00E-04
989	569768.3	4214802	8.13E-03	1.24E-03	5.60E-04
990	569779.4	4214787	7.68E-03	1.17E-03	5.29E-04
991	569750.1	4214972	1.80E-02	2.74E-03	1.24E-03
992	569754.8	4214980	1.87E-02	2.85E-03	1.29E-03
993	569759.5	4214989	1.95E-02	2.98E-03	1.35E-03
994	569764.2	4214997	2.05E-02	3.14E-03	1.42E-03
995	569768.8	4215006	2.16E-02	3.31E-03	1.49E-03
996	569773.5	4215014	2.29E-02	3.49E-03	1.58E-03
997	569778.2	4215023	2.43E-02	3.70E-03	1.67E-03
998	569782.9	4215031	2.58E-02	3.94E-03	1.78E-03
999	569787.5	4215040	2.75E-02	4.21E-03	1.90E-03
1000	569792.2	4215048	2.95E-02	4.50E-03	2.03E-03
1001	569796.9	4215057	3.16E-02	4.83E-03	2.18E-03
1002	569801.6	4215066	3.40E-02	5.19E-03	2.34E-03
1003	569806.2	4215074	3.65E-02	5.57E-03	2.51E-03
1004	569853	4215159	9.43E-02	1.44E-02	6.50E-03
1005	569857.7	4215168	1.07E-01	1.63E-02	7.36E-03
1006	569862.3	4215176	1.18E-01	1.80E-02	8.13E-03
1007	569867	4215185	1.26E-01	1.92E-02	8.68E-03
1008	569871.7	4215193	1.29E-01	1.97E-02	8.89E-03
1009	569740.2	4214967	1.77E-02	2.70E-03	1.22E-03
1010	569739.1	4214958	1.71E-02	2.61E-03	1.18E-03
1011	569738	4214948	1.66E-02	2.53E-03	1.14E-03
1012	569736.8	4214938	1.62E-02	2.47E-03	1.11E-03
1013	569735.7	4214929	1.58E-02	2.42E-03	1.09E-03
1014	569734.6	4214919	1.55E-02	2.37E-03	1.07E-03
1015	569727.8	4214862	1.14E-02	1.74E-03	7.87E-04
1016	569726.6	4214852	1.07E-02	1.64E-03	7.39E-04
1017	569731.4	4214835	9.66E-03	1.48E-03	6.66E-04
1018	569737.2	4214827	9.26E-03	1.41E-03	6.38E-04
1019	569743.1	4214820	8.87E-03	1.36E-03	6.12E-04
1020	569748.9	4214812	8.50E-03	1.30E-03	5.86E-04
1021	569754.8	4214804	8.18E-03	1.25E-03	5.64E-04
1022	569760.6	4214797	7.96E-03	1.22E-03	5.49E-04
1023	569766.5	4214789	7.74E-03	1.18E-03	5.33E-04
1024	569772.3	4214781	7.51E-03	1.15E-03	5.17E-04
1025	569741.4	4214977	1.84E-02	2.81E-03	1.27E-03
1026	569746.1	4214985	1.91E-02	2.91E-03	1.32E-03
1027	569750.7	4214994	2.00E-02	3.05E-03	1.38E-03
1028	569755.4	4215002	2.10E-02	3.21E-03	1.45E-03
1029	569760.1	4215011	2.21E-02	3.38E-03	1.52E-03
1030	569764.8	4215019	2.33E-02	3.57E-03	1.61E-03
1031	569769.4	4215028	2.47E-02	3.78E-03	1.70E-03
1032	569774.1	4215036	2.63E-02	4.01E-03	1.81E-03
1033	569778.8	4215045	2.79E-02	4.26E-03	1.92E-03
1034	569783.5	4215053	2.98E-02	4.55E-03	2.05E-03

1035	569788.1	4215062	3.19E-02	4.87E-03	2.20E-03
1036	569792.8	4215070	3.41E-02	5.21E-03	2.35E-03
1037	569797.5	4215079	3.65E-02	5.58E-03	2.52E-03
1038	569844.2	4215164	8.60E-02	1.31E-02	5.92E-03
1039	569848.9	4215172	9.94E-02	1.52E-02	6.85E-03
1040	569853.6	4215181	1.11E-01	1.70E-02	7.67E-03
1041	569858.3	4215189	1.20E-01	1.83E-02	8.25E-03
1042	569862.9	4215198	1.25E-01	1.90E-02	8.60E-03
1043	569731.5	4214972	1.81E-02	2.76E-03	1.25E-03
1044	569730.4	4214963	1.75E-02	2.67E-03	1.20E-03
1045	569729.3	4214953	1.70E-02	2.59E-03	1.17E-03
1046	569728.1	4214944	1.65E-02	2.52E-03	1.14E-03
1047	569727	4214934	1.62E-02	2.47E-03	1.11E-03
1048	569725.9	4214925	1.58E-02	2.42E-03	1.09E-03
1049	569724.8	4214916	1.54E-02	2.35E-03	1.06E-03
1050	569719.2	4214868	1.19E-02	1.82E-03	8.20E-04
1051	569718.1	4214859	1.12E-02	1.71E-03	7.72E-04
1052	569717	4214849	1.06E-02	1.62E-03	7.29E-04
1053	569721.6	4214832	9.56E-03	1.46E-03	6.59E-04
1054	569727.4	4214825	9.17E-03	1.40E-03	6.32E-04
1055	569733.2	4214817	8.81E-03	1.34E-03	6.07E-04
1056	569738.9	4214810	8.46E-03	1.29E-03	5.83E-04
1057	569744.7	4214802	8.17E-03	1.25E-03	5.63E-04
1058	569750.5	4214795	7.93E-03	1.21E-03	5.47E-04
1059	569756.2	4214787	7.70E-03	1.18E-03	5.31E-04
1060	569762	4214779	7.49E-03	1.14E-03	5.16E-04
1061	569767.8	4214772	7.33E-03	1.12E-03	5.05E-04
1062	569732.6	4214982	1.88E-02	2.87E-03	1.29E-03
1063	569737.3	4214990	1.95E-02	2.98E-03	1.35E-03
1064	569742	4214999	2.04E-02	3.12E-03	1.41E-03
1065	569746.6	4215007	2.14E-02	3.27E-03	1.48E-03
1066	569751.3	4215016	2.25E-02	3.44E-03	1.55E-03
1067	569756	4215024	2.38E-02	3.63E-03	1.64E-03
1068	569760.7	4215033	2.51E-02	3.84E-03	1.73E-03
1069	569765.3	4215041	2.66E-02	4.07E-03	1.83E-03
1070	569770	4215050	2.83E-02	4.32E-03	1.95E-03
1071	569774.7	4215058	3.01E-02	4.60E-03	2.07E-03
1072	569779.4	4215067	3.21E-02	4.90E-03	2.21E-03
1073	569784	4215075	3.42E-02	5.22E-03	2.36E-03
1074	569788.7	4215084	3.65E-02	5.57E-03	2.52E-03
1075	569793.4	4215092	3.90E-02	5.95E-03	2.68E-03
1076	569835.5	4215169	8.27E-02	1.26E-02	5.70E-03
1077	569840.1	4215177	9.49E-02	1.45E-02	6.54E-03
1078	569844.8	4215186	1.06E-01	1.63E-02	7.34E-03
1079	569849.5	4215194	1.15E-01	1.75E-02	7.91E-03
1080	569854.2	4215203	1.17E-01	1.79E-02	8.07E-03
1081	569722.8	4214977	1.85E-02	2.82E-03	1.27E-03
1082	569721.7	4214968	1.79E-02	2.73E-03	1.23E-03
1083	569720.5	4214958	1.73E-02	2.65E-03	1.20E-03
1084	569719.4	4214949	1.69E-02	2.58E-03	1.16E-03
1085	569718.3	4214940	1.65E-02	2.52E-03	1.13E-03
1086	569717.2	4214931	1.61E-02	2.46E-03	1.11E-03

1087	569716.1	4214921	1.57E-02	2.40E-03	1.08E-03
1088	569715	4214912	1.52E-02	2.32E-03	1.05E-03
1089	569711.7	4214884	1.32E-02	2.01E-03	9.07E-04
1090	569710.6	4214875	1.24E-02	1.89E-03	8.54E-04
1091	569709.5	4214865	1.17E-02	1.79E-03	8.07E-04
1092	569708.4	4214856	1.11E-02	1.69E-03	7.62E-04
1093	569707.3	4214847	1.05E-02	1.60E-03	7.22E-04
1094	569711.9	4214830	9.55E-03	1.46E-03	6.58E-04
1095	569717.6	4214822	9.14E-03	1.40E-03	6.30E-04
1096	569723.3	4214815	8.75E-03	1.34E-03	6.03E-04
1097	569729	4214807	8.41E-03	1.28E-03	5.80E-04
1098	569734.7	4214800	8.18E-03	1.25E-03	5.64E-04
1099	569740.4	4214793	7.96E-03	1.22E-03	5.49E-04
1100	569746.1	4214785	7.73E-03	1.18E-03	5.33E-04
1101	569751.8	4214778	7.50E-03	1.14E-03	5.17E-04
1102	569757.4	4214770	7.36E-03	1.12E-03	5.07E-04
1103	569763.1	4214763	7.25E-03	1.11E-03	5.00E-04
1104	569723.9	4214986	1.92E-02	2.92E-03	1.32E-03
1105	569728.5	4214995	2.00E-02	3.05E-03	1.38E-03
1106	569733.2	4215003	2.09E-02	3.18E-03	1.44E-03
1107	569737.9	4215012	2.18E-02	3.34E-03	1.51E-03
1108	569742.6	4215020	2.30E-02	3.51E-03	1.58E-03
1109	569747.2	4215029	2.42E-02	3.69E-03	1.67E-03
1110	569751.9	4215037	2.55E-02	3.89E-03	1.76E-03
1111	569756.6	4215046	2.69E-02	4.11E-03	1.85E-03
1112	569761.3	4215054	2.86E-02	4.36E-03	1.97E-03
1113	569765.9	4215063	3.03E-02	4.63E-03	2.09E-03
1114	569770.6	4215071	3.22E-02	4.92E-03	2.22E-03
1115	569775.3	4215080	3.43E-02	5.23E-03	2.36E-03
1116	569780	4215088	3.64E-02	5.56E-03	2.51E-03
1117	569784.6	4215097	3.87E-02	5.91E-03	2.67E-03
1118	569789.3	4215105	4.11E-02	6.28E-03	2.83E-03
1119	569826.7	4215173	8.04E-02	1.23E-02	5.54E-03
1120	569831.4	4215182	9.16E-02	1.40E-02	6.31E-03
1121	569836.1	4215190	1.02E-01	1.56E-02	7.04E-03
1122	569840.7	4215199	1.09E-01	1.66E-02	7.50E-03
1123	569845.4	4215207	1.10E-01	1.68E-02	7.60E-03
1124	569714	4214982	1.88E-02	2.87E-03	1.30E-03
1125	569712.9	4214973	1.82E-02	2.78E-03	1.25E-03
1126	569711.8	4214964	1.77E-02	2.70E-03	1.22E-03
1127	569710.7	4214954	1.72E-02	2.63E-03	1.19E-03
1128	569709.6	4214945	1.68E-02	2.57E-03	1.16E-03
1129	569708.6	4214936	1.64E-02	2.51E-03	1.13E-03
1130	569707.5	4214927	1.61E-02	2.45E-03	1.11E-03
1131	569706.4	4214918	1.55E-02	2.36E-03	1.07E-03
1132	569705.3	4214908	1.49E-02	2.27E-03	1.03E-03
1133	569704.2	4214899	1.43E-02	2.19E-03	9.87E-04
1134	569703.1	4214890	1.36E-02	2.07E-03	9.36E-04
1135	569702	4214881	1.28E-02	1.96E-03	8.85E-04
1136	569700.9	4214872	1.22E-02	1.86E-03	8.38E-04
1137	569699.8	4214862	1.15E-02	1.76E-03	7.95E-04
1138	569698.7	4214853	1.09E-02	1.67E-03	7.54E-04

1139	569697.6	4214844	1.04E-02	1.59E-03	7.17E-04
1140	569702.2	4214827	9.54E-03	1.46E-03	6.58E-04
1141	569707.8	4214820	9.16E-03	1.40E-03	6.31E-04
1142	569713.4	4214813	8.78E-03	1.34E-03	6.05E-04
1143	569719.1	4214805	8.43E-03	1.29E-03	5.81E-04
1144	569730.3	4214790	8.01E-03	1.22E-03	5.52E-04
1145	569735.9	4214783	7.80E-03	1.19E-03	5.37E-04
1146	569741.6	4214776	7.58E-03	1.16E-03	5.23E-04
1147	569752.8	4214761	7.32E-03	1.12E-03	5.05E-04
1148	569715.1	4214991	1.95E-02	2.98E-03	1.35E-03
1149	569719.8	4215000	2.03E-02	3.11E-03	1.40E-03
1150	569724.4	4215008	2.12E-02	3.24E-03	1.46E-03
1151	569729.1	4215017	2.22E-02	3.40E-03	1.53E-03
1152	569733.8	4215025	2.33E-02	3.56E-03	1.61E-03
1153	569738.5	4215034	2.45E-02	3.75E-03	1.69E-03
1154	569743.1	4215042	2.58E-02	3.94E-03	1.78E-03
1155	569747.8	4215051	2.72E-02	4.16E-03	1.88E-03
1156	569752.5	4215059	2.88E-02	4.39E-03	1.98E-03
1157	569757.2	4215068	3.05E-02	4.65E-03	2.10E-03
1158	569761.8	4215076	3.23E-02	4.93E-03	2.23E-03
1159	569766.5	4215085	3.43E-02	5.23E-03	2.36E-03
1160	569771.2	4215093	3.63E-02	5.55E-03	2.50E-03
1161	569775.9	4215102	3.85E-02	5.88E-03	2.65E-03
1162	569780.5	4215110	4.07E-02	6.22E-03	2.81E-03
1163	569817.9	4215178	7.79E-02	1.19E-02	5.37E-03
1164	569822.6	4215187	8.83E-02	1.35E-02	6.08E-03
1165	569827.3	4215195	9.80E-02	1.50E-02	6.75E-03
1166	569832	4215204	1.01E-01	1.55E-02	6.98E-03
1167	569836.6	4215212	1.03E-01	1.57E-02	7.09E-03
1168	569705.3	4214987	1.91E-02	2.92E-03	1.32E-03
1169	569704.2	4214978	1.85E-02	2.83E-03	1.28E-03
1170	569703.1	4214969	1.80E-02	2.75E-03	1.24E-03
1171	569702	4214960	1.76E-02	2.69E-03	1.21E-03
1172	569700.9	4214951	1.72E-02	2.62E-03	1.18E-03
1173	569699.9	4214941	1.67E-02	2.55E-03	1.15E-03
1174	569698.8	4214932	1.63E-02	2.50E-03	1.13E-03
1175	569697.7	4214923	1.59E-02	2.43E-03	1.09E-03
1176	569696.6	4214914	1.52E-02	2.32E-03	1.05E-03
1177	569695.5	4214905	1.46E-02	2.22E-03	1.00E-03
1178	569694.5	4214896	1.39E-02	2.13E-03	9.60E-04
1179	569693.4	4214887	1.32E-02	2.02E-03	9.11E-04
1180	569692.3	4214878	1.26E-02	1.92E-03	8.66E-04
1181	569691.2	4214868	1.20E-02	1.83E-03	8.25E-04
1182	569690.1	4214859	1.14E-02	1.74E-03	7.86E-04
1183	569689.1	4214850	1.09E-02	1.66E-03	7.49E-04
1184	569688	4214841	1.04E-02	1.58E-03	7.15E-04
1185	569692.5	4214825	9.57E-03	1.46E-03	6.59E-04
1186	569703.6	4214810	8.83E-03	1.35E-03	6.08E-04
1187	569714.7	4214796	8.32E-03	1.27E-03	5.73E-04
1188	569725.9	4214781	7.89E-03	1.20E-03	5.44E-04
1189	569731.5	4214774	7.72E-03	1.18E-03	5.32E-04
1190	569742.6	4214759	7.50E-03	1.15E-03	5.17E-04

1191	569706.3	4214996	1.99E-02	3.04E-03	1.37E-03
1192	569711	4215005	2.07E-02	3.16E-03	1.43E-03
1193	569715.7	4215013	2.16E-02	3.29E-03	1.49E-03
1194	569720.4	4215022	2.26E-02	3.45E-03	1.56E-03
1195	569725	4215030	2.37E-02	3.62E-03	1.63E-03
1196	569729.7	4215039	2.48E-02	3.79E-03	1.71E-03
1197	569734.4	4215047	2.61E-02	3.98E-03	1.80E-03
1198	569739.1	4215056	2.75E-02	4.20E-03	1.90E-03
1199	569743.7	4215064	2.90E-02	4.43E-03	2.00E-03
1200	569748.4	4215073	3.06E-02	4.68E-03	2.11E-03
1201	569753.1	4215081	3.23E-02	4.94E-03	2.23E-03
1202	569757.8	4215090	3.42E-02	5.22E-03	2.36E-03
1203	569762.4	4215098	3.62E-02	5.53E-03	2.49E-03
1204	569767.1	4215107	3.82E-02	5.84E-03	2.64E-03
1205	569771.8	4215115	4.04E-02	6.18E-03	2.79E-03
1206	569809.2	4215183	7.61E-02	1.16E-02	5.24E-03
1207	569813.8	4215192	8.49E-02	1.30E-02	5.85E-03
1208	569818.5	4215200	9.15E-02	1.40E-02	6.31E-03
1209	569823.2	4215209	9.44E-02	1.44E-02	6.50E-03
1210	569827.9	4215217	9.63E-02	1.47E-02	6.63E-03
1211	569696.4	4214991	1.94E-02	2.97E-03	1.34E-03
1212	569695.3	4214982	1.88E-02	2.87E-03	1.29E-03
1213	569694.2	4214972	1.82E-02	2.79E-03	1.26E-03
1214	569693.1	4214963	1.78E-02	2.72E-03	1.23E-03
1215	569691.9	4214953	1.74E-02	2.66E-03	1.20E-03
1216	569690.8	4214944	1.69E-02	2.58E-03	1.16E-03
1217	569689.7	4214934	1.64E-02	2.51E-03	1.13E-03
1218	569688.5	4214925	1.59E-02	2.43E-03	1.10E-03
1219	569687.4	4214915	1.52E-02	2.32E-03	1.05E-03
1220	569686.3	4214906	1.45E-02	2.22E-03	1.00E-03
1221	569685.2	4214896	1.39E-02	2.12E-03	9.57E-04
1222	569684	4214887	1.32E-02	2.01E-03	9.09E-04
1223	569682.9	4214877	1.26E-02	1.92E-03	8.66E-04
1224	569681.8	4214868	1.20E-02	1.83E-03	8.25E-04
1225	569680.6	4214858	1.14E-02	1.74E-03	7.87E-04
1226	569679.5	4214848	1.09E-02	1.66E-03	7.51E-04
1227	569678.4	4214839	1.04E-02	1.59E-03	7.18E-04
1228	569683.1	4214822	9.64E-03	1.47E-03	6.64E-04
1229	569688.9	4214814	9.23E-03	1.41E-03	6.36E-04
1230	569694.7	4214807	8.84E-03	1.35E-03	6.09E-04
1231	569700.5	4214799	8.63E-03	1.32E-03	5.95E-04
1232	569706.4	4214791	8.42E-03	1.29E-03	5.80E-04
1233	569712.2	4214784	8.20E-03	1.25E-03	5.65E-04
1234	569718	4214776	7.98E-03	1.22E-03	5.50E-04
1235	569723.8	4214768	7.86E-03	1.20E-03	5.41E-04
1236	569697.6	4215001	2.02E-02	3.08E-03	1.39E-03
1237	569702.2	4215009	2.10E-02	3.20E-03	1.45E-03
1238	569706.9	4215018	2.19E-02	3.34E-03	1.51E-03
1239	569711.6	4215026	2.29E-02	3.50E-03	1.58E-03
1240	569716.3	4215035	2.40E-02	3.66E-03	1.65E-03
1241	569720.9	4215043	2.51E-02	3.83E-03	1.73E-03
1242	569725.6	4215052	2.64E-02	4.03E-03	1.82E-03

1243	569730.3	4215060	2.78E-02	4.24E-03	1.91E-03
1244	569735	4215069	2.92E-02	4.46E-03	2.01E-03
1245	569739.6	4215077	3.08E-02	4.70E-03	2.12E-03
1246	569744.3	4215086	3.24E-02	4.95E-03	2.24E-03
1247	569749	4215094	3.42E-02	5.22E-03	2.36E-03
1248	569753.7	4215103	3.60E-02	5.50E-03	2.48E-03
1249	569758.3	4215111	3.80E-02	5.80E-03	2.62E-03
1250	569763	4215120	4.02E-02	6.13E-03	2.77E-03
1251	569800.4	4215188	7.46E-02	1.14E-02	5.14E-03
1252	569805.1	4215196	8.25E-02	1.26E-02	5.68E-03
1253	569809.8	4215205	8.58E-02	1.31E-02	5.91E-03
1254	569814.4	4215213	8.87E-02	1.35E-02	6.11E-03
1255	569819.1	4215222	9.09E-02	1.39E-02	6.26E-03
1256	569687.7	4214996	1.98E-02	3.02E-03	1.36E-03
1257	569686.6	4214987	1.91E-02	2.92E-03	1.32E-03
1258	569685.5	4214977	1.85E-02	2.83E-03	1.28E-03
1259	569684.3	4214968	1.81E-02	2.76E-03	1.24E-03
1260	569683.2	4214959	1.76E-02	2.69E-03	1.22E-03
1261	569682.1	4214949	1.71E-02	2.62E-03	1.18E-03
1262	569681	4214940	1.66E-02	2.54E-03	1.14E-03
1263	569679.9	4214930	1.61E-02	2.46E-03	1.11E-03
1264	569678.8	4214921	1.55E-02	2.36E-03	1.07E-03
1265	569677.7	4214912	1.48E-02	2.26E-03	1.02E-03
1266	569676.5	4214902	1.42E-02	2.17E-03	9.79E-04
1267	569675.4	4214893	1.36E-02	2.07E-03	9.36E-04
1268	569674.3	4214883	1.30E-02	1.98E-03	8.94E-04
1269	569673.2	4214874	1.24E-02	1.89E-03	8.54E-04
1270	569672.1	4214864	1.19E-02	1.81E-03	8.18E-04
1271	569671	4214855	1.14E-02	1.73E-03	7.83E-04
1272	569669.8	4214846	1.09E-02	1.66E-03	7.51E-04
1273	569668.7	4214836	1.05E-02	1.60E-03	7.21E-04
1274	569673.4	4214819	9.76E-03	1.49E-03	6.73E-04
1275	569679.1	4214812	9.36E-03	1.43E-03	6.45E-04
1276	569684.9	4214804	9.02E-03	1.38E-03	6.21E-04
1277	569690.6	4214797	8.82E-03	1.35E-03	6.08E-04
1278	569696.4	4214789	8.63E-03	1.32E-03	5.94E-04
1279	569688.8	4215006	2.05E-02	3.13E-03	1.41E-03
1280	569693.5	4215014	2.13E-02	3.25E-03	1.46E-03
1281	569698.2	4215023	2.22E-02	3.38E-03	1.53E-03
1282	569702.8	4215031	2.32E-02	3.54E-03	1.60E-03
1283	569707.5	4215040	2.42E-02	3.69E-03	1.67E-03
1284	569712.2	4215048	2.53E-02	3.87E-03	1.74E-03
1285	569716.9	4215057	2.66E-02	4.06E-03	1.83E-03
1286	569721.5	4215065	2.79E-02	4.27E-03	1.93E-03
1287	569726.2	4215074	2.93E-02	4.48E-03	2.02E-03
1288	569730.9	4215082	3.09E-02	4.72E-03	2.13E-03
1289	569735.6	4215091	3.25E-02	4.97E-03	2.24E-03
1290	569740.2	4215099	3.42E-02	5.23E-03	2.36E-03
1291	569744.9	4215108	3.60E-02	5.50E-03	2.48E-03
1292	569749.6	4215116	3.79E-02	5.79E-03	2.61E-03
1293	569754.3	4215125	3.99E-02	6.09E-03	2.75E-03
1294	569787	4215184	6.56E-02	1.00E-02	4.52E-03

1295	569791.6	4215193	7.28E-02	1.11E-02	5.02E-03
1296	569796.3	4215201	7.79E-02	1.19E-02	5.37E-03
1297	569801	4215210	8.12E-02	1.24E-02	5.60E-03
1298	569805.7	4215218	8.41E-02	1.28E-02	5.79E-03
1299	569810.3	4215227	8.62E-02	1.32E-02	5.94E-03
1300	569678.9	4215001	2.00E-02	3.06E-03	1.38E-03
1301	569677.8	4214992	1.94E-02	2.97E-03	1.34E-03
1302	569676.7	4214983	1.89E-02	2.88E-03	1.30E-03
1303	569675.6	4214973	1.84E-02	2.80E-03	1.27E-03
1304	569674.5	4214964	1.79E-02	2.73E-03	1.23E-03
1305	569673.4	4214955	1.74E-02	2.66E-03	1.20E-03
1306	569672.3	4214945	1.69E-02	2.57E-03	1.16E-03
1307	569671.2	4214936	1.63E-02	2.49E-03	1.12E-03
1308	569670.1	4214927	1.57E-02	2.40E-03	1.08E-03
1309	569669	4214917	1.51E-02	2.30E-03	1.04E-03
1310	569667.9	4214908	1.45E-02	2.21E-03	9.98E-04
1311	569666.8	4214899	1.39E-02	2.12E-03	9.59E-04
1312	569665.7	4214889	1.33E-02	2.04E-03	9.19E-04
1313	569664.6	4214880	1.28E-02	1.95E-03	8.81E-04
1314	569663.5	4214871	1.23E-02	1.87E-03	8.45E-04
1315	569662.4	4214861	1.18E-02	1.80E-03	8.12E-04
1316	569661.3	4214852	1.13E-02	1.73E-03	7.81E-04
1317	569660.2	4214843	1.09E-02	1.67E-03	7.53E-04
1318	569659.1	4214833	1.06E-02	1.61E-03	7.28E-04
1319	569680	4215011	2.07E-02	3.16E-03	1.43E-03
1320	569684.7	4215019	2.15E-02	3.28E-03	1.48E-03
1321	569689.4	4215028	2.24E-02	3.42E-03	1.54E-03
1322	569694.1	4215036	2.34E-02	3.57E-03	1.61E-03
1323	569698.7	4215045	2.44E-02	3.72E-03	1.68E-03
1324	569703.4	4215053	2.55E-02	3.90E-03	1.76E-03
1325	569708.1	4215062	2.68E-02	4.09E-03	1.85E-03
1326	569712.8	4215070	2.81E-02	4.29E-03	1.94E-03
1327	569717.4	4215079	2.95E-02	4.50E-03	2.03E-03
1328	569722.1	4215087	3.10E-02	4.73E-03	2.14E-03
1329	569726.8	4215096	3.26E-02	4.98E-03	2.25E-03
1330	569731.5	4215104	3.43E-02	5.24E-03	2.36E-03
1331	569736.1	4215113	3.61E-02	5.52E-03	2.49E-03
1332	569740.8	4215121	3.81E-02	5.81E-03	2.62E-03
1333	569773.5	4215181	6.04E-02	9.22E-03	4.16E-03
1334	569778.2	4215189	6.55E-02	1.00E-02	4.51E-03
1335	569782.9	4215198	7.06E-02	1.08E-02	4.87E-03
1336	569787.6	4215206	7.40E-02	1.13E-02	5.10E-03
1337	569792.2	4215215	7.73E-02	1.18E-02	5.33E-03
1338	569796.9	4215223	8.02E-02	1.22E-02	5.52E-03
1339	569801.6	4215232	7.95E-02	1.21E-02	5.48E-03
1340	569670.2	4215006	2.03E-02	3.10E-03	1.40E-03
1341	569669.1	4214997	1.97E-02	3.01E-03	1.36E-03
1342	569668	4214988	1.92E-02	2.93E-03	1.32E-03
1343	569666.9	4214978	1.87E-02	2.85E-03	1.29E-03
1344	569665.8	4214969	1.82E-02	2.78E-03	1.25E-03
1345	569664.7	4214960	1.77E-02	2.71E-03	1.22E-03
1346	569663.6	4214951	1.72E-02	2.62E-03	1.18E-03

1347	569662.5	4214941	1.65E-02	2.52E-03	1.14E-03
1348	569661.4	4214932	1.59E-02	2.43E-03	1.10E-03
1349	569660.4	4214923	1.53E-02	2.34E-03	1.06E-03
1350	569659.3	4214914	1.47E-02	2.25E-03	1.02E-03
1351	569658.2	4214905	1.42E-02	2.17E-03	9.77E-04
1352	569657.1	4214895	1.36E-02	2.08E-03	9.41E-04
1353	569656	4214886	1.31E-02	2.00E-03	9.04E-04
1354	569654.9	4214877	1.26E-02	1.93E-03	8.70E-04
1355	569653.8	4214868	1.22E-02	1.86E-03	8.38E-04
1356	569652.7	4214858	1.17E-02	1.79E-03	8.09E-04
1357	569651.6	4214849	1.14E-02	1.73E-03	7.82E-04
1358	569650.5	4214840	1.10E-02	1.68E-03	7.58E-04
1359	569671.3	4215015	2.09E-02	3.19E-03	1.44E-03
1360	569676	4215024	2.17E-02	3.32E-03	1.50E-03
1361	569680.6	4215032	2.26E-02	3.45E-03	1.56E-03
1362	569685.3	4215041	2.35E-02	3.59E-03	1.62E-03
1363	569690	4215049	2.46E-02	3.75E-03	1.69E-03
1364	569694.7	4215058	2.57E-02	3.93E-03	1.77E-03
1365	569699.3	4215066	2.69E-02	4.11E-03	1.86E-03
1366	569704	4215075	2.82E-02	4.31E-03	1.94E-03
1367	569708.7	4215083	2.96E-02	4.52E-03	2.04E-03
1368	569713.4	4215092	3.11E-02	4.75E-03	2.14E-03
1369	569718	4215100	3.27E-02	4.99E-03	2.25E-03
1370	569722.7	4215109	3.44E-02	5.26E-03	2.37E-03
1371	569727.4	4215117	3.64E-02	5.55E-03	2.51E-03
1372	569764.8	4215185	6.10E-02	9.31E-03	4.20E-03
1373	569769.4	4215194	6.60E-02	1.01E-02	4.55E-03
1374	569774.1	4215202	6.88E-02	1.05E-02	4.74E-03
1375	569778.8	4215211	7.11E-02	1.09E-02	4.90E-03
1376	569783.5	4215219	7.39E-02	1.13E-02	5.10E-03
1377	569788.1	4215228	7.58E-02	1.16E-02	5.22E-03
1378	569792.8	4215236	7.31E-02	1.12E-02	5.04E-03
1379	569661.4	4215011	2.04E-02	3.12E-03	1.41E-03
1380	569660.2	4215001	1.98E-02	3.03E-03	1.37E-03
1381	569659.1	4214991	1.93E-02	2.95E-03	1.33E-03
1382	569658	4214982	1.88E-02	2.87E-03	1.30E-03
1383	569656.8	4214972	1.82E-02	2.78E-03	1.26E-03
1384	569655.7	4214963	1.76E-02	2.69E-03	1.22E-03
1385	569654.6	4214953	1.71E-02	2.60E-03	1.18E-03
1386	569653.4	4214943	1.64E-02	2.51E-03	1.13E-03
1387	569652.3	4214934	1.58E-02	2.42E-03	1.09E-03
1388	569651.2	4214924	1.53E-02	2.33E-03	1.05E-03
1389	569650	4214915	1.47E-02	2.24E-03	1.01E-03
1390	569648.9	4214905	1.41E-02	2.16E-03	9.73E-04
1391	569647.8	4214896	1.36E-02	2.08E-03	9.37E-04
1392	569646.6	4214886	1.31E-02	2.00E-03	9.02E-04
1393	569645.5	4214876	1.26E-02	1.93E-03	8.69E-04
1394	569644.4	4214867	1.22E-02	1.86E-03	8.39E-04
1395	569643.2	4214857	1.18E-02	1.80E-03	8.12E-04
1396	569662.5	4215020	2.11E-02	3.22E-03	1.46E-03
1397	569667.2	4215029	2.19E-02	3.35E-03	1.51E-03
1398	569671.9	4215037	2.28E-02	3.48E-03	1.57E-03

1399	569676.5	4215046	2.37E-02	3.61E-03	1.63E-03
1400	569681.2	4215054	2.47E-02	3.78E-03	1.70E-03
1401	569685.9	4215063	2.59E-02	3.95E-03	1.78E-03
1402	569690.6	4215071	2.70E-02	4.13E-03	1.86E-03
1403	569695.2	4215080	2.83E-02	4.33E-03	1.95E-03
1404	569699.9	4215088	2.98E-02	4.54E-03	2.05E-03
1405	569704.6	4215097	3.13E-02	4.77E-03	2.15E-03
1406	569709.3	4215105	3.28E-02	5.01E-03	2.26E-03
1407	569713.9	4215114	3.46E-02	5.28E-03	2.38E-03
1408	569718.6	4215122	3.66E-02	5.59E-03	2.52E-03
1409	569751.3	4215182	5.71E-02	8.72E-03	3.93E-03
1410	569756	4215190	6.14E-02	9.37E-03	4.23E-03
1411	569760.7	4215199	6.51E-02	9.94E-03	4.48E-03
1412	569765.4	4215207	6.66E-02	1.02E-02	4.59E-03
1413	569770	4215216	6.85E-02	1.05E-02	4.72E-03
1414	569774.7	4215224	7.08E-02	1.08E-02	4.88E-03
1415	569779.4	4215233	6.96E-02	1.06E-02	4.80E-03
1416	569784.1	4215241	6.69E-02	1.02E-02	4.61E-03
1417	569652.6	4215015	2.06E-02	3.14E-03	1.42E-03
1418	569651.5	4215006	2.00E-02	3.05E-03	1.38E-03
1419	569650.4	4214997	1.95E-02	2.97E-03	1.34E-03
1420	569649.3	4214987	1.90E-02	2.90E-03	1.31E-03
1421	569648.1	4214978	1.84E-02	2.80E-03	1.27E-03
1422	569647	4214968	1.77E-02	2.71E-03	1.22E-03
1423	569645.9	4214959	1.71E-02	2.62E-03	1.18E-03
1424	569644.8	4214949	1.65E-02	2.53E-03	1.14E-03
1425	569643.6	4214940	1.60E-02	2.44E-03	1.10E-03
1426	569642.5	4214930	1.54E-02	2.35E-03	1.06E-03
1427	569641.4	4214921	1.49E-02	2.27E-03	1.03E-03
1428	569640.3	4214911	1.43E-02	2.19E-03	9.88E-04
1429	569639.1	4214902	1.38E-02	2.11E-03	9.53E-04
1430	569638	4214892	1.34E-02	2.04E-03	9.20E-04
1431	569636.9	4214883	1.29E-02	1.97E-03	8.89E-04
1432	569635.8	4214873	1.25E-02	1.91E-03	8.60E-04
1433	569634.7	4214864	1.21E-02	1.85E-03	8.35E-04
1434	569653.8	4215025	2.13E-02	3.25E-03	1.47E-03
1435	569658.4	4215033	2.21E-02	3.37E-03	1.52E-03
1436	569663.1	4215042	2.29E-02	3.50E-03	1.58E-03
1437	569667.8	4215050	2.38E-02	3.64E-03	1.64E-03
1438	569672.5	4215059	2.48E-02	3.79E-03	1.71E-03
1439	569677.1	4215067	2.59E-02	3.96E-03	1.79E-03
1440	569681.8	4215076	2.71E-02	4.13E-03	1.86E-03
1441	569686.5	4215084	2.84E-02	4.34E-03	1.96E-03
1442	569691.2	4215093	2.99E-02	4.56E-03	2.06E-03
1443	569695.8	4215101	3.14E-02	4.80E-03	2.16E-03
1444	569700.5	4215110	3.30E-02	5.03E-03	2.27E-03
1445	569737.9	4215178	5.37E-02	8.20E-03	3.70E-03
1446	569742.6	4215187	5.75E-02	8.77E-03	3.96E-03
1447	569747.2	4215195	6.16E-02	9.41E-03	4.25E-03
1448	569751.9	4215204	6.29E-02	9.61E-03	4.34E-03
1449	569756.6	4215212	6.40E-02	9.77E-03	4.41E-03
1450	569761.3	4215221	6.55E-02	1.00E-02	4.51E-03

1451	569765.9	4215229	6.60E-02	1.01E-02	4.55E-03
1452	569770.6	4215238	6.37E-02	9.73E-03	4.39E-03
1453	569775.3	4215246	6.14E-02	9.37E-03	4.23E-03
1454	569643.9	4215020	2.07E-02	3.16E-03	1.43E-03
1455	569642.8	4215011	2.01E-02	3.07E-03	1.39E-03
1456	569641.7	4215002	1.96E-02	2.99E-03	1.35E-03
1457	569640.5	4214992	1.91E-02	2.91E-03	1.32E-03
1458	569639.4	4214983	1.86E-02	2.83E-03	1.28E-03
1459	569638.3	4214973	1.79E-02	2.73E-03	1.23E-03
1460	569637.2	4214964	1.73E-02	2.64E-03	1.19E-03
1461	569636.1	4214955	1.66E-02	2.54E-03	1.15E-03
1462	569635	4214945	1.61E-02	2.46E-03	1.11E-03
1463	569633.9	4214936	1.56E-02	2.37E-03	1.07E-03
1464	569632.7	4214926	1.51E-02	2.30E-03	1.04E-03
1465	569631.6	4214917	1.45E-02	2.22E-03	1.00E-03
1466	569630.5	4214908	1.41E-02	2.15E-03	9.69E-04
1467	569629.4	4214898	1.36E-02	2.08E-03	9.37E-04
1468	569628.3	4214889	1.32E-02	2.01E-03	9.09E-04
1469	569627.2	4214879	1.28E-02	1.95E-03	8.82E-04
1470	569626.1	4214870	1.24E-02	1.90E-03	8.57E-04
1471	569645	4215030	2.14E-02	3.27E-03	1.48E-03
1472	569649.7	4215038	2.22E-02	3.39E-03	1.53E-03
1473	569654.3	4215047	2.30E-02	3.51E-03	1.58E-03
1474	569659	4215055	2.39E-02	3.65E-03	1.65E-03
1475	569663.7	4215064	2.49E-02	3.80E-03	1.72E-03
1476	569668.4	4215072	2.59E-02	3.96E-03	1.79E-03
1477	569673	4215081	2.71E-02	4.14E-03	1.87E-03
1478	569677.7	4215089	2.84E-02	4.34E-03	1.96E-03
1479	569682.4	4215098	2.99E-02	4.56E-03	2.06E-03
1480	569687.1	4215106	3.14E-02	4.80E-03	2.17E-03
1481	569691.7	4215115	3.30E-02	5.04E-03	2.27E-03
1482	569724.5	4215174	5.08E-02	7.75E-03	3.50E-03
1483	569729.1	4215183	5.41E-02	8.25E-03	3.72E-03
1484	569733.8	4215191	5.76E-02	8.80E-03	3.97E-03
1485	569738.5	4215200	6.01E-02	9.18E-03	4.14E-03
1486	569743.2	4215208	6.08E-02	9.28E-03	4.19E-03
1487	569747.8	4215217	6.15E-02	9.40E-03	4.24E-03
1488	569752.5	4215225	6.23E-02	9.52E-03	4.30E-03
1489	569757.2	4215234	6.06E-02	9.26E-03	4.18E-03
1490	569761.9	4215242	5.87E-02	8.96E-03	4.04E-03
1491	569766.5	4215251	5.67E-02	8.66E-03	3.91E-03
1492	569635.1	4215025	2.09E-02	3.19E-03	1.44E-03
1493	569634	4215016	2.02E-02	3.09E-03	1.39E-03
1494	569632.9	4215007	1.97E-02	3.01E-03	1.36E-03
1495	569631.8	4214997	1.92E-02	2.93E-03	1.32E-03
1496	569630.7	4214988	1.87E-02	2.85E-03	1.29E-03
1497	569629.6	4214979	1.80E-02	2.75E-03	1.24E-03
1498	569628.5	4214969	1.74E-02	2.66E-03	1.20E-03
1499	569627.4	4214960	1.68E-02	2.56E-03	1.16E-03
1500	569626.3	4214951	1.62E-02	2.48E-03	1.12E-03
1501	569625.2	4214941	1.57E-02	2.40E-03	1.08E-03
1502	569624.1	4214932	1.52E-02	2.33E-03	1.05E-03

1503	569623	4214923	1.48E-02	2.25E-03	1.02E-03
1504	569621.9	4214913	1.43E-02	2.18E-03	9.85E-04
1505	569620.8	4214904	1.38E-02	2.11E-03	9.54E-04
1506	569619.7	4214895	1.34E-02	2.05E-03	9.26E-04
1507	569618.6	4214885	1.31E-02	2.00E-03	9.01E-04
1508	569636.2	4215035	2.15E-02	3.28E-03	1.48E-03
1509	569640.9	4215043	2.22E-02	3.39E-03	1.53E-03
1510	569645.6	4215052	2.31E-02	3.52E-03	1.59E-03
1511	569650.3	4215060	2.40E-02	3.66E-03	1.65E-03
1512	569654.9	4215069	2.49E-02	3.81E-03	1.72E-03
1513	569659.6	4215077	2.59E-02	3.96E-03	1.79E-03
1514	569664.3	4215086	2.71E-02	4.14E-03	1.87E-03
1515	569669	4215094	2.84E-02	4.34E-03	1.96E-03
1516	569673.6	4215103	2.98E-02	4.55E-03	2.05E-03
1517	569678.3	4215111	3.13E-02	4.77E-03	2.15E-03
1518	569683	4215120	3.28E-02	5.00E-03	2.26E-03
1519	569711	4215171	4.60E-02	7.02E-03	3.17E-03
1520	569715.7	4215179	4.97E-02	7.59E-03	3.43E-03
1521	569720.4	4215188	5.37E-02	8.20E-03	3.70E-03
1522	569725	4215196	5.76E-02	8.80E-03	3.97E-03
1523	569729.7	4215205	5.81E-02	8.87E-03	4.00E-03
1524	569734.4	4215213	5.86E-02	8.95E-03	4.04E-03
1525	569739.1	4215222	5.92E-02	9.04E-03	4.08E-03
1526	569743.7	4215230	5.84E-02	8.92E-03	4.02E-03
1527	569748.4	4215239	5.63E-02	8.59E-03	3.88E-03
1528	569753.1	4215247	5.43E-02	8.30E-03	3.75E-03
1529	569757.8	4215256	5.28E-02	8.06E-03	3.64E-03
1530	569626.3	4215030	2.09E-02	3.19E-03	1.44E-03
1531	569625.2	4215020	2.02E-02	3.09E-03	1.39E-03
1532	569624	4215011	1.96E-02	3.00E-03	1.35E-03
1533	569622.9	4215001	1.91E-02	2.91E-03	1.31E-03
1534	569621.8	4214991	1.85E-02	2.83E-03	1.28E-03
1535	569620.6	4214982	1.80E-02	2.74E-03	1.24E-03
1536	569619.5	4214972	1.73E-02	2.64E-03	1.19E-03
1537	569618.3	4214962	1.67E-02	2.55E-03	1.15E-03
1538	569617.2	4214953	1.61E-02	2.46E-03	1.11E-03
1539	569616.1	4214943	1.56E-02	2.39E-03	1.08E-03
1540	569614.9	4214933	1.52E-02	2.32E-03	1.05E-03
1541	569613.8	4214924	1.47E-02	2.25E-03	1.01E-03
1542	569612.6	4214914	1.43E-02	2.18E-03	9.82E-04
1543	569611.5	4214905	1.38E-02	2.11E-03	9.52E-04
1544	569610.4	4214895	1.34E-02	2.05E-03	9.25E-04
1545	569627.5	4215039	2.15E-02	3.28E-03	1.48E-03
1546	569632.1	4215048	2.23E-02	3.40E-03	1.53E-03
1547	569636.8	4215056	2.31E-02	3.53E-03	1.59E-03
1548	569641.5	4215065	2.40E-02	3.66E-03	1.65E-03
1549	569646.2	4215073	2.49E-02	3.80E-03	1.71E-03
1550	569650.8	4215082	2.59E-02	3.96E-03	1.79E-03
1551	569655.5	4215090	2.71E-02	4.14E-03	1.87E-03
1552	569660.2	4215099	2.84E-02	4.33E-03	1.95E-03
1553	569664.9	4215107	2.97E-02	4.54E-03	2.05E-03
1554	569669.5	4215116	3.11E-02	4.74E-03	2.14E-03

1555	569674.2	4215124	3.25E-02	4.96E-03	2.24E-03
1556	569688.2	4215150	3.75E-02	5.73E-03	2.59E-03
1557	569692.9	4215158	3.94E-02	6.02E-03	2.72E-03
1558	569697.6	4215167	4.17E-02	6.37E-03	2.88E-03
1559	569702.3	4215175	4.50E-02	6.87E-03	3.10E-03
1560	569706.9	4215184	4.86E-02	7.43E-03	3.35E-03
1561	569711.6	4215192	5.25E-02	8.02E-03	3.62E-03
1562	569716.3	4215201	5.50E-02	8.40E-03	3.79E-03
1563	569721	4215209	5.59E-02	8.54E-03	3.85E-03
1564	569725.6	4215218	5.64E-02	8.61E-03	3.89E-03
1565	569730.3	4215226	5.67E-02	8.67E-03	3.91E-03
1566	569735	4215235	5.44E-02	8.31E-03	3.75E-03
1567	569739.7	4215243	5.24E-02	8.01E-03	3.61E-03
1568	569744.3	4215252	5.07E-02	7.74E-03	3.49E-03
1569	569749	4215260	4.93E-02	7.53E-03	3.40E-03
1570	569984.8	4215238	2.71E-01	4.13E-02	1.87E-02
1571	569985.1	4215248	2.49E-01	3.80E-02	1.72E-02
1572	569985.4	4215257	2.27E-01	3.46E-02	1.56E-02
1573	569985.7	4215267	2.04E-01	3.11E-02	1.40E-02
1574	569986	4215277	1.83E-01	2.80E-02	1.26E-02
1575	569986.3	4215287	1.67E-01	2.54E-02	1.15E-02
1576	569986.7	4215296	1.63E-01	2.48E-02	1.12E-02
1577	569987	4215306	1.61E-01	2.45E-02	1.11E-02
1578	569987.3	4215316	1.60E-01	2.45E-02	1.11E-02
1579	569987.6	4215325	1.66E-01	2.53E-02	1.14E-02
1580	569987.9	4215335	1.73E-01	2.64E-02	1.19E-02
1581	569988.2	4215345	1.84E-01	2.81E-02	1.27E-02
1582	569988.6	4215354	1.83E-01	2.79E-02	1.26E-02
1583	569988.9	4215364	1.78E-01	2.72E-02	1.23E-02
1584	569989.2	4215374	1.78E-01	2.72E-02	1.23E-02
1585	569973.5	4215200	2.94E-01	4.49E-02	2.02E-02
1586	569973.8	4215209	2.83E-01	4.33E-02	1.95E-02
1587	569974.1	4215219	2.67E-01	4.08E-02	1.84E-02
1588	569974.5	4215229	2.50E-01	3.81E-02	1.72E-02
1589	569974.8	4215238	2.34E-01	3.57E-02	1.61E-02
1590	569975.1	4215248	2.17E-01	3.31E-02	1.49E-02
1591	569975.4	4215258	1.99E-01	3.04E-02	1.37E-02
1592	569975.7	4215267	1.81E-01	2.76E-02	1.25E-02
1593	569976	4215277	1.64E-01	2.51E-02	1.13E-02
1594	569976.4	4215287	1.52E-01	2.31E-02	1.04E-02
1595	569976.7	4215297	1.49E-01	2.28E-02	1.03E-02
1596	569977	4215306	1.48E-01	2.26E-02	1.02E-02
1597	569977.3	4215316	1.48E-01	2.26E-02	1.02E-02
1598	569977.6	4215326	1.54E-01	2.34E-02	1.06E-02
1599	569977.9	4215335	1.60E-01	2.45E-02	1.10E-02
1600	569978.2	4215345	1.72E-01	2.62E-02	1.18E-02
1601	569978.6	4215355	1.71E-01	2.61E-02	1.18E-02
1602	569978.9	4215364	1.69E-01	2.58E-02	1.16E-02
1603	569979.2	4215374	1.75E-01	2.68E-02	1.21E-02
1604	569962.6	4215171	2.68E-01	4.09E-02	1.85E-02
1605	569962.9	4215181	2.71E-01	4.13E-02	1.87E-02
1606	569963.2	4215190	2.67E-01	4.08E-02	1.84E-02

1607	569963.5	4215200	2.60E-01	3.97E-02	1.79E-02
1608	569963.8	4215210	2.47E-01	3.77E-02	1.70E-02
1609	569964.2	4215219	2.30E-01	3.52E-02	1.59E-02
1610	569964.5	4215229	2.14E-01	3.27E-02	1.48E-02
1611	569964.8	4215239	2.02E-01	3.09E-02	1.39E-02
1612	569965.1	4215248	1.90E-01	2.90E-02	1.31E-02
1613	569965.4	4215258	1.77E-01	2.70E-02	1.22E-02
1614	569965.7	4215268	1.62E-01	2.47E-02	1.11E-02
1615	569966	4215277	1.48E-01	2.27E-02	1.02E-02
1616	569966.4	4215287	1.38E-01	2.11E-02	9.54E-03
1617	569966.7	4215297	1.37E-01	2.09E-02	9.44E-03
1618	569967	4215307	1.36E-01	2.08E-02	9.40E-03
1619	569967.3	4215316	1.37E-01	2.09E-02	9.43E-03
1620	569967.6	4215326	1.43E-01	2.18E-02	9.83E-03
1621	569967.9	4215336	1.49E-01	2.28E-02	1.03E-02
1622	569968.2	4215345	1.57E-01	2.40E-02	1.08E-02
1623	569968.6	4215355	1.57E-01	2.40E-02	1.08E-02
1624	569968.9	4215365	1.61E-01	2.46E-02	1.11E-02
1625	569969.2	4215374	1.74E-01	2.66E-02	1.20E-02
1626	569952.3	4215162	2.34E-01	3.57E-02	1.61E-02
1627	569952.6	4215171	2.41E-01	3.68E-02	1.66E-02
1628	569952.9	4215181	2.43E-01	3.71E-02	1.67E-02
1629	569953.2	4215191	2.39E-01	3.65E-02	1.65E-02
1630	569953.5	4215200	2.33E-01	3.55E-02	1.60E-02
1631	569953.8	4215210	2.20E-01	3.35E-02	1.51E-02
1632	569954.2	4215220	2.03E-01	3.11E-02	1.40E-02
1633	569954.5	4215229	1.88E-01	2.88E-02	1.30E-02
1634	569954.8	4215239	1.78E-01	2.72E-02	1.23E-02
1635	569955.1	4215249	1.68E-01	2.56E-02	1.15E-02
1636	569955.4	4215258	1.57E-01	2.40E-02	1.08E-02
1637	569955.7	4215268	1.46E-01	2.23E-02	1.01E-02
1638	569956	4215278	1.36E-01	2.08E-02	9.40E-03
1639	569956.4	4215287	1.29E-01	1.97E-02	8.90E-03
1640	569956.7	4215297	1.28E-01	1.95E-02	8.81E-03
1641	569957	4215307	1.27E-01	1.94E-02	8.77E-03
1642	569957.3	4215317	1.28E-01	1.95E-02	8.79E-03
1643	569957.6	4215326	1.32E-01	2.02E-02	9.12E-03
1644	569957.9	4215336	1.38E-01	2.10E-02	9.49E-03
1645	569958.3	4215346	1.44E-01	2.20E-02	9.94E-03
1646	569958.6	4215355	1.46E-01	2.23E-02	1.00E-02
1647	569958.9	4215365	1.53E-01	2.33E-02	1.05E-02
1648	569959.2	4215375	1.72E-01	2.63E-02	1.19E-02
1649	569942.6	4215172	2.19E-01	3.34E-02	1.51E-02
1650	569942.9	4215181	2.20E-01	3.36E-02	1.52E-02
1651	569943.2	4215191	2.19E-01	3.35E-02	1.51E-02
1652	569943.5	4215201	2.10E-01	3.20E-02	1.44E-02
1653	569943.8	4215210	1.96E-01	3.00E-02	1.35E-02
1654	569944.2	4215220	1.81E-01	2.76E-02	1.25E-02
1655	569944.5	4215230	1.67E-01	2.55E-02	1.15E-02
1656	569944.8	4215239	1.58E-01	2.41E-02	1.09E-02
1657	569945.1	4215249	1.49E-01	2.27E-02	1.02E-02
1658	569945.4	4215259	1.40E-01	2.14E-02	9.66E-03

1659	569945.7	4215268	1.33E-01	2.03E-02	9.15E-03
1660	569946.1	4215278	1.26E-01	1.93E-02	8.71E-03
1661	569946.4	4215288	1.21E-01	1.85E-02	8.37E-03
1662	569946.7	4215297	1.20E-01	1.83E-02	8.27E-03
1663	569947	4215307	1.19E-01	1.82E-02	8.22E-03
1664	569947.3	4215317	1.19E-01	1.82E-02	8.22E-03
1665	569947.6	4215327	1.23E-01	1.88E-02	8.46E-03
1666	569947.9	4215336	1.27E-01	1.94E-02	8.74E-03
1667	569948.3	4215346	1.32E-01	2.01E-02	9.08E-03
1668	569948.6	4215356	1.35E-01	2.06E-02	9.30E-03
1669	569948.9	4215365	1.45E-01	2.21E-02	1.00E-02
1670	569949.2	4215375	1.72E-01	2.62E-02	1.18E-02
1671	569932.6	4215172	2.00E-01	3.06E-02	1.38E-02
1672	569932.9	4215182	2.01E-01	3.06E-02	1.38E-02
1673	569933.2	4215191	2.00E-01	3.05E-02	1.38E-02
1674	569933.5	4215201	1.90E-01	2.90E-02	1.31E-02
1675	569933.9	4215211	1.77E-01	2.70E-02	1.22E-02
1676	569934.2	4215220	1.61E-01	2.47E-02	1.11E-02
1677	569934.5	4215230	1.49E-01	2.27E-02	1.03E-02
1678	569934.8	4215240	1.41E-01	2.15E-02	9.69E-03
1679	569935.1	4215249	1.33E-01	2.03E-02	9.15E-03
1680	569935.4	4215259	1.26E-01	1.93E-02	8.69E-03
1681	569935.7	4215269	1.22E-01	1.86E-02	8.38E-03
1682	569936.1	4215278	1.18E-01	1.79E-02	8.10E-03
1683	569936.4	4215288	1.14E-01	1.75E-02	7.88E-03
1684	569936.7	4215298	1.13E-01	1.72E-02	7.78E-03
1685	569937	4215307	1.12E-01	1.71E-02	7.71E-03
1686	569937.3	4215317	1.12E-01	1.71E-02	7.70E-03
1687	569937.6	4215327	1.14E-01	1.74E-02	7.87E-03
1688	569937.9	4215336	1.17E-01	1.79E-02	8.09E-03
1689	569938.3	4215346	1.22E-01	1.86E-02	8.40E-03
1690	569938.6	4215356	1.27E-01	1.94E-02	8.75E-03
1691	569938.9	4215366	1.40E-01	2.14E-02	9.67E-03
1692	569939.2	4215375	1.73E-01	2.65E-02	1.19E-02
1693	569922.9	4215182	1.84E-01	2.81E-02	1.27E-02
1694	569923.2	4215192	1.85E-01	2.82E-02	1.27E-02
1695	569923.5	4215201	1.76E-01	2.69E-02	1.22E-02
1696	569923.9	4215211	1.64E-01	2.50E-02	1.13E-02
1697	569924.2	4215221	1.48E-01	2.27E-02	1.02E-02
1698	569924.5	4215230	1.36E-01	2.08E-02	9.39E-03
1699	569924.8	4215240	1.28E-01	1.96E-02	8.84E-03
1700	569925.1	4215250	1.21E-01	1.85E-02	8.33E-03
1701	569925.4	4215259	1.15E-01	1.76E-02	7.93E-03
1702	569925.7	4215269	1.12E-01	1.71E-02	7.70E-03
1703	569926.1	4215279	1.09E-01	1.66E-02	7.49E-03
1704	569926.4	4215288	1.06E-01	1.62E-02	7.33E-03
1705	569926.7	4215298	1.05E-01	1.60E-02	7.24E-03
1706	569927	4215308	1.04E-01	1.59E-02	7.17E-03
1707	569927.3	4215317	1.04E-01	1.59E-02	7.16E-03
1708	569927.6	4215327	1.06E-01	1.62E-02	7.33E-03
1709	569928	4215337	1.10E-01	1.67E-02	7.55E-03
1710	569928.3	4215346	1.15E-01	1.75E-02	7.89E-03

1711	569928.6	4215356	1.21E-01	1.85E-02	8.35E-03
1712	569928.9	4215366	1.37E-01	2.09E-02	9.42E-03
1713	569929.2	4215376	1.73E-01	2.64E-02	1.19E-02
1714	569912.9	4215182	1.70E-01	2.60E-02	1.17E-02
1715	569913.2	4215192	1.72E-01	2.62E-02	1.18E-02
1716	569913.5	4215202	1.64E-01	2.51E-02	1.13E-02
1717	569913.9	4215211	1.52E-01	2.32E-02	1.05E-02
1718	569914.2	4215221	1.37E-01	2.09E-02	9.45E-03
1719	569914.5	4215231	1.25E-01	1.92E-02	8.65E-03
1720	569914.8	4215240	1.18E-01	1.80E-02	8.12E-03
1721	569915.1	4215250	1.11E-01	1.69E-02	7.64E-03
1722	569915.4	4215260	1.06E-01	1.61E-02	7.27E-03
1723	569915.8	4215269	1.03E-01	1.57E-02	7.09E-03
1724	569916.1	4215279	1.00E-01	1.53E-02	6.92E-03
1725	569916.4	4215289	9.84E-02	1.50E-02	6.78E-03
1726	569916.7	4215298	9.69E-02	1.48E-02	6.68E-03
1727	569917	4215308	9.67E-02	1.48E-02	6.66E-03
1728	569917.3	4215318	9.66E-02	1.48E-02	6.66E-03
1729	569917.6	4215327	9.93E-02	1.52E-02	6.84E-03
1730	569918	4215337	1.03E-01	1.57E-02	7.10E-03
1731	569918.3	4215347	1.09E-01	1.66E-02	7.49E-03
1732	569918.6	4215356	1.15E-01	1.76E-02	7.96E-03
1733	569918.9	4215366	1.30E-01	1.99E-02	8.99E-03
1734	569919.2	4215376	1.62E-01	2.47E-02	1.12E-02
1735	569903.2	4215192	1.60E-01	2.44E-02	1.10E-02
1736	569903.6	4215202	1.54E-01	2.35E-02	1.06E-02
1737	569903.9	4215212	1.42E-01	2.16E-02	9.77E-03
1738	569904.2	4215221	1.27E-01	1.94E-02	8.75E-03
1739	569904.5	4215231	1.16E-01	1.77E-02	7.99E-03
1740	569904.8	4215241	1.09E-01	1.66E-02	7.49E-03
1741	569905.1	4215250	1.02E-01	1.56E-02	7.02E-03
1742	569905.4	4215260	9.75E-02	1.49E-02	6.72E-03
1743	569905.8	4215270	9.53E-02	1.45E-02	6.56E-03
1744	569906.1	4215279	9.33E-02	1.42E-02	6.43E-03
1745	569906.4	4215289	9.15E-02	1.40E-02	6.31E-03
1746	569906.7	4215299	9.01E-02	1.38E-02	6.21E-03
1747	569907	4215308	8.90E-02	1.36E-02	6.13E-03
1748	569907.3	4215318	8.88E-02	1.36E-02	6.12E-03
1749	569907.6	4215328	9.31E-02	1.42E-02	6.42E-03
1750	569908	4215337	9.71E-02	1.48E-02	6.69E-03
1751	569908.3	4215347	1.03E-01	1.57E-02	7.08E-03
1752	569908.6	4215357	1.09E-01	1.66E-02	7.51E-03
1753	569908.9	4215366	1.21E-01	1.85E-02	8.35E-03
1754	569909.2	4215376	1.42E-01	2.17E-02	9.81E-03
1755	569893.2	4215193	1.50E-01	2.29E-02	1.03E-02
1756	569893.6	4215202	1.46E-01	2.22E-02	1.00E-02
1757	569893.9	4215212	1.35E-01	2.06E-02	9.30E-03
1758	569894.2	4215222	1.21E-01	1.85E-02	8.36E-03
1759	569894.5	4215231	1.11E-01	1.69E-02	7.63E-03
1760	569894.8	4215241	1.03E-01	1.57E-02	7.10E-03
1761	569895.1	4215251	9.64E-02	1.47E-02	6.65E-03
1762	569895.4	4215260	9.18E-02	1.40E-02	6.33E-03

1763	569895.8	4215270	8.90E-02	1.36E-02	6.13E-03
1764	569896.1	4215280	8.65E-02	1.32E-02	5.96E-03
1765	569896.4	4215289	8.47E-02	1.29E-02	5.84E-03
1766	569896.7	4215299	8.37E-02	1.28E-02	5.77E-03
1767	569897	4215309	8.29E-02	1.27E-02	5.71E-03
1768	569897.3	4215318	8.29E-02	1.27E-02	5.72E-03
1769	569897.7	4215328	8.57E-02	1.31E-02	5.91E-03
1770	569898	4215338	9.12E-02	1.39E-02	6.28E-03
1771	569898.3	4215347	9.63E-02	1.47E-02	6.64E-03
1772	569898.6	4215357	1.02E-01	1.55E-02	6.99E-03
1773	569898.9	4215367	1.10E-01	1.68E-02	7.60E-03
1774	569883.6	4215203	1.38E-01	2.11E-02	9.51E-03
1775	569883.9	4215212	1.29E-01	1.96E-02	8.87E-03
1776	569884.2	4215222	1.16E-01	1.77E-02	8.01E-03
1777	569884.5	4215232	1.06E-01	1.62E-02	7.31E-03
1778	569884.8	4215241	9.84E-02	1.50E-02	6.78E-03
1779	569885.1	4215251	9.18E-02	1.40E-02	6.32E-03
1780	569885.5	4215261	8.69E-02	1.33E-02	5.99E-03
1781	569885.8	4215270	8.34E-02	1.27E-02	5.75E-03
1782	569886.1	4215280	8.04E-02	1.23E-02	5.54E-03
1783	569886.4	4215290	7.85E-02	1.20E-02	5.41E-03
1784	569886.7	4215299	7.80E-02	1.19E-02	5.38E-03
1785	569887	4215309	7.76E-02	1.18E-02	5.35E-03
1786	569887.3	4215319	7.78E-02	1.19E-02	5.36E-03
1787	569887.7	4215328	8.00E-02	1.22E-02	5.52E-03
1788	569888	4215338	8.34E-02	1.27E-02	5.75E-03
1789	569888.3	4215348	8.94E-02	1.36E-02	6.16E-03
1790	569888.6	4215357	9.35E-02	1.43E-02	6.44E-03
1791	569888.9	4215367	9.95E-02	1.52E-02	6.86E-03
1792	569873.6	4215203	1.31E-01	2.00E-02	9.02E-03
1793	569873.9	4215213	1.23E-01	1.87E-02	8.46E-03
1794	569874.2	4215222	1.11E-01	1.70E-02	7.68E-03
1795	569874.5	4215232	1.02E-01	1.55E-02	7.01E-03
1796	569874.8	4215242	9.40E-02	1.44E-02	6.48E-03
1797	569875.1	4215251	8.74E-02	1.33E-02	6.02E-03
1798	569875.5	4215261	8.23E-02	1.26E-02	5.67E-03
1799	569875.8	4215271	7.84E-02	1.20E-02	5.40E-03
1800	569876.1	4215280	7.51E-02	1.15E-02	5.17E-03
1801	569876.4	4215290	7.33E-02	1.12E-02	5.05E-03
1802	569876.7	4215300	7.30E-02	1.11E-02	5.03E-03
1803	569877	4215309	7.28E-02	1.11E-02	5.02E-03
1804	569877.3	4215319	7.32E-02	1.12E-02	5.04E-03
1805	569877.7	4215329	7.49E-02	1.14E-02	5.16E-03
1806	569878	4215338	7.75E-02	1.18E-02	5.34E-03
1807	569878.3	4215348	8.11E-02	1.24E-02	5.59E-03
1808	569878.6	4215358	8.46E-02	1.29E-02	5.83E-03
1809	569878.9	4215367	8.93E-02	1.36E-02	6.15E-03
1810	569863.9	4215213	1.17E-01	1.79E-02	8.08E-03
1811	569864.2	4215223	1.09E-01	1.66E-02	7.51E-03
1812	569864.5	4215232	1.00E-01	1.53E-02	6.92E-03
1813	569864.8	4215242	9.25E-02	1.41E-02	6.38E-03
1814	569865.1	4215252	8.53E-02	1.30E-02	5.88E-03

1815	569865.5	4215261	7.99E-02	1.22E-02	5.51E-03
1816	569865.8	4215271	7.58E-02	1.16E-02	5.23E-03
1817	569866.1	4215281	7.24E-02	1.11E-02	4.99E-03
1818	569866.4	4215290	7.04E-02	1.08E-02	4.85E-03
1819	569866.7	4215300	6.98E-02	1.07E-02	4.81E-03
1820	569867	4215310	6.92E-02	1.06E-02	4.77E-03
1821	569867.4	4215319	6.92E-02	1.06E-02	4.77E-03
1822	569867.7	4215329	7.02E-02	1.07E-02	4.84E-03
1823	569868	4215339	7.20E-02	1.10E-02	4.96E-03
1824	569868.3	4215348	7.45E-02	1.14E-02	5.13E-03
1825	569868.6	4215358	7.73E-02	1.18E-02	5.32E-03
1826	569868.9	4215368	8.06E-02	1.23E-02	5.55E-03
1827	569853.9	4215213	1.12E-01	1.71E-02	7.73E-03
1828	569854.2	4215223	1.07E-01	1.63E-02	7.34E-03
1829	569854.5	4215233	9.91E-02	1.51E-02	6.83E-03
1830	569854.8	4215242	9.12E-02	1.39E-02	6.28E-03
1831	569855.2	4215252	8.36E-02	1.28E-02	5.76E-03
1832	569855.5	4215262	7.82E-02	1.19E-02	5.39E-03
1833	569855.8	4215271	7.41E-02	1.13E-02	5.11E-03
1834	569856.1	4215281	7.07E-02	1.08E-02	4.87E-03
1835	569856.4	4215291	6.85E-02	1.05E-02	4.72E-03
1836	569856.7	4215300	6.72E-02	1.03E-02	4.63E-03
1837	569857	4215310	6.61E-02	1.01E-02	4.56E-03
1838	569857.4	4215320	6.55E-02	1.00E-02	4.51E-03
1839	569857.7	4215329	6.59E-02	1.01E-02	4.54E-03
1840	569858	4215339	6.68E-02	1.02E-02	4.60E-03
1841	569858.3	4215349	6.82E-02	1.04E-02	4.70E-03
1842	569858.6	4215358	7.02E-02	1.07E-02	4.84E-03
1843	569858.9	4215368	7.25E-02	1.11E-02	5.00E-03
1844	569844.2	4215223	1.04E-01	1.59E-02	7.17E-03
1845	569844.5	4215233	9.77E-02	1.49E-02	6.73E-03
1846	569844.8	4215243	8.98E-02	1.37E-02	6.19E-03
1847	569845.2	4215252	8.20E-02	1.25E-02	5.65E-03
1848	569845.5	4215262	7.65E-02	1.17E-02	5.27E-03
1849	569845.8	4215272	7.25E-02	1.11E-02	5.00E-03
1850	569846.1	4215281	6.91E-02	1.05E-02	4.76E-03
1851	569846.4	4215291	6.66E-02	1.02E-02	4.59E-03
1852	569846.7	4215301	6.48E-02	9.90E-03	4.47E-03
1853	569847.1	4215310	6.31E-02	9.64E-03	4.35E-03
1854	569847.4	4215320	6.21E-02	9.48E-03	4.28E-03
1855	569847.7	4215330	6.20E-02	9.46E-03	4.27E-03
1856	569848	4215339	6.21E-02	9.48E-03	4.28E-03
1857	569848.3	4215349	6.27E-02	9.58E-03	4.32E-03
1858	569848.6	4215359	6.41E-02	9.78E-03	4.41E-03
1859	569848.9	4215368	6.55E-02	1.00E-02	4.51E-03
1860	569834.2	4215224	9.85E-02	1.50E-02	6.79E-03
1861	569834.5	4215233	9.30E-02	1.42E-02	6.41E-03
1862	569834.9	4215243	8.60E-02	1.31E-02	5.93E-03
1863	569835.2	4215253	7.89E-02	1.21E-02	5.44E-03
1864	569835.5	4215262	7.40E-02	1.13E-02	5.10E-03
1865	569835.8	4215272	7.01E-02	1.07E-02	4.83E-03
1866	569836.1	4215282	6.69E-02	1.02E-02	4.61E-03

1867	569836.4	4215291	6.43E-02	9.83E-03	4.43E-03
1868	569836.7	4215301	6.23E-02	9.51E-03	4.29E-03
1869	569837.1	4215311	6.04E-02	9.22E-03	4.16E-03
1870	569837.4	4215320	5.91E-02	9.03E-03	4.08E-03
1871	569837.7	4215330	5.87E-02	8.96E-03	4.05E-03
1872	569838	4215340	5.84E-02	8.92E-03	4.02E-03
1873	569838.3	4215349	5.85E-02	8.93E-03	4.03E-03
1874	569838.6	4215359	5.92E-02	9.03E-03	4.08E-03
1875	569838.9	4215369	5.98E-02	9.13E-03	4.12E-03
1876	569824.5	4215234	8.84E-02	1.35E-02	6.09E-03
1877	569824.9	4215243	8.21E-02	1.25E-02	5.66E-03
1878	569825.2	4215253	7.58E-02	1.16E-02	5.23E-03
1879	569825.5	4215263	7.13E-02	1.09E-02	4.91E-03
1880	569825.8	4215272	6.77E-02	1.03E-02	4.66E-03
1881	569826.1	4215282	6.46E-02	9.86E-03	4.45E-03
1882	569826.4	4215292	6.20E-02	9.47E-03	4.27E-03
1883	569826.7	4215301	5.98E-02	9.14E-03	4.12E-03
1884	569827.1	4215311	5.78E-02	8.83E-03	3.98E-03
1885	569827.4	4215321	5.65E-02	8.63E-03	3.89E-03
1886	569827.7	4215330	5.59E-02	8.53E-03	3.85E-03
1887	569828	4215340	5.53E-02	8.45E-03	3.81E-03
1888	569828.3	4215350	5.51E-02	8.41E-03	3.79E-03
1889	569828.6	4215359	5.52E-02	8.43E-03	3.80E-03
1890	569829	4215369	5.52E-02	8.43E-03	3.81E-03
1891	569814.9	4215244	7.86E-02	1.20E-02	5.42E-03
1892	569815.2	4215253	7.29E-02	1.11E-02	5.02E-03
1893	569815.5	4215263	6.87E-02	1.05E-02	4.74E-03
1894	569815.8	4215273	6.53E-02	9.98E-03	4.50E-03
1895	569816.1	4215282	6.24E-02	9.52E-03	4.30E-03
1896	569816.4	4215292	5.98E-02	9.13E-03	4.12E-03
1897	569816.8	4215302	5.75E-02	8.78E-03	3.96E-03
1898	569817.1	4215311	5.53E-02	8.45E-03	3.81E-03
1899	569817.4	4215321	5.40E-02	8.24E-03	3.72E-03
1900	569817.7	4215331	5.32E-02	8.13E-03	3.67E-03
1901	569818	4215340	5.25E-02	8.01E-03	3.62E-03
1902	569818.3	4215350	5.19E-02	7.93E-03	3.58E-03
1903	569818.6	4215360	5.17E-02	7.89E-03	3.56E-03
1904	569819	4215369	5.12E-02	7.82E-03	3.53E-03
1905	569804.9	4215244	7.40E-02	1.13E-02	5.10E-03
1906	569805.2	4215254	6.87E-02	1.05E-02	4.73E-03
1907	569805.5	4215263	6.49E-02	9.91E-03	4.47E-03
1908	569805.8	4215273	6.18E-02	9.43E-03	4.26E-03
1909	569806.1	4215283	5.91E-02	9.02E-03	4.07E-03
1910	569806.4	4215292	5.68E-02	8.67E-03	3.91E-03
1911	569806.8	4215302	5.47E-02	8.35E-03	3.77E-03
1912	569807.1	4215312	5.27E-02	8.05E-03	3.63E-03
1913	569807.4	4215321	5.14E-02	7.85E-03	3.54E-03
1914	569807.7	4215331	5.06E-02	7.73E-03	3.49E-03
1915	569808	4215341	4.98E-02	7.60E-03	3.43E-03
1916	569808.3	4215350	4.91E-02	7.50E-03	3.38E-03
1917	569808.6	4215360	4.86E-02	7.42E-03	3.35E-03
1918	569809	4215370	4.80E-02	7.32E-03	3.30E-03

1919	569795.2	4215254	6.46E-02	9.86E-03	4.45E-03
1920	569795.5	4215264	6.10E-02	9.32E-03	4.21E-03
1921	569795.8	4215273	5.82E-02	8.89E-03	4.01E-03
1922	569796.1	4215283	5.57E-02	8.51E-03	3.84E-03
1923	569796.4	4215293	5.37E-02	8.20E-03	3.70E-03
1924	569796.8	4215302	5.19E-02	7.92E-03	3.58E-03
1925	569797.1	4215312	5.02E-02	7.66E-03	3.46E-03
1926	569797.4	4215322	4.90E-02	7.48E-03	3.38E-03
1927	569797.7	4215331	4.82E-02	7.36E-03	3.32E-03
1928	569798	4215341	4.73E-02	7.22E-03	3.26E-03
1929	569798.3	4215351	4.65E-02	7.11E-03	3.21E-03
1930	569798.7	4215360	4.60E-02	7.02E-03	3.17E-03
1931	569785.2	4215254	6.08E-02	9.28E-03	4.19E-03
1932	569785.5	4215264	5.76E-02	8.79E-03	3.97E-03
1933	569785.8	4215274	5.49E-02	8.39E-03	3.78E-03
1934	569786.1	4215283	5.26E-02	8.03E-03	3.63E-03
1935	569786.5	4215293	5.09E-02	7.77E-03	3.51E-03
1936	569786.8	4215303	4.93E-02	7.53E-03	3.40E-03
1937	569787.1	4215312	4.78E-02	7.30E-03	3.29E-03
1938	569787.4	4215322	4.67E-02	7.13E-03	3.22E-03
1939	569787.7	4215332	4.59E-02	7.01E-03	3.16E-03
1940	569788	4215341	4.49E-02	6.86E-03	3.10E-03
1941	569788.3	4215351	4.42E-02	6.75E-03	3.05E-03
1942	569788.7	4215361	4.36E-02	6.66E-03	3.00E-03
1943	569775.5	4215264	5.47E-02	8.35E-03	3.77E-03
1944	569775.8	4215274	5.22E-02	7.97E-03	3.59E-03
1945	569776.1	4215284	5.00E-02	7.63E-03	3.44E-03
1946	569776.5	4215293	4.83E-02	7.38E-03	3.33E-03
1947	569776.8	4215303	4.68E-02	7.15E-03	3.23E-03
1948	569777.1	4215313	4.54E-02	6.93E-03	3.13E-03
1949	569777.4	4215322	4.44E-02	6.77E-03	3.06E-03
1950	569777.7	4215332	4.35E-02	6.65E-03	3.00E-03
1951	569778	4215342	4.26E-02	6.50E-03	2.94E-03
1952	569778.3	4215351	4.18E-02	6.39E-03	2.88E-03
1953	569778.7	4215361	4.13E-02	6.30E-03	2.84E-03
1954	569765.5	4215265	5.20E-02	7.95E-03	3.59E-03
1955	569765.8	4215274	4.97E-02	7.58E-03	3.42E-03
1956	569766.1	4215284	4.76E-02	7.27E-03	3.28E-03
1957	569766.5	4215294	4.60E-02	7.02E-03	3.17E-03
1958	569766.8	4215303	4.45E-02	6.79E-03	3.07E-03
1959	569767.1	4215313	4.31E-02	6.58E-03	2.97E-03
1960	569767.4	4215323	4.21E-02	6.43E-03	2.90E-03
1961	569767.7	4215332	4.13E-02	6.30E-03	2.84E-03
1962	569768	4215342	4.03E-02	6.16E-03	2.78E-03
1963	569768.4	4215352	3.96E-02	6.05E-03	2.73E-03
1964	569768.7	4215361	3.90E-02	5.96E-03	2.69E-03
1965	569755.8	4215275	4.73E-02	7.23E-03	3.26E-03
1966	569756.2	4215284	4.54E-02	6.93E-03	3.13E-03
1967	569756.5	4215294	4.38E-02	6.69E-03	3.02E-03
1968	569756.8	4215304	4.23E-02	6.46E-03	2.92E-03
1969	569757.1	4215313	4.10E-02	6.26E-03	2.82E-03
1970	569757.4	4215323	4.01E-02	6.12E-03	2.76E-03

1971	569757.7	4215333	3.92E-02	5.99E-03	2.70E-03
1972	569758	4215342	3.83E-02	5.85E-03	2.64E-03
1973	569758.4	4215352	3.76E-02	5.74E-03	2.59E-03
1974	569758.7	4215362	3.70E-02	5.65E-03	2.55E-03
1975	569745.8	4215275	4.51E-02	6.89E-03	3.11E-03
1976	569746.2	4215285	4.33E-02	6.61E-03	2.98E-03
1977	569746.5	4215294	4.18E-02	6.39E-03	2.88E-03
1978	569746.8	4215304	4.05E-02	6.18E-03	2.79E-03
1979	569747.1	4215314	3.92E-02	5.99E-03	2.70E-03
1980	569747.4	4215323	3.84E-02	5.86E-03	2.64E-03
1981	569747.7	4215333	3.75E-02	5.73E-03	2.58E-03
1982	569748	4215343	3.66E-02	5.58E-03	2.52E-03
1983	569748.4	4215352	3.58E-02	5.47E-03	2.47E-03
1984	569735.2	4215256	4.75E-02	7.26E-03	3.28E-03
1985	569735.5	4215266	4.51E-02	6.89E-03	3.11E-03
1986	569735.8	4215275	4.31E-02	6.58E-03	2.97E-03
1987	569736.2	4215285	4.13E-02	6.31E-03	2.85E-03
1988	569736.5	4215295	4.01E-02	6.12E-03	2.76E-03
1989	569736.8	4215304	3.89E-02	5.93E-03	2.68E-03
1990	569737.1	4215314	3.77E-02	5.76E-03	2.60E-03
1991	569737.4	4215324	3.68E-02	5.63E-03	2.54E-03
1992	569737.7	4215333	3.60E-02	5.50E-03	2.48E-03
1993	569738.1	4215343	3.50E-02	5.35E-03	2.41E-03
1994	569738.4	4215353	3.43E-02	5.24E-03	2.37E-03
1995	569724.6	4215237	5.14E-02	7.85E-03	3.54E-03
1996	569724.9	4215247	4.82E-02	7.36E-03	3.32E-03
1997	569725.2	4215256	4.54E-02	6.94E-03	3.13E-03
1998	569725.5	4215266	4.31E-02	6.58E-03	2.97E-03
1999	569725.9	4215276	4.12E-02	6.29E-03	2.84E-03
2000	569726.2	4215285	3.95E-02	6.03E-03	2.72E-03
2001	569726.5	4215295	3.84E-02	5.86E-03	2.64E-03
2002	569726.8	4215305	3.73E-02	5.70E-03	2.57E-03
2003	569727.1	4215314	3.62E-02	5.53E-03	2.50E-03
2004	569727.4	4215324	3.54E-02	5.41E-03	2.44E-03
2005	569727.7	4215334	3.46E-02	5.28E-03	2.38E-03
2006	569728.1	4215343	3.36E-02	5.13E-03	2.32E-03
2007	569728.4	4215353	3.29E-02	5.03E-03	2.27E-03
2008	569728.7	4215363	3.24E-02	4.95E-03	2.23E-03
2009	569714	4215218	5.39E-02	8.22E-03	3.71E-03
2010	569714.3	4215228	5.31E-02	8.11E-03	3.66E-03
2011	569714.6	4215237	4.98E-02	7.61E-03	3.43E-03
2012	569714.9	4215247	4.68E-02	7.14E-03	3.22E-03
2013	569715.2	4215257	4.41E-02	6.74E-03	3.04E-03
2014	569715.5	4215266	4.18E-02	6.39E-03	2.88E-03
2015	569715.9	4215276	3.99E-02	6.09E-03	2.75E-03
2016	569716.2	4215286	3.82E-02	5.84E-03	2.63E-03
2017	569716.5	4215295	3.71E-02	5.66E-03	2.56E-03
2018	569716.8	4215305	3.60E-02	5.50E-03	2.48E-03
2019	569717.1	4215315	3.50E-02	5.34E-03	2.41E-03
2020	569717.4	4215324	3.41E-02	5.21E-03	2.35E-03
2021	569717.7	4215334	3.33E-02	5.08E-03	2.29E-03
2022	569718.1	4215344	3.23E-02	4.93E-03	2.23E-03

2023	569718.4	4215353	3.16E-02	4.83E-03	2.18E-03
2024	569718.7	4215363	3.11E-02	4.75E-03	2.15E-03
2025	569719	4215373	3.06E-02	4.68E-03	2.11E-03
2026	569719.3	4215382	3.04E-02	4.65E-03	2.10E-03
2027	569709.1	4215385	2.91E-02	4.45E-03	2.01E-03
2028	569699.1	4215385	2.79E-02	4.26E-03	1.92E-03
2029	569702.4	4215377	2.84E-02	4.34E-03	1.96E-03
2030	569705.6	4215368	2.93E-02	4.47E-03	2.02E-03
2031	569708.9	4215360	3.02E-02	4.60E-03	2.08E-03
2032	569689.3	4215385	2.69E-02	4.10E-03	1.85E-03
2033	569692.7	4215376	2.74E-02	4.18E-03	1.89E-03
2034	569696.1	4215367	2.83E-02	4.32E-03	1.95E-03
2035	569699.6	4215358	2.92E-02	4.46E-03	2.01E-03
2036	569703	4215349	3.01E-02	4.60E-03	2.08E-03
2037	569706.5	4215340	3.13E-02	4.78E-03	2.16E-03
2038	569679.2	4215386	2.59E-02	3.96E-03	1.79E-03
2039	569682.6	4215377	2.65E-02	4.05E-03	1.83E-03
2040	569686	4215368	2.73E-02	4.18E-03	1.88E-03
2041	569689.4	4215359	2.82E-02	4.30E-03	1.94E-03
2042	569692.8	4215350	2.90E-02	4.43E-03	2.00E-03
2043	569696.2	4215341	3.01E-02	4.59E-03	2.07E-03
2044	569699.6	4215332	3.13E-02	4.79E-03	2.16E-03
2045	569703	4215324	3.26E-02	4.97E-03	2.24E-03
2046	569706.4	4215315	3.38E-02	5.16E-03	2.33E-03
2047	569669.2	4215386	2.50E-02	3.82E-03	1.72E-03
2048	569672.6	4215377	2.57E-02	3.92E-03	1.77E-03
2049	569675.9	4215368	2.65E-02	4.05E-03	1.83E-03
2050	569679.3	4215360	2.74E-02	4.18E-03	1.88E-03
2051	569682.7	4215351	2.82E-02	4.30E-03	1.94E-03
2052	569686.1	4215342	2.91E-02	4.45E-03	2.01E-03
2053	569689.4	4215333	3.03E-02	4.62E-03	2.09E-03
2054	569692.8	4215325	3.14E-02	4.79E-03	2.16E-03
2055	569696.2	4215316	3.25E-02	4.97E-03	2.24E-03
2056	569699.5	4215307	3.39E-02	5.18E-03	2.34E-03
2057	569702.9	4215298	3.53E-02	5.39E-03	2.43E-03
2058	569706.3	4215290	3.67E-02	5.60E-03	2.53E-03
2059	569659.2	4215386	2.41E-02	3.68E-03	1.66E-03
2060	569662.5	4215378	2.48E-02	3.79E-03	1.71E-03
2061	569665.9	4215369	2.57E-02	3.93E-03	1.77E-03
2062	569669.2	4215360	2.66E-02	4.06E-03	1.83E-03
2063	569672.5	4215352	2.74E-02	4.18E-03	1.89E-03
2064	569675.9	4215343	2.83E-02	4.32E-03	1.95E-03
2065	569679.2	4215334	2.93E-02	4.48E-03	2.02E-03
2066	569682.6	4215326	3.04E-02	4.64E-03	2.10E-03
2067	569685.9	4215317	3.15E-02	4.81E-03	2.17E-03
2068	569689.2	4215308	3.28E-02	5.01E-03	2.26E-03
2069	569692.6	4215299	3.41E-02	5.21E-03	2.35E-03
2070	569695.9	4215291	3.55E-02	5.42E-03	2.45E-03
2071	569699.2	4215282	3.71E-02	5.66E-03	2.56E-03
2072	569702.6	4215273	3.90E-02	5.96E-03	2.69E-03
2073	569705.9	4215265	4.12E-02	6.29E-03	2.84E-03
2074	569649.2	4215387	2.31E-02	3.53E-03	1.60E-03

2075	569652.5	4215378	2.39E-02	3.65E-03	1.65E-03
2076	569655.8	4215369	2.48E-02	3.79E-03	1.71E-03
2077	569659.1	4215361	2.58E-02	3.93E-03	1.78E-03
2078	569662.4	4215352	2.66E-02	4.07E-03	1.83E-03
2079	569665.7	4215344	2.75E-02	4.20E-03	1.89E-03
2080	569669	4215335	2.85E-02	4.35E-03	1.96E-03
2081	569672.3	4215326	2.95E-02	4.50E-03	2.03E-03
2082	569675.7	4215318	3.05E-02	4.66E-03	2.10E-03
2083	569679	4215309	3.18E-02	4.85E-03	2.19E-03
2084	569682.3	4215301	3.32E-02	5.07E-03	2.29E-03
2085	569685.6	4215292	3.46E-02	5.28E-03	2.38E-03
2086	569688.9	4215283	3.61E-02	5.51E-03	2.48E-03
2087	569692.2	4215275	3.78E-02	5.78E-03	2.61E-03
2088	569695.5	4215266	3.99E-02	6.09E-03	2.75E-03
2089	569698.8	4215257	4.23E-02	6.45E-03	2.91E-03
2090	569702.2	4215249	4.48E-02	6.84E-03	3.09E-03
2091	569705.5	4215240	4.77E-02	7.28E-03	3.29E-03
2092	569639.3	4215387	2.23E-02	3.41E-03	1.54E-03
2093	569642.7	4215378	2.31E-02	3.53E-03	1.59E-03
2094	569646.2	4215369	2.41E-02	3.68E-03	1.66E-03
2095	569649.6	4215360	2.51E-02	3.83E-03	1.73E-03
2096	569653.1	4215351	2.60E-02	3.98E-03	1.79E-03
2097	569656.5	4215342	2.70E-02	4.12E-03	1.86E-03
2098	569660	4215333	2.81E-02	4.28E-03	1.93E-03
2099	569663.4	4215324	2.90E-02	4.43E-03	2.00E-03
2100	569666.9	4215315	3.01E-02	4.59E-03	2.07E-03
2101	569670.3	4215306	3.15E-02	4.81E-03	2.17E-03
2102	569673.7	4215297	3.30E-02	5.05E-03	2.28E-03
2103	569677.2	4215288	3.46E-02	5.29E-03	2.39E-03
2104	569680.6	4215279	3.63E-02	5.54E-03	2.50E-03
2105	569684.1	4215270	3.82E-02	5.83E-03	2.63E-03
2106	569687.5	4215261	4.03E-02	6.16E-03	2.78E-03
2107	569691	4215252	4.28E-02	6.53E-03	2.95E-03
2108	569694.4	4215243	4.55E-02	6.94E-03	3.13E-03
2109	569697.9	4215234	4.85E-02	7.40E-03	3.34E-03
2110	569701.3	4215225	5.15E-02	7.87E-03	3.55E-03
2111	569704.7	4215216	5.20E-02	7.94E-03	3.58E-03
2112	569629.3	4215387	2.15E-02	3.29E-03	1.48E-03
2113	569632.7	4215378	2.23E-02	3.41E-03	1.54E-03
2114	569636.1	4215369	2.33E-02	3.56E-03	1.61E-03
2115	569639.5	4215360	2.43E-02	3.71E-03	1.67E-03
2116	569642.9	4215352	2.53E-02	3.86E-03	1.74E-03
2117	569646.3	4215343	2.63E-02	4.01E-03	1.81E-03
2118	569649.8	4215334	2.73E-02	4.17E-03	1.88E-03
2119	569653.2	4215325	2.83E-02	4.33E-03	1.95E-03
2120	569656.6	4215316	2.93E-02	4.47E-03	2.02E-03
2121	569660	4215307	3.07E-02	4.69E-03	2.11E-03
2122	569663.4	4215298	3.22E-02	4.91E-03	2.22E-03
2123	569666.8	4215289	3.38E-02	5.17E-03	2.33E-03
2124	569670.2	4215280	3.55E-02	5.42E-03	2.44E-03
2125	569673.7	4215272	3.72E-02	5.68E-03	2.56E-03
2126	569677.1	4215263	3.92E-02	5.98E-03	2.70E-03

2127	569680.5	4215254	4.14E-02	6.32E-03	2.85E-03
2128	569683.9	4215245	4.36E-02	6.66E-03	3.01E-03
2129	569687.3	4215236	4.63E-02	7.07E-03	3.19E-03
2130	569690.7	4215227	4.94E-02	7.54E-03	3.40E-03
2131	569694.1	4215218	5.01E-02	7.64E-03	3.45E-03
2132	569697.6	4215209	5.03E-02	7.69E-03	3.47E-03
2133	569625.9	4215396	2.07E-02	3.16E-03	1.43E-03
2134	569619.3	4215387	2.08E-02	3.18E-03	1.43E-03
2135	569622.6	4215379	2.16E-02	3.30E-03	1.49E-03
2136	569626	4215370	2.25E-02	3.44E-03	1.55E-03
2137	569629.4	4215361	2.35E-02	3.59E-03	1.62E-03
2138	569632.8	4215352	2.45E-02	3.74E-03	1.69E-03
2139	569636.2	4215343	2.55E-02	3.90E-03	1.76E-03
2140	569639.6	4215335	2.66E-02	4.07E-03	1.84E-03
2141	569643	4215326	2.77E-02	4.23E-03	1.91E-03
2142	569646.3	4215317	2.87E-02	4.39E-03	1.98E-03
2143	569649.7	4215308	3.01E-02	4.59E-03	2.07E-03
2144	569653.1	4215299	3.16E-02	4.82E-03	2.17E-03
2145	569656.5	4215291	3.32E-02	5.06E-03	2.29E-03
2146	569659.9	4215282	3.48E-02	5.31E-03	2.40E-03
2147	569663.3	4215273	3.63E-02	5.55E-03	2.50E-03
2148	569666.7	4215264	3.81E-02	5.82E-03	2.63E-03
2149	569670.1	4215255	4.01E-02	6.13E-03	2.77E-03
2150	569673.4	4215246	4.20E-02	6.42E-03	2.90E-03
2151	569676.8	4215238	4.42E-02	6.75E-03	3.05E-03
2152	569680.2	4215229	4.68E-02	7.14E-03	3.22E-03
2153	569683.6	4215220	4.76E-02	7.27E-03	3.28E-03
2154	569687	4215211	4.78E-02	7.29E-03	3.29E-03
2155	569690.4	4215202	4.81E-02	7.34E-03	3.31E-03
2156	569615.9	4215396	2.00E-02	3.06E-03	1.38E-03
2157	569616.2	4215406	1.94E-02	2.96E-03	1.34E-03
2158	569616.5	4215416	1.89E-02	2.88E-03	1.30E-03
2159	569609.2	4215388	2.01E-02	3.08E-03	1.39E-03
2160	569612.6	4215379	2.09E-02	3.20E-03	1.44E-03
2161	569616	4215370	2.18E-02	3.33E-03	1.50E-03
2162	569619.3	4215362	2.28E-02	3.48E-03	1.57E-03
2163	569622.7	4215353	2.38E-02	3.63E-03	1.64E-03
2164	569626	4215344	2.48E-02	3.78E-03	1.71E-03
2165	569629.4	4215335	2.59E-02	3.96E-03	1.79E-03
2166	569632.8	4215327	2.71E-02	4.14E-03	1.87E-03
2167	569636.1	4215318	2.83E-02	4.31E-03	1.95E-03
2168	569639.5	4215309	2.96E-02	4.51E-03	2.04E-03
2169	569642.8	4215300	3.10E-02	4.73E-03	2.14E-03
2170	569646.2	4215292	3.26E-02	4.97E-03	2.24E-03
2171	569649.6	4215283	3.41E-02	5.21E-03	2.35E-03
2172	569652.9	4215274	3.56E-02	5.43E-03	2.45E-03
2173	569656.3	4215265	3.72E-02	5.68E-03	2.56E-03
2174	569659.7	4215257	3.90E-02	5.96E-03	2.69E-03
2175	569663	4215248	4.06E-02	6.20E-03	2.80E-03
2176	569666.4	4215239	4.24E-02	6.47E-03	2.92E-03
2177	569669.7	4215230	4.45E-02	6.79E-03	3.06E-03
2178	569673.1	4215222	4.54E-02	6.93E-03	3.13E-03

2179	569676.5	4215213	4.52E-02	6.90E-03	3.12E-03
2180	569679.8	4215204	4.52E-02	6.90E-03	3.11E-03
2181	569683.2	4215195	4.52E-02	6.90E-03	3.11E-03
2182	569695.1	4215183	4.53E-02	6.92E-03	3.12E-03
2183	569605.9	4215397	1.93E-02	2.95E-03	1.33E-03
2184	569606.2	4215406	1.87E-02	2.86E-03	1.29E-03
2185	569606.5	4215416	1.83E-02	2.79E-03	1.26E-03
2186	569606.8	4215426	1.78E-02	2.72E-03	1.23E-03
2187	569599.2	4215388	1.95E-02	2.98E-03	1.34E-03
2188	569602.6	4215379	2.03E-02	3.10E-03	1.40E-03
2189	569605.9	4215371	2.12E-02	3.23E-03	1.46E-03
2190	569609.2	4215362	2.21E-02	3.37E-03	1.52E-03
2191	569612.6	4215353	2.30E-02	3.52E-03	1.59E-03
2192	569615.9	4215345	2.40E-02	3.67E-03	1.66E-03
2193	569619.2	4215336	2.52E-02	3.85E-03	1.74E-03
2194	569622.6	4215327	2.64E-02	4.03E-03	1.82E-03
2195	569625.9	4215319	2.76E-02	4.22E-03	1.90E-03
2196	569629.3	4215310	2.90E-02	4.42E-03	2.00E-03
2197	569632.6	4215301	3.05E-02	4.65E-03	2.10E-03
2198	569635.9	4215293	3.20E-02	4.89E-03	2.21E-03
2199	569639.3	4215284	3.36E-02	5.13E-03	2.32E-03
2200	569642.6	4215275	3.49E-02	5.33E-03	2.41E-03
2201	569646	4215267	3.64E-02	5.55E-03	2.51E-03
2202	569649.3	4215258	3.80E-02	5.80E-03	2.62E-03
2203	569652.6	4215249	3.92E-02	5.98E-03	2.70E-03
2204	569656	4215241	4.05E-02	6.19E-03	2.79E-03
2205	569659.3	4215232	4.22E-02	6.44E-03	2.91E-03
2206	569662.6	4215223	4.34E-02	6.63E-03	2.99E-03
2207	569666	4215214	4.30E-02	6.56E-03	2.96E-03
2208	569669.3	4215206	4.26E-02	6.51E-03	2.94E-03
2209	569672.7	4215197	4.24E-02	6.48E-03	2.92E-03
2210	569676	4215188	4.18E-02	6.38E-03	2.88E-03
2211	569687.9	4215176	4.19E-02	6.39E-03	2.89E-03
2212	569595.9	4215397	1.87E-02	2.86E-03	1.29E-03
2213	569596.2	4215407	1.81E-02	2.77E-03	1.25E-03
2214	569596.5	4215416	1.77E-02	2.70E-03	1.22E-03
2215	569596.8	4215426	1.73E-02	2.64E-03	1.19E-03
2216	569597.1	4215435	1.68E-02	2.57E-03	1.16E-03
2217	569589.3	4215388	1.89E-02	2.89E-03	1.31E-03
2218	569592.8	4215379	1.97E-02	3.01E-03	1.36E-03
2219	569596.2	4215370	2.06E-02	3.15E-03	1.42E-03
2220	569599.7	4215361	2.16E-02	3.29E-03	1.49E-03
2221	569603.1	4215352	2.25E-02	3.44E-03	1.55E-03
2222	569606.6	4215343	2.36E-02	3.60E-03	1.63E-03
2223	569610	4215334	2.48E-02	3.79E-03	1.71E-03
2224	569613.5	4215325	2.61E-02	3.99E-03	1.80E-03
2225	569616.9	4215316	2.74E-02	4.19E-03	1.89E-03
2226	569620.4	4215307	2.89E-02	4.41E-03	1.99E-03
2227	569623.8	4215298	3.04E-02	4.64E-03	2.10E-03
2228	569627.3	4215289	3.21E-02	4.90E-03	2.21E-03
2229	569630.7	4215281	3.35E-02	5.12E-03	2.31E-03
2230	569634.2	4215272	3.50E-02	5.35E-03	2.41E-03

2231	569637.6	4215263	3.64E-02	5.56E-03	2.51E-03
2232	569641.1	4215254	3.77E-02	5.76E-03	2.60E-03
2233	569644.5	4215245	3.85E-02	5.89E-03	2.66E-03
2234	569648	4215236	3.96E-02	6.05E-03	2.73E-03
2235	569651.4	4215227	4.10E-02	6.26E-03	2.83E-03
2236	569654.9	4215218	4.10E-02	6.26E-03	2.83E-03
2237	569658.3	4215209	4.07E-02	6.21E-03	2.80E-03
2238	569661.8	4215200	4.02E-02	6.13E-03	2.77E-03
2239	569665.2	4215191	3.96E-02	6.05E-03	2.73E-03
2240	569668.7	4215182	3.91E-02	5.97E-03	2.69E-03
2241	569680.9	4215169	3.92E-02	5.98E-03	2.70E-03
2242	569585.9	4215397	1.82E-02	2.78E-03	1.25E-03
2243	569586.2	4215407	1.76E-02	2.69E-03	1.21E-03
2244	569586.5	4215416	1.72E-02	2.62E-03	1.18E-03
2245	569586.8	4215426	1.68E-02	2.56E-03	1.15E-03
2246	569587.1	4215436	1.63E-02	2.50E-03	1.13E-03
2247	569918.2	4215544	2.77E-02	4.23E-03	1.91E-03
2248	569927.5	4215543	2.82E-02	4.31E-03	1.94E-03
2249	569936.8	4215541	2.87E-02	4.39E-03	1.98E-03
2250	569946.1	4215539	2.93E-02	4.47E-03	2.02E-03
2251	569955.4	4215538	2.99E-02	4.57E-03	2.06E-03
2252	569964.8	4215536	3.06E-02	4.67E-03	2.11E-03
2253	569974.1	4215534	3.14E-02	4.79E-03	2.16E-03
2254	569983.4	4215533	3.23E-02	4.93E-03	2.22E-03
2255	569992.7	4215531	3.32E-02	5.07E-03	2.29E-03
2256	570002	4215529	3.42E-02	5.23E-03	2.36E-03
2257	570011.3	4215527	3.53E-02	5.39E-03	2.43E-03
2258	570020.6	4215526	3.63E-02	5.55E-03	2.50E-03
2259	569911.2	4215552	2.60E-02	3.96E-03	1.79E-03
2260	569902.5	4215550	2.64E-02	4.03E-03	1.82E-03
2261	569929.3	4215552	2.59E-02	3.96E-03	1.79E-03
2262	569938.6	4215551	2.63E-02	4.02E-03	1.81E-03
2263	569947.9	4215549	2.68E-02	4.09E-03	1.85E-03
2264	569957.2	4215547	2.73E-02	4.17E-03	1.88E-03
2265	569966.5	4215546	2.79E-02	4.26E-03	1.92E-03
2266	569975.8	4215544	2.85E-02	4.35E-03	1.96E-03
2267	569985.2	4215542	2.92E-02	4.46E-03	2.01E-03
2268	569994.5	4215541	3.00E-02	4.58E-03	2.07E-03
2269	570003.8	4215539	3.08E-02	4.70E-03	2.12E-03
2270	570013.1	4215537	3.16E-02	4.83E-03	2.18E-03
2271	570022.4	4215536	3.25E-02	4.96E-03	2.24E-03
2272	569913	4215562	2.39E-02	3.66E-03	1.65E-03
2273	569895.7	4215557	2.48E-02	3.78E-03	1.71E-03
2274	569878.3	4215553	2.56E-02	3.91E-03	1.76E-03
2275	569921.7	4215564	2.35E-02	3.59E-03	1.62E-03
2276	569931	4215562	2.39E-02	3.64E-03	1.64E-03
2277	569940.3	4215561	2.42E-02	3.70E-03	1.67E-03
2278	569949.7	4215559	2.46E-02	3.75E-03	1.69E-03
2279	569959	4215557	2.50E-02	3.82E-03	1.72E-03
2280	569968.3	4215556	2.55E-02	3.89E-03	1.76E-03
2281	569977.6	4215554	2.60E-02	3.97E-03	1.79E-03
2282	569986.9	4215552	2.66E-02	4.06E-03	1.83E-03

2283	569996.2	4215551	2.72E-02	4.15E-03	1.87E-03
2284	570005.6	4215549	2.78E-02	4.24E-03	1.92E-03
2285	570014.9	4215547	2.85E-02	4.35E-03	1.96E-03
2286	570024.2	4215546	2.91E-02	4.45E-03	2.01E-03
2287	570033.5	4215544	2.97E-02	4.54E-03	2.05E-03
2288	569914.8	4215572	2.21E-02	3.38E-03	1.52E-03
2289	569897.6	4215567	2.29E-02	3.50E-03	1.58E-03
2290	569880.3	4215563	2.37E-02	3.62E-03	1.63E-03
2291	569863	4215558	2.44E-02	3.73E-03	1.68E-03
2292	569923.5	4215574	2.17E-02	3.32E-03	1.50E-03
2293	569932.8	4215572	2.20E-02	3.36E-03	1.52E-03
2294	569942.1	4215570	2.23E-02	3.41E-03	1.54E-03
2295	569951.4	4215569	2.26E-02	3.46E-03	1.56E-03
2296	569960.7	4215567	2.30E-02	3.51E-03	1.58E-03
2297	569970.1	4215565	2.34E-02	3.57E-03	1.61E-03
2298	569979.4	4215564	2.38E-02	3.63E-03	1.64E-03
2299	569988.7	4215562	2.42E-02	3.70E-03	1.67E-03
2300	569998	4215560	2.47E-02	3.77E-03	1.70E-03
2301	570007.3	4215559	2.52E-02	3.85E-03	1.74E-03
2302	570016.6	4215557	2.58E-02	3.93E-03	1.78E-03
2303	570026	4215555	2.63E-02	4.02E-03	1.81E-03
2304	569916.7	4215581	2.05E-02	3.13E-03	1.41E-03
2305	569899.4	4215577	2.12E-02	3.24E-03	1.46E-03
2306	569882.2	4215573	2.20E-02	3.35E-03	1.51E-03
2307	569865	4215568	2.27E-02	3.46E-03	1.56E-03
2308	569847.8	4215564	2.33E-02	3.56E-03	1.61E-03
2309	569830.6	4215559	2.30E-02	3.51E-03	1.59E-03
2310	569934.6	4215582	2.04E-02	3.11E-03	1.40E-03
2311	569943.9	4215580	2.06E-02	3.15E-03	1.42E-03
2312	569953.2	4215579	2.09E-02	3.19E-03	1.44E-03
2313	569962.5	4215577	2.12E-02	3.24E-03	1.46E-03
2314	569971.8	4215575	2.15E-02	3.29E-03	1.48E-03
2315	569981.1	4215574	2.18E-02	3.33E-03	1.50E-03
2316	569990.5	4215572	2.22E-02	3.39E-03	1.53E-03
2317	569999.8	4215570	2.26E-02	3.45E-03	1.56E-03
2318	570009.1	4215569	2.30E-02	3.52E-03	1.59E-03
2319	570065	4215558	2.60E-02	3.96E-03	1.79E-03
2320	570074.3	4215557	2.67E-02	4.07E-03	1.84E-03
2321	570083.6	4215555	2.74E-02	4.19E-03	1.89E-03
2322	569917.9	4215591	1.90E-02	2.91E-03	1.31E-03
2323	569908.7	4215589	1.94E-02	2.96E-03	1.34E-03
2324	569899.6	4215586	1.98E-02	3.02E-03	1.36E-03
2325	569890.5	4215584	2.02E-02	3.08E-03	1.39E-03
2326	569881.3	4215582	2.05E-02	3.13E-03	1.41E-03
2327	569872.2	4215579	2.09E-02	3.19E-03	1.44E-03
2328	569863	4215577	2.12E-02	3.24E-03	1.46E-03
2329	569853.9	4215575	2.16E-02	3.29E-03	1.49E-03
2330	569844.8	4215572	2.19E-02	3.35E-03	1.51E-03
2331	569835.6	4215570	2.14E-02	3.27E-03	1.48E-03
2332	569826.5	4215568	2.16E-02	3.30E-03	1.49E-03
2333	569817.3	4215565	2.18E-02	3.34E-03	1.51E-03
2334	569808.2	4215563	2.20E-02	3.37E-03	1.52E-03

2335	569927	4215593	1.87E-02	2.85E-03	1.29E-03
2336	569936.3	4215592	1.89E-02	2.88E-03	1.30E-03
2337	569945.7	4215590	1.91E-02	2.92E-03	1.32E-03
2338	569955	4215588	1.94E-02	2.95E-03	1.33E-03
2339	569964.3	4215587	1.96E-02	2.99E-03	1.35E-03
2340	569973.6	4215585	1.99E-02	3.03E-03	1.37E-03
2341	569982.9	4215583	2.01E-02	3.07E-03	1.39E-03
2342	569992.2	4215582	2.04E-02	3.12E-03	1.41E-03
2343	570048.1	4215572	2.28E-02	3.48E-03	1.57E-03
2344	570057.4	4215570	2.32E-02	3.55E-03	1.60E-03
2345	570066.8	4215568	2.38E-02	3.64E-03	1.64E-03
2346	570076.1	4215567	2.45E-02	3.74E-03	1.69E-03
2347	570085.4	4215565	2.52E-02	3.84E-03	1.73E-03
2348	569919.7	4215601	1.77E-02	2.71E-03	1.22E-03
2349	569910.6	4215599	1.81E-02	2.76E-03	1.24E-03
2350	569901.6	4215596	1.84E-02	2.81E-03	1.27E-03
2351	569892.5	4215594	1.88E-02	2.86E-03	1.29E-03
2352	569883.4	4215592	1.91E-02	2.92E-03	1.32E-03
2353	569874.4	4215589	1.94E-02	2.97E-03	1.34E-03
2354	569865.3	4215587	1.98E-02	3.02E-03	1.36E-03
2355	569856.2	4215585	2.01E-02	3.07E-03	1.39E-03
2356	569847.1	4215582	2.04E-02	3.12E-03	1.41E-03
2357	569838.1	4215580	2.07E-02	3.17E-03	1.43E-03
2358	569829	4215578	2.02E-02	3.09E-03	1.39E-03
2359	569819.9	4215575	2.04E-02	3.12E-03	1.41E-03
2360	569810.8	4215573	2.06E-02	3.15E-03	1.42E-03
2361	569801.8	4215571	2.08E-02	3.17E-03	1.43E-03
2362	569792.7	4215568	2.10E-02	3.20E-03	1.45E-03
2363	569928.8	4215603	1.74E-02	2.66E-03	1.20E-03
2364	569938.1	4215602	1.76E-02	2.68E-03	1.21E-03
2365	569947.4	4215600	1.78E-02	2.71E-03	1.22E-03
2366	569956.7	4215598	1.80E-02	2.75E-03	1.24E-03
2367	569966.1	4215597	1.82E-02	2.78E-03	1.25E-03
2368	569975.4	4215595	1.84E-02	2.81E-03	1.27E-03
2369	570031.3	4215585	2.02E-02	3.08E-03	1.39E-03
2370	570040.6	4215583	2.06E-02	3.14E-03	1.42E-03
2371	570049.9	4215582	2.10E-02	3.21E-03	1.45E-03
2372	570059.2	4215580	2.15E-02	3.28E-03	1.48E-03
2373	570068.5	4215578	2.20E-02	3.36E-03	1.52E-03
2374	570077.8	4215576	2.26E-02	3.45E-03	1.56E-03
2375	570087.2	4215575	2.32E-02	3.54E-03	1.60E-03
2376	569921.6	4215611	1.66E-02	2.53E-03	1.14E-03
2377	569912.5	4215609	1.69E-02	2.57E-03	1.16E-03
2378	569903.5	4215606	1.72E-02	2.62E-03	1.18E-03
2379	569894.5	4215604	1.75E-02	2.67E-03	1.20E-03
2380	569885.5	4215602	1.78E-02	2.72E-03	1.23E-03
2381	569876.5	4215599	1.81E-02	2.77E-03	1.25E-03
2382	569867.5	4215597	1.84E-02	2.82E-03	1.27E-03
2383	569858.5	4215595	1.88E-02	2.86E-03	1.29E-03
2384	569849.4	4215592	1.91E-02	2.91E-03	1.31E-03
2385	569840.4	4215590	1.94E-02	2.96E-03	1.33E-03
2386	569831.4	4215588	1.97E-02	3.00E-03	1.35E-03

2387	569822.4	4215585	1.91E-02	2.92E-03	1.32E-03
2388	569813.4	4215583	1.93E-02	2.94E-03	1.33E-03
2389	569804.4	4215581	1.95E-02	2.97E-03	1.34E-03
2390	569795.4	4215578	1.97E-02	3.00E-03	1.35E-03
2391	569786.3	4215576	1.98E-02	3.03E-03	1.37E-03
2392	569930.6	4215613	1.62E-02	2.48E-03	1.12E-03
2393	569939.9	4215611	1.64E-02	2.51E-03	1.13E-03
2394	569949.2	4215610	1.66E-02	2.53E-03	1.14E-03
2395	570005.1	4215600	1.78E-02	2.72E-03	1.23E-03
2396	570014.4	4215598	1.81E-02	2.76E-03	1.25E-03
2397	570023.7	4215596	1.84E-02	2.81E-03	1.27E-03
2398	570033	4215595	1.87E-02	2.86E-03	1.29E-03
2399	570042.3	4215593	1.91E-02	2.92E-03	1.32E-03
2400	570051.7	4215591	1.95E-02	2.98E-03	1.34E-03
2401	570061	4215590	1.99E-02	3.04E-03	1.37E-03
2402	570070.3	4215588	2.04E-02	3.11E-03	1.41E-03
2403	570079.6	4215586	2.09E-02	3.19E-03	1.44E-03
2404	570088.9	4215585	2.15E-02	3.28E-03	1.48E-03
2405	569923.4	4215621	1.55E-02	2.37E-03	1.07E-03
2406	569914.4	4215618	1.58E-02	2.41E-03	1.09E-03
2407	569905.5	4215616	1.61E-02	2.45E-03	1.11E-03
2408	569896.5	4215614	1.63E-02	2.50E-03	1.13E-03
2409	569887.5	4215611	1.66E-02	2.54E-03	1.15E-03
2410	569878.6	4215609	1.69E-02	2.59E-03	1.17E-03
2411	569869.6	4215607	1.72E-02	2.63E-03	1.19E-03
2412	569860.6	4215605	1.75E-02	2.68E-03	1.21E-03
2413	569851.7	4215602	1.78E-02	2.72E-03	1.23E-03
2414	569842.7	4215600	1.81E-02	2.76E-03	1.25E-03
2415	569833.8	4215598	1.84E-02	2.81E-03	1.27E-03
2416	569824.8	4215595	1.87E-02	2.85E-03	1.29E-03
2417	569815.8	4215593	1.81E-02	2.77E-03	1.25E-03
2418	569806.9	4215591	1.83E-02	2.79E-03	1.26E-03
2419	569797.9	4215588	1.85E-02	2.82E-03	1.27E-03
2420	569789	4215586	1.86E-02	2.85E-03	1.28E-03
2421	569932.3	4215623	1.52E-02	2.33E-03	1.05E-03
2422	569988.2	4215613	1.62E-02	2.48E-03	1.12E-03
2423	569997.5	4215611	1.64E-02	2.51E-03	1.13E-03
2424	570006.9	4215610	1.66E-02	2.54E-03	1.15E-03
2425	570016.2	4215608	1.69E-02	2.57E-03	1.16E-03
2426	570025.5	4215606	1.71E-02	2.61E-03	1.18E-03
2427	570034.8	4215605	1.74E-02	2.66E-03	1.20E-03
2428	570044.1	4215603	1.78E-02	2.72E-03	1.23E-03
2429	570053.4	4215601	1.82E-02	2.78E-03	1.25E-03
2430	570062.7	4215600	1.86E-02	2.84E-03	1.28E-03
2431	570072.1	4215598	1.90E-02	2.91E-03	1.31E-03
2432	570081.4	4215596	1.95E-02	2.98E-03	1.34E-03
2433	570090.7	4215595	2.00E-02	3.06E-03	1.38E-03
2434	569925.2	4215631	1.46E-02	2.22E-03	1.00E-03
2435	569916.3	4215628	1.48E-02	2.26E-03	1.02E-03
2436	569907.4	4215626	1.51E-02	2.30E-03	1.04E-03
2437	569898.5	4215624	1.53E-02	2.34E-03	1.06E-03
2438	569889.5	4215621	1.56E-02	2.38E-03	1.07E-03

2439	569880.6	4215619	1.58E-02	2.42E-03	1.09E-03
2440	569871.7	4215617	1.61E-02	2.46E-03	1.11E-03
2441	569862.8	4215615	1.64E-02	2.51E-03	1.13E-03
2442	569853.9	4215612	1.67E-02	2.55E-03	1.15E-03
2443	569845	4215610	1.70E-02	2.59E-03	1.17E-03
2444	569836.1	4215608	1.72E-02	2.63E-03	1.19E-03
2445	569827.1	4215605	1.75E-02	2.67E-03	1.21E-03
2446	569818.2	4215603	1.71E-02	2.61E-03	1.18E-03
2447	569809.3	4215601	1.72E-02	2.63E-03	1.19E-03
2448	569800.4	4215598	1.74E-02	2.65E-03	1.20E-03
2449	569791.5	4215596	1.75E-02	2.68E-03	1.21E-03
2450	569971.4	4215626	1.49E-02	2.27E-03	1.02E-03
2451	569980.7	4215624	1.50E-02	2.29E-03	1.04E-03
2452	569990	4215623	1.52E-02	2.32E-03	1.05E-03
2453	569999.3	4215621	1.54E-02	2.35E-03	1.06E-03
2454	570008.6	4215619	1.56E-02	2.38E-03	1.07E-03
2455	570017.9	4215618	1.58E-02	2.41E-03	1.09E-03
2456	570027.3	4215616	1.60E-02	2.44E-03	1.10E-03
2457	570036.6	4215614	1.63E-02	2.49E-03	1.12E-03
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2471	569847.2	4215620	1.59E-02	2.43E-03	1.10E-03
2472	569838.3	4215618	1.62E-02	2.47E-03	1.11E-03
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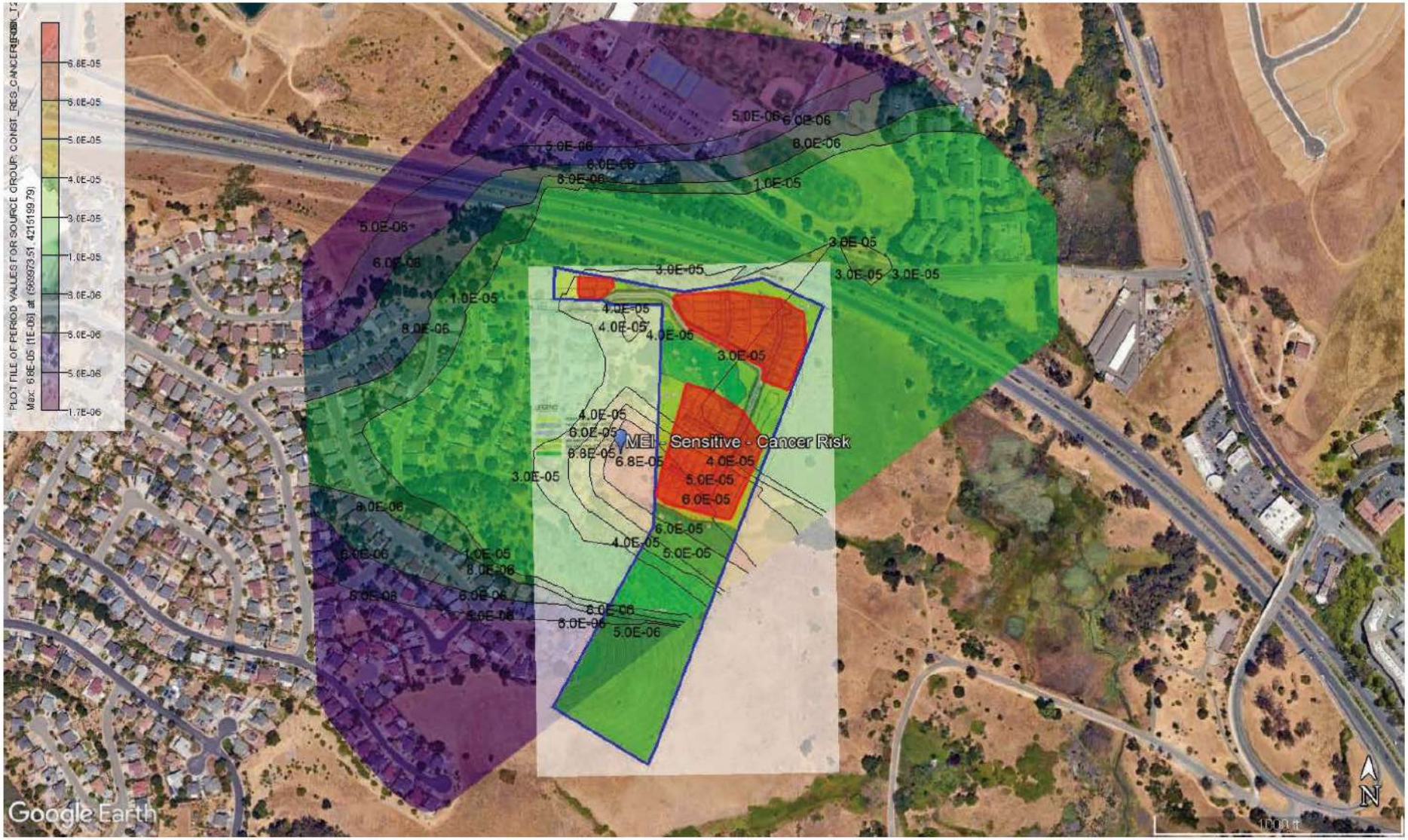
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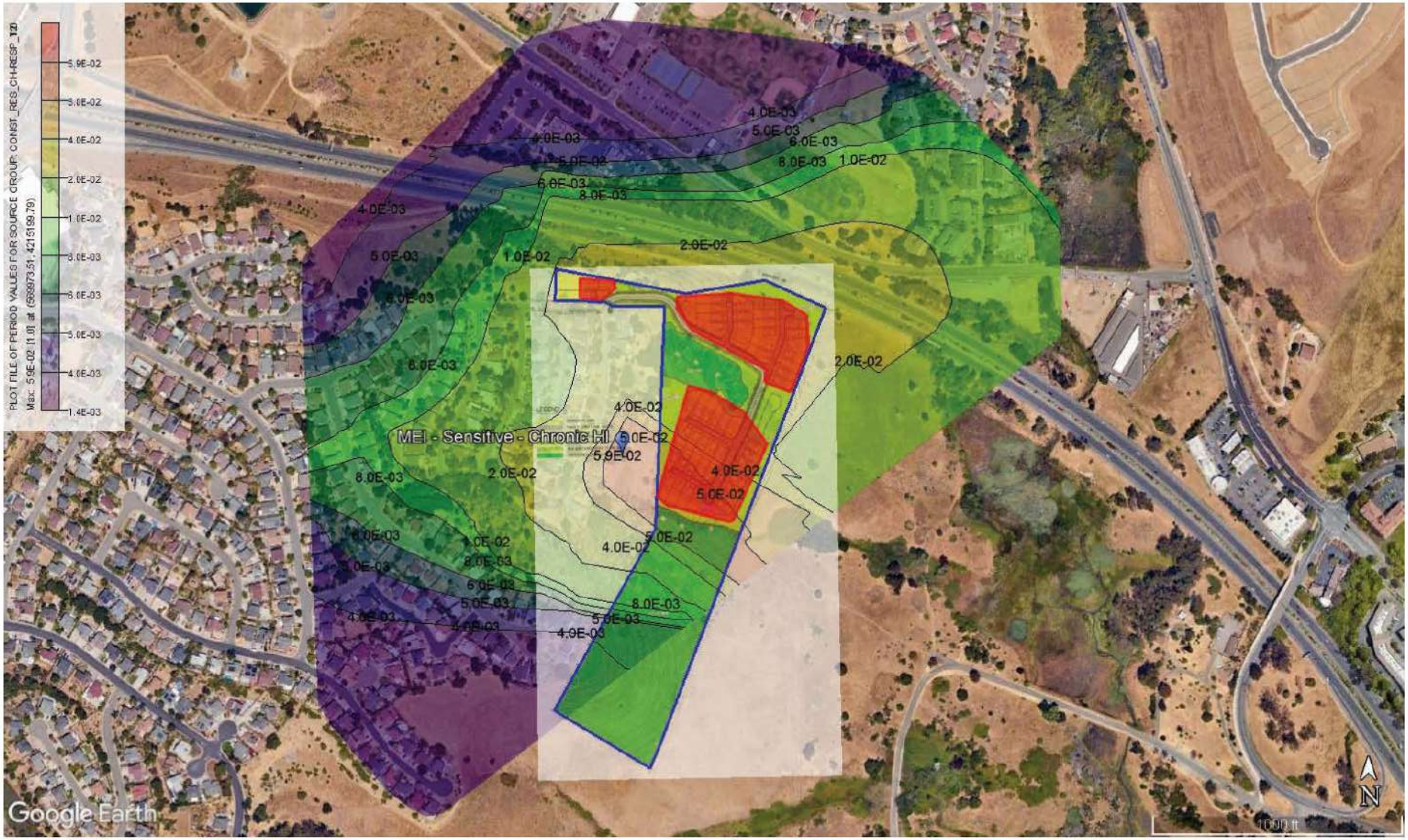
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2680	570097.3	4215685	1.17E-02	1.79E-03	8.07E-04
2681	569941.1	4215719	9.13E-03	1.39E-03	6.29E-04
2682	569932.1	4215717	9.24E-03	1.41E-03	6.36E-04
2683	569923.2	4215715	9.34E-03	1.43E-03	6.44E-04
2684	569914.2	4215712	9.45E-03	1.44E-03	6.52E-04
2685	569905.2	4215710	9.57E-03	1.46E-03	6.59E-04
2686	569896.3	4215708	9.69E-03	1.48E-03	6.68E-04
2687	569887.3	4215705	9.82E-03	1.50E-03	6.77E-04
2688	569878.3	4215703	9.96E-03	1.52E-03	6.86E-04
2689	569869.4	4215701	9.62E-03	1.47E-03	6.63E-04
2690	569950	4215721	9.03E-03	1.38E-03	6.23E-04
2691	569959.4	4215720	9.10E-03	1.39E-03	6.27E-04
2692	569968.7	4215718	9.17E-03	1.40E-03	6.32E-04
2693	569978	4215716	9.24E-03	1.41E-03	6.37E-04
2694	569987.3	4215715	9.32E-03	1.42E-03	6.43E-04
2695	569996.6	4215713	9.41E-03	1.44E-03	6.48E-04
2696	570005.9	4215711	9.50E-03	1.45E-03	6.55E-04
2697	570015.2	4215710	9.59E-03	1.46E-03	6.61E-04
2698	570024.6	4215708	9.70E-03	1.48E-03	6.68E-04

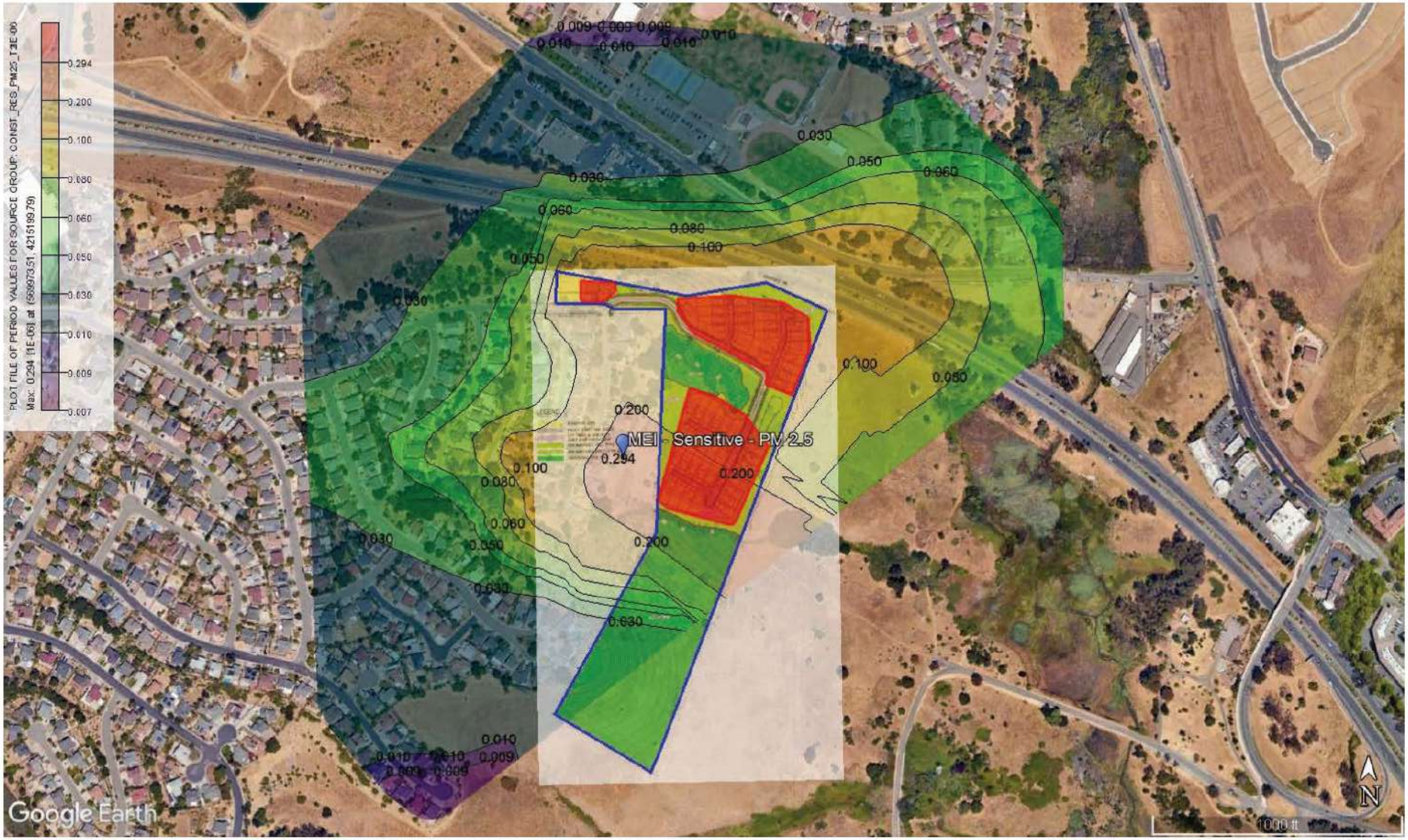
2699	570033.9	4215706	9.83E-03	1.50E-03	6.77E-04
2700	570043.2	4215705	9.97E-03	1.52E-03	6.87E-04
2701	570052.5	4215703	1.01E-02	1.55E-03	6.98E-04
2702	570061.8	4215701	1.03E-02	1.57E-03	7.10E-04
2703	570071.1	4215700	1.05E-02	1.60E-03	7.23E-04
2704	570080.5	4215698	1.07E-02	1.63E-03	7.37E-04
2705	570089.8	4215696	1.09E-02	1.67E-03	7.52E-04
2706	570099.1	4215695	1.12E-02	1.71E-03	7.70E-04
2707	570108.4	4215693	1.14E-02	1.75E-03	7.88E-04
2708	569942.9	4215729	8.75E-03	1.34E-03	6.03E-04
2709	569933.9	4215727	8.84E-03	1.35E-03	6.09E-04
2710	569925	4215724	8.94E-03	1.37E-03	6.16E-04
2711	569916.1	4215722	9.04E-03	1.38E-03	6.23E-04
2712	569907.2	4215720	9.15E-03	1.40E-03	6.30E-04
2713	569898.2	4215717	9.26E-03	1.41E-03	6.38E-04
2714	569889.3	4215715	9.38E-03	1.43E-03	6.46E-04
2715	569880.4	4215713	9.50E-03	1.45E-03	6.54E-04
2716	569871.4	4215711	9.19E-03	1.40E-03	6.33E-04
2717	569862.5	4215708	9.25E-03	1.41E-03	6.37E-04
2718	569591.2	4215444	1.63E-02	2.48E-03	1.12E-03
2719	569951.8	4215731	8.66E-03	1.32E-03	5.96E-04
2720	569961.1	4215730	8.71E-03	1.33E-03	6.00E-04
2721	569970.4	4215728	8.78E-03	1.34E-03	6.05E-04
2722	569979.8	4215726	8.85E-03	1.35E-03	6.10E-04
2723	569989.1	4215725	8.93E-03	1.36E-03	6.15E-04
2724	569998.4	4215723	9.01E-03	1.38E-03	6.21E-04
2725	570007.7	4215721	9.09E-03	1.39E-03	6.27E-04
2726	570017	4215720	9.18E-03	1.40E-03	6.33E-04
2727	570026.3	4215718	9.29E-03	1.42E-03	6.40E-04
2728	570035.6	4215716	9.40E-03	1.44E-03	6.48E-04
2729	570045	4215714	9.53E-03	1.46E-03	6.57E-04
2730	570054.3	4215713	9.68E-03	1.48E-03	6.67E-04
2731	570063.6	4215711	9.84E-03	1.50E-03	6.78E-04
2732	570072.9	4215709	1.00E-02	1.53E-03	6.90E-04
2733	570082.2	4215708	1.02E-02	1.56E-03	7.03E-04
2734	570091.5	4215706	1.04E-02	1.59E-03	7.18E-04
2735	570134.3	4215513	4.66E-02	7.11E-03	3.21E-03
2736	570122.9	4215521	4.07E-02	6.22E-03	2.81E-03
2737	570111.5	4215529	3.62E-02	5.53E-03	2.50E-03
2738	570121.1	4215531	3.65E-02	5.57E-03	2.51E-03
2739	570100.1	4215538	3.28E-02	5.02E-03	2.26E-03
2740	570109.8	4215539	3.28E-02	5.01E-03	2.26E-03
2741	570119.4	4215541	3.30E-02	5.04E-03	2.27E-03
2742	570129	4215543	3.34E-02	5.10E-03	2.30E-03
2743	570098.4	4215547	2.99E-02	4.57E-03	2.06E-03
2744	570108	4215549	2.99E-02	4.56E-03	2.06E-03
2745	570117.7	4215551	3.00E-02	4.58E-03	2.07E-03
2746	570096.7	4215557	2.73E-02	4.17E-03	1.88E-03
2747	570106.3	4215559	2.73E-02	4.17E-03	1.88E-03
2748	570115.9	4215561	2.74E-02	4.19E-03	1.89E-03
2749	570094.9	4215567	2.50E-02	3.82E-03	1.72E-03
2750	570104.6	4215569	2.50E-02	3.82E-03	1.73E-03

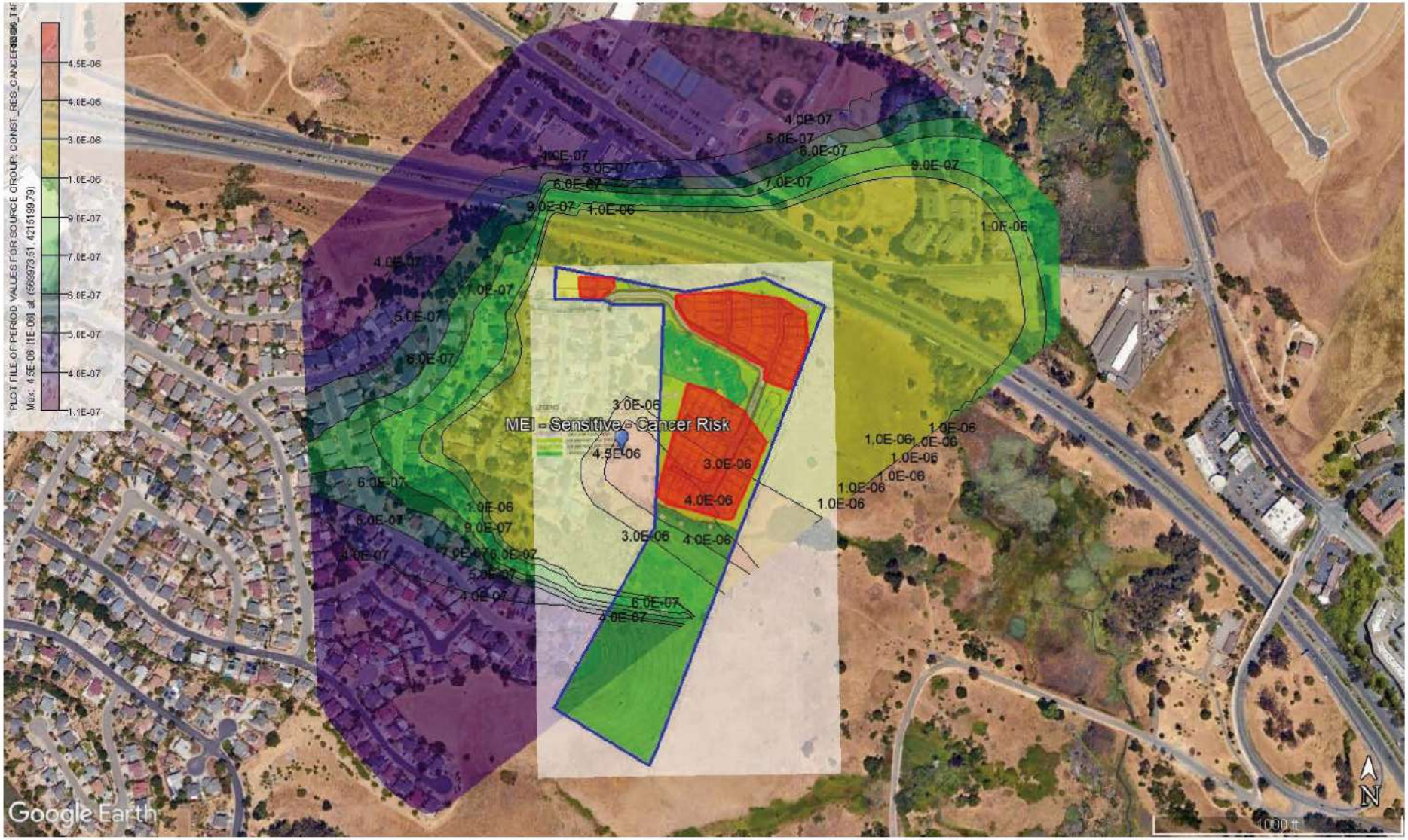
2751	570114.2	4215571	2.51E-02	3.84E-03	1.73E-03
2752	570123.8	4215572	2.54E-02	3.88E-03	1.75E-03
2753	570102.8	4215579	2.30E-02	3.52E-03	1.59E-03
2754	570112.5	4215580	2.31E-02	3.53E-03	1.59E-03
2755	570122.1	4215582	2.34E-02	3.57E-03	1.61E-03
2756	570101.1	4215589	2.13E-02	3.25E-03	1.47E-03
2757	570110.7	4215590	2.14E-02	3.27E-03	1.48E-03
2758	570099.3	4215598	1.98E-02	3.02E-03	1.36E-03
2759	570109	4215600	1.99E-02	3.05E-03	1.37E-03
2760	570118.6	4215602	2.01E-02	3.07E-03	1.39E-03
2761	570107.2	4215610	1.86E-02	2.84E-03	1.28E-03
2762	570105.5	4215620	1.74E-02	2.66E-03	1.20E-03
2763	570113.4	4215631	1.64E-02	2.50E-03	1.13E-03
2764	570111.7	4215641	1.54E-02	2.34E-03	1.06E-03
2765	570088.1	4215718	9.78E-03	1.49E-03	6.74E-04
2766	570097.7	4215720	9.84E-03	1.50E-03	6.78E-04

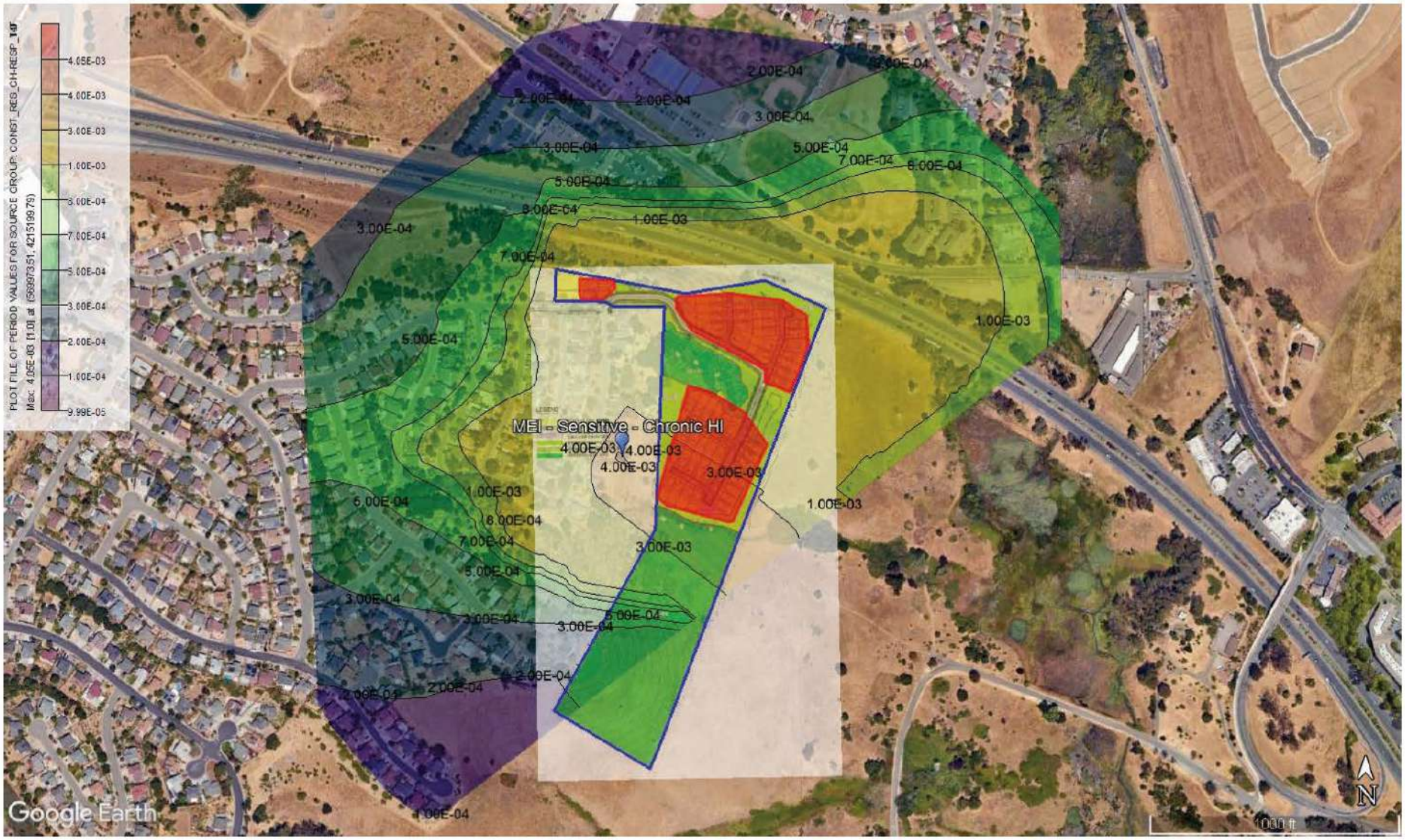

Saint Patrick Saint Vincent High School
Soccer field
California Highway Patrol
Athletic track
SPSV Football Field
Safeway
Domino's Pizza
Secure Space Self Storage Vallejo
Central Bark Pet Grooming
Starbucks
Genworth Financial
Benicia State Recreation Area Camping
Google Earth
N
1000 ft

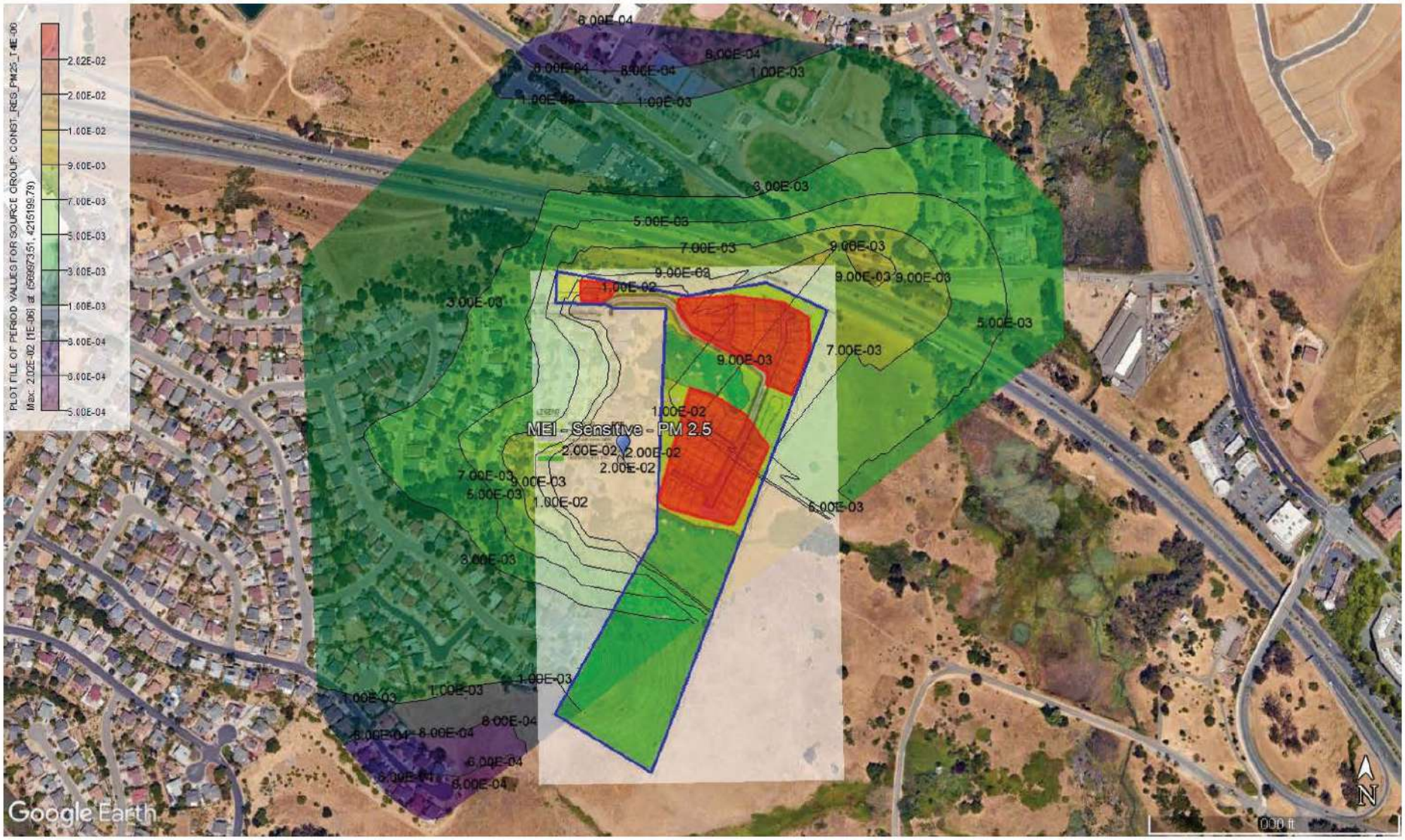

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCER
Max: 6.8E-05 (1E-06) at (569973.51, 4215199.79)
6.8E-05
6.0E-05
5.0E-05
4.0E-05
3.0E-05
1.0E-05
8.0E-06
6.0E-06
5.0E-06
1.7E-06
MEI - Sensitive - Cancer Risk
Google Earth
N

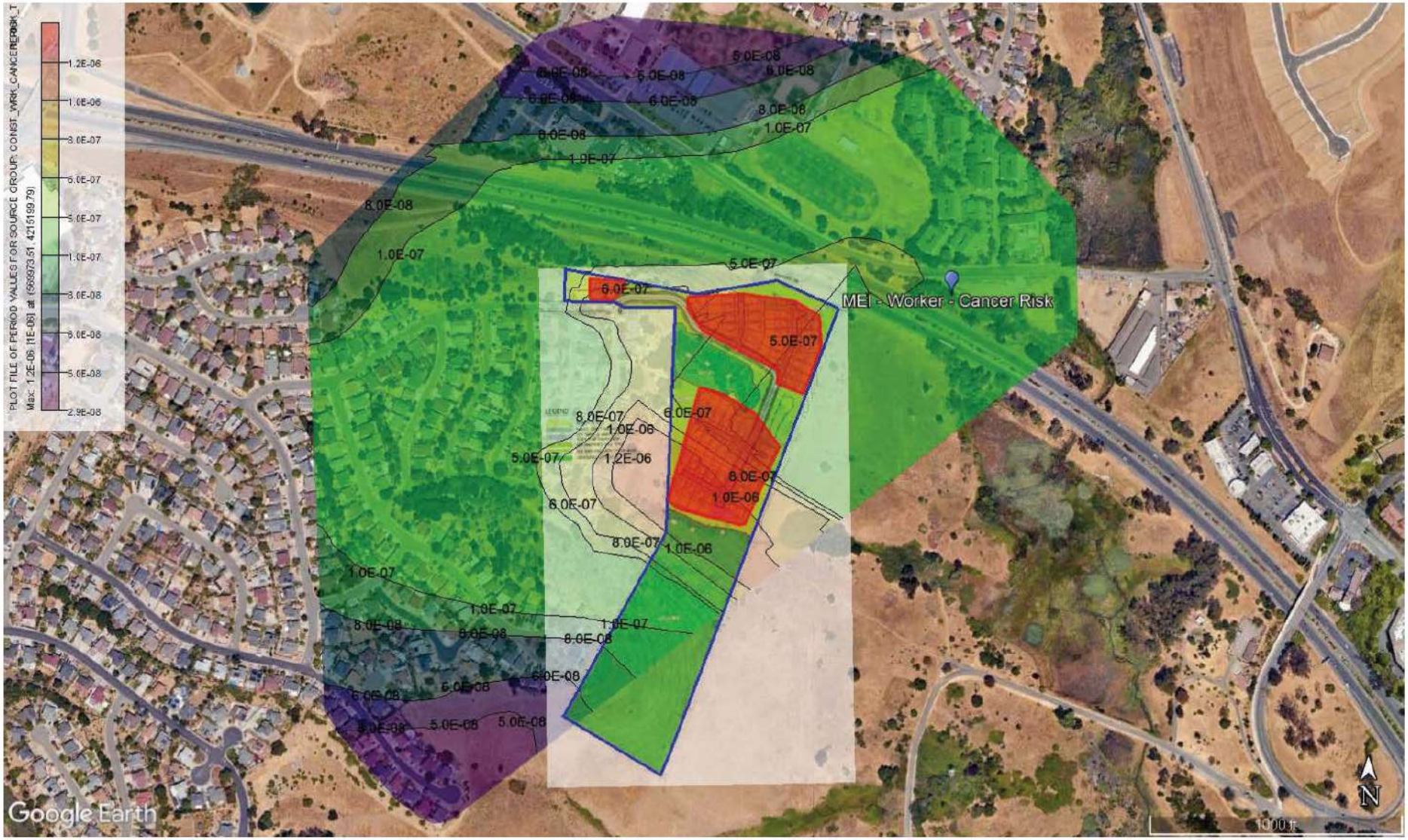

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CH-RESF_1ZD
Max: 5.9E-02 (1.00) at (588973.51, 4215199.79)
5.9E-02
5.0E-02
4.0E-02
2.0E-02
1.0E-02
8.0E-03
6.0E-03
5.0E-03
4.0E-03
1.4E-03
MEI - Sensitive - Chronic HI
Google Earth
N
1000 ft

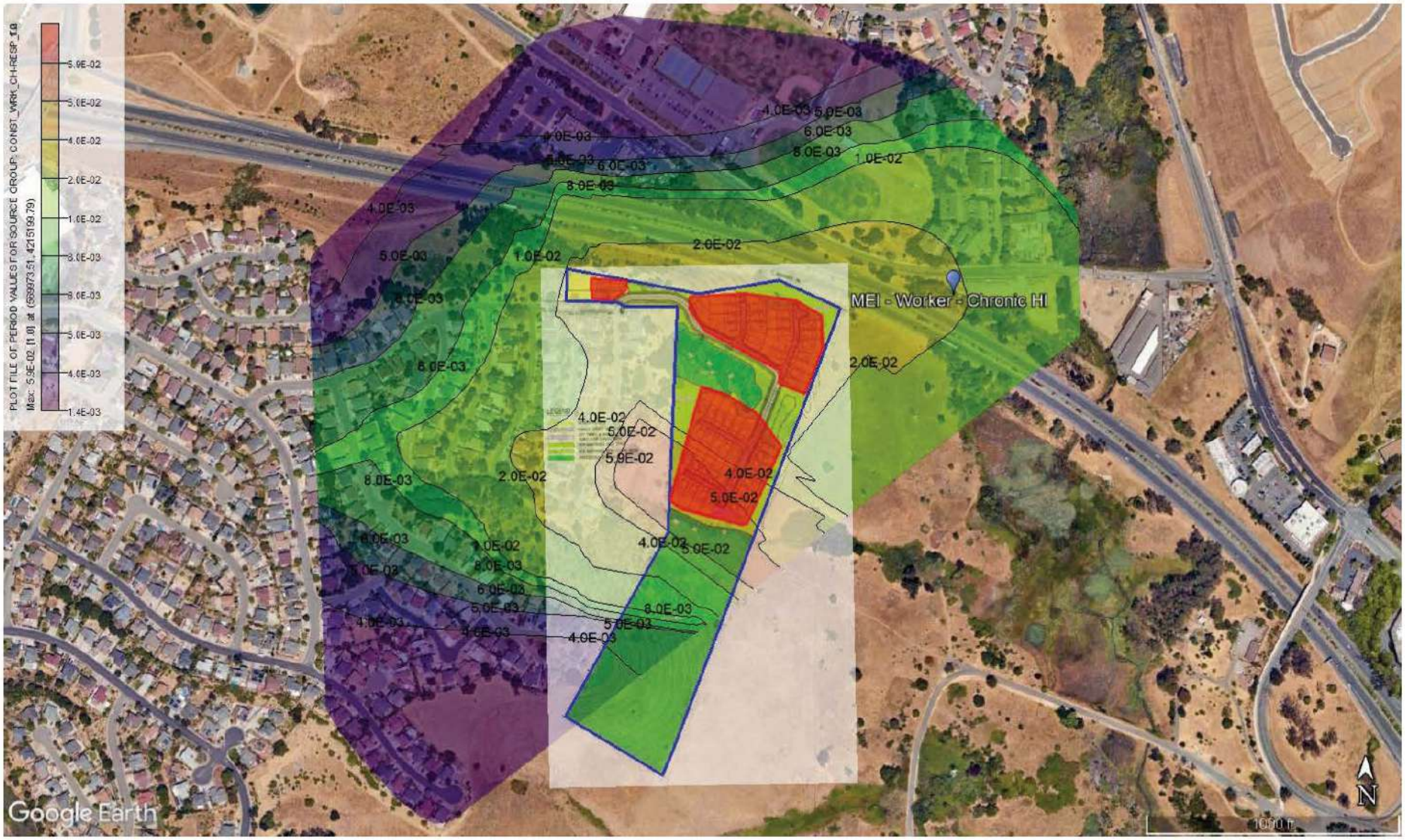

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_REG_PM25_T3E-06
Max: 0.294 (1E-06) at (569973.51, 4215199.79)
0.294
0.200
0.100
0.080
0.060
0.050
0.030
0.010
0.009
0.007
MEI - Sensitive - PM 2.5
Google Earth
1000 ft
N

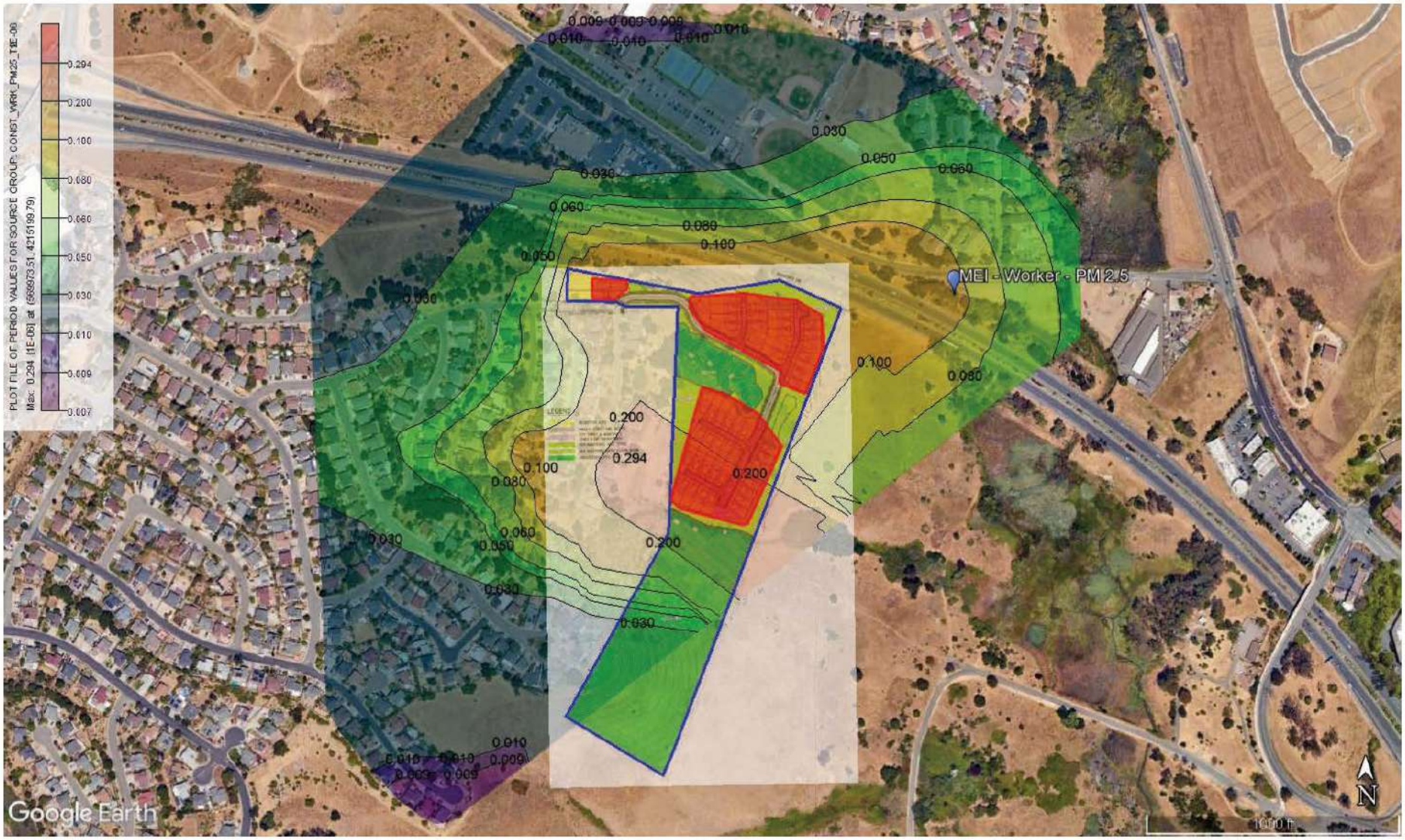

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_RES_CANCER
Max: 4.5E-06 [1E-06] at (588973.51, 4215199.79)
4.5E-06
4.0E-06
3.0E-06
2.0E-06
1.0E-06
9.0E-07
7.0E-07
6.0E-07
5.0E-07
4.0E-07
1.0E-07
MEI - Sensitive - Cancer Risk
Google Earth
N

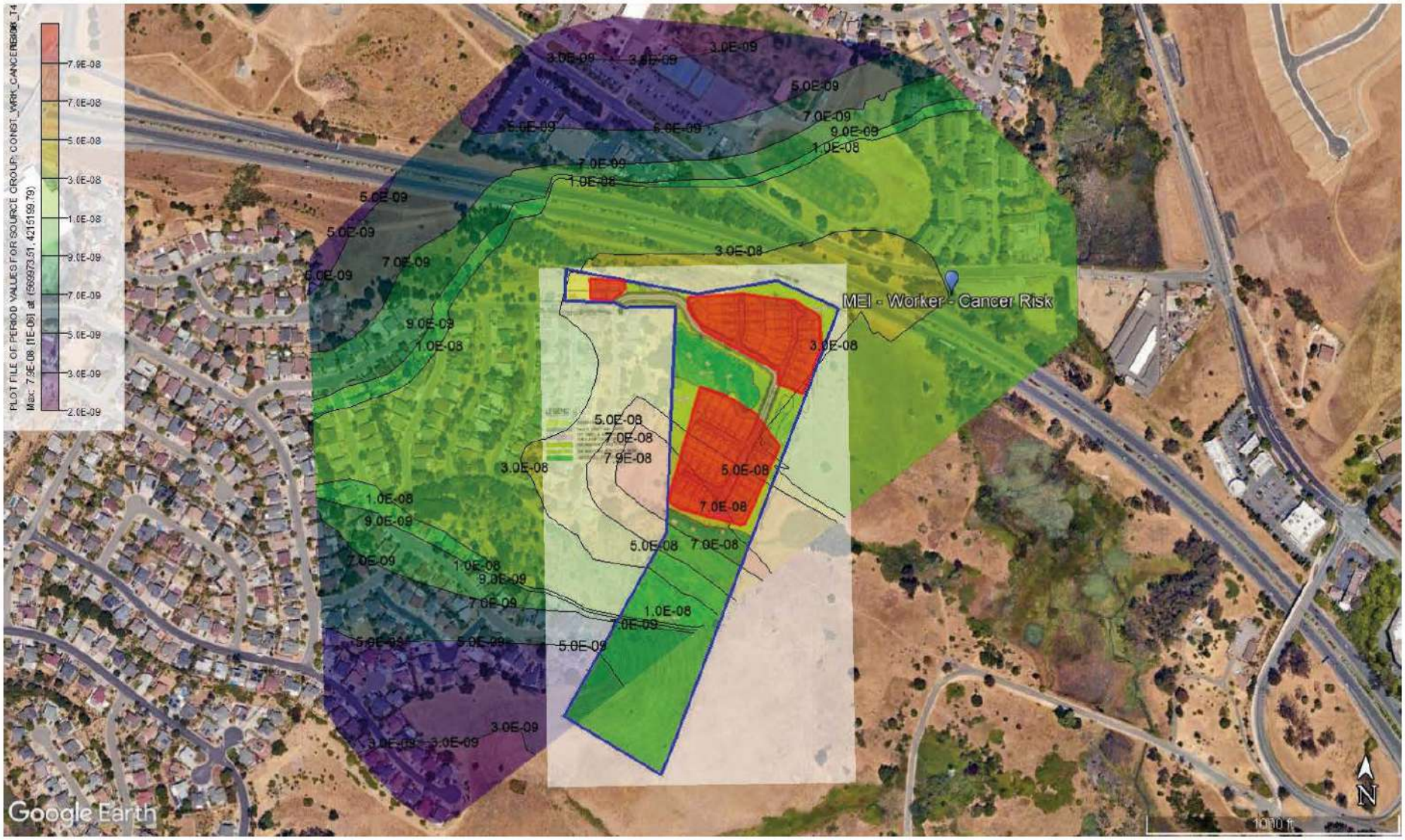

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_REG_CH-REGP_1HF
Max: 4.05E-03 (1.0) at (569973.51, 4215199.79)
4.05E-03
4.00E-03
3.00E-03
1.00E-03
9.00E-04
8.00E-04
7.00E-04
6.00E-04
5.00E-04
4.00E-04
3.00E-04
2.00E-04
1.00E-04
9.99E-05
MEI - Sensitive - Chronic HI
Google Earth
N
1000 ft

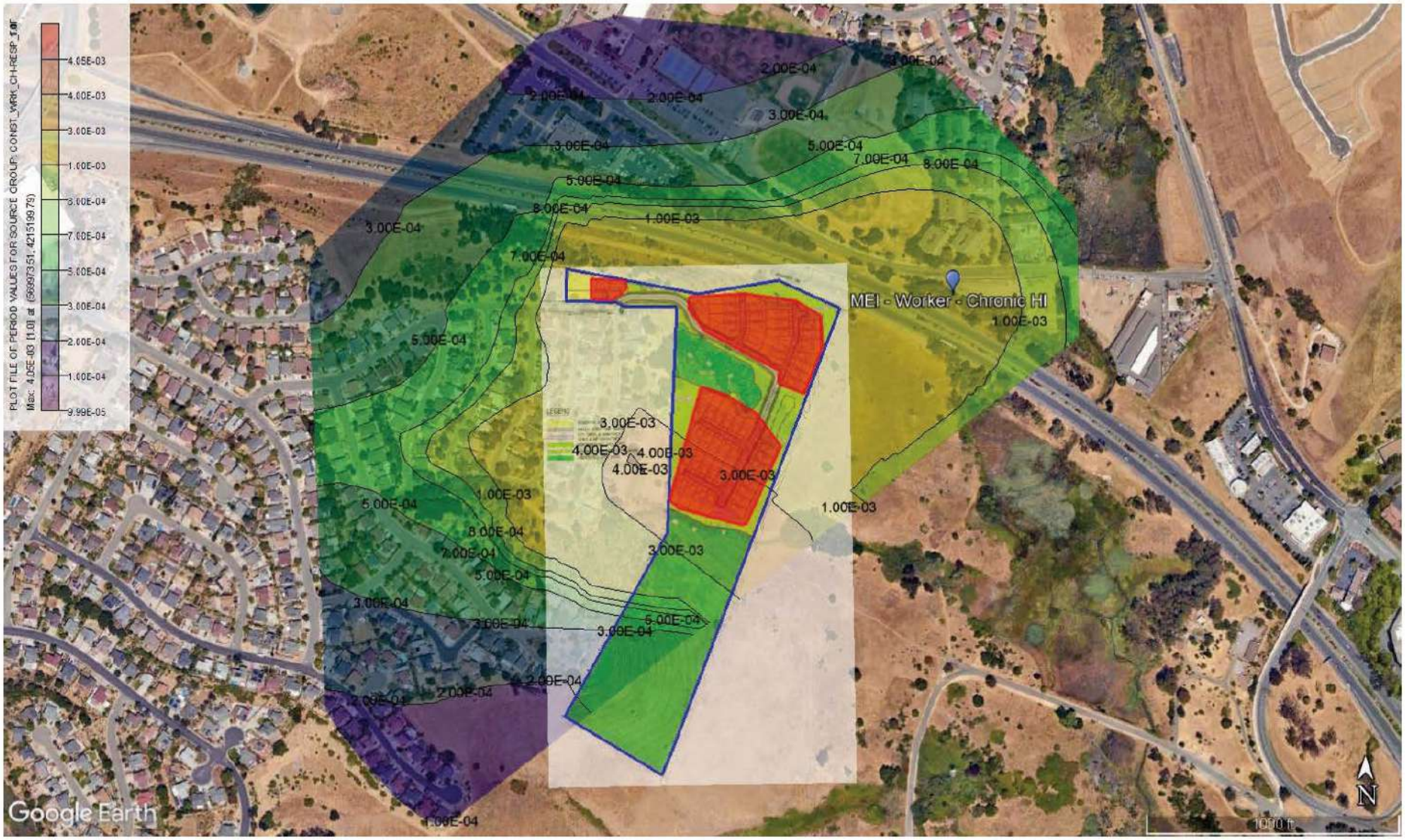

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_REG_PM25_T4E-06
Max: 2.02E-02 (1E-06) at (569973.51, 4215196.79)
2.02E-02
2.00E-02
1.00E-02
9.00E-03
7.00E-03
5.00E-03
3.00E-03
1.00E-03
8.00E-04
6.00E-04
5.00E-04
MEI - Sensitive - PM 2.5
Google Earth
N
000 ft

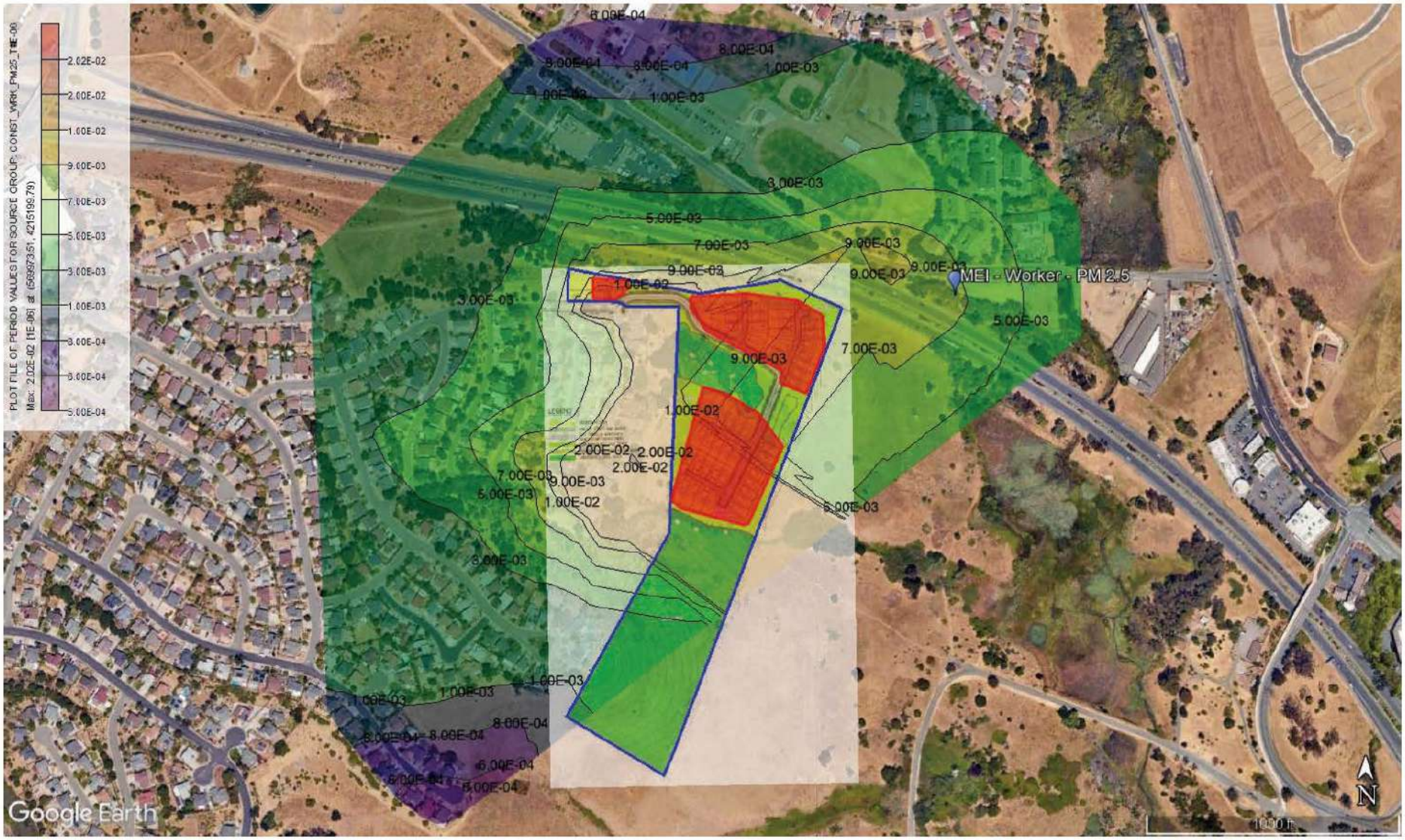

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERPOSH_T
Max: 1.2E-06 [1E-06] at (568973.51, 4215199.79)
1.2E-06
1.0E-06
8.0E-07
6.0E-07
5.0E-07
1.0E-07
8.0E-08
5.0E-08
2.9E-08
MEI - Worker - Cancer Risk
Google Earth
N
1000 ft

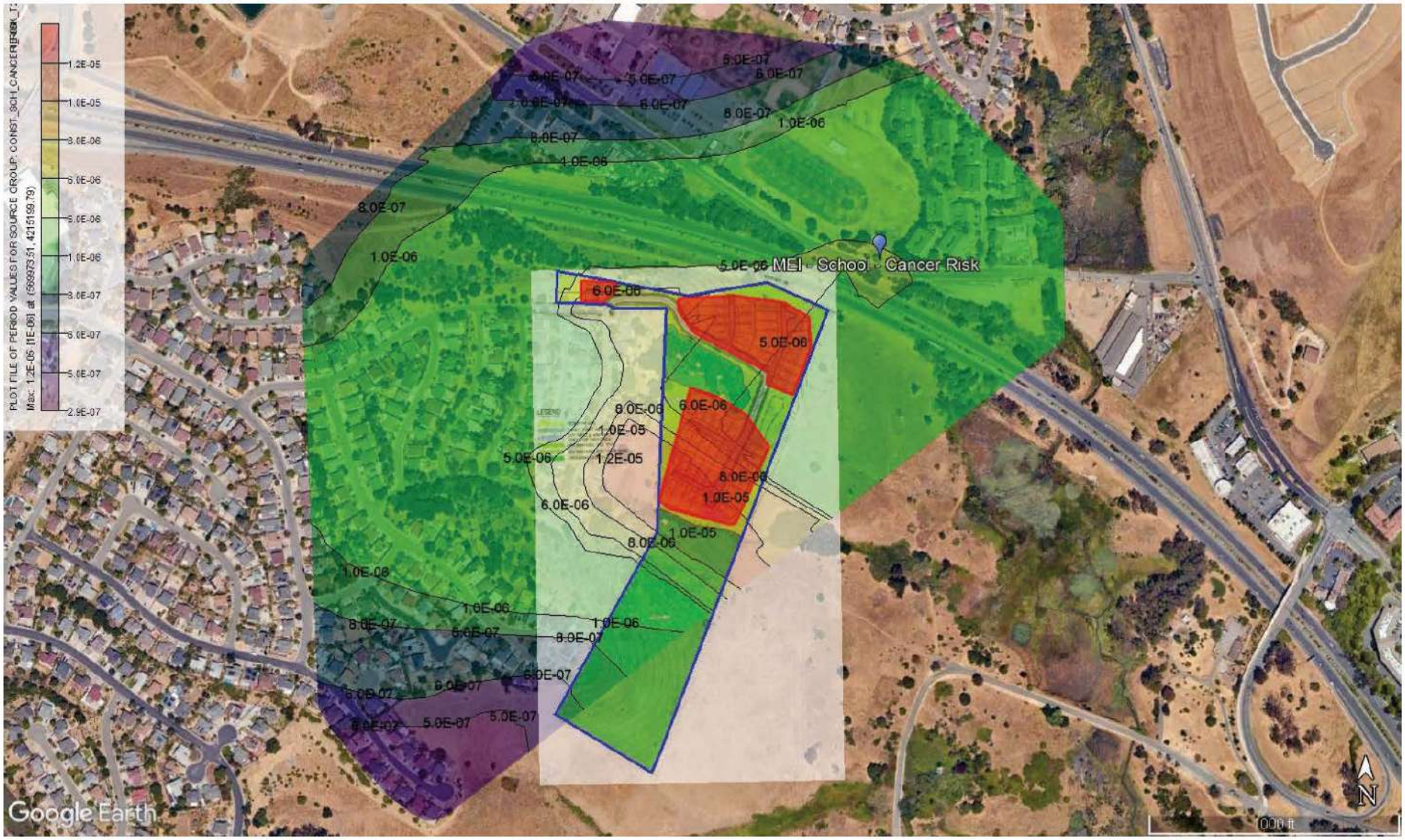

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CH-RESP_10
Max: 5.9E-02 (1.0) at (699973.51, 4215199.79)
5.9E-02
5.0E-02
4.0E-02
2.0E-02
1.0E-02
8.0E-03
6.0E-03
5.0E-03
4.0E-03
1.4E-03
MEI - Worker - Chronic HI
Google Earth
N

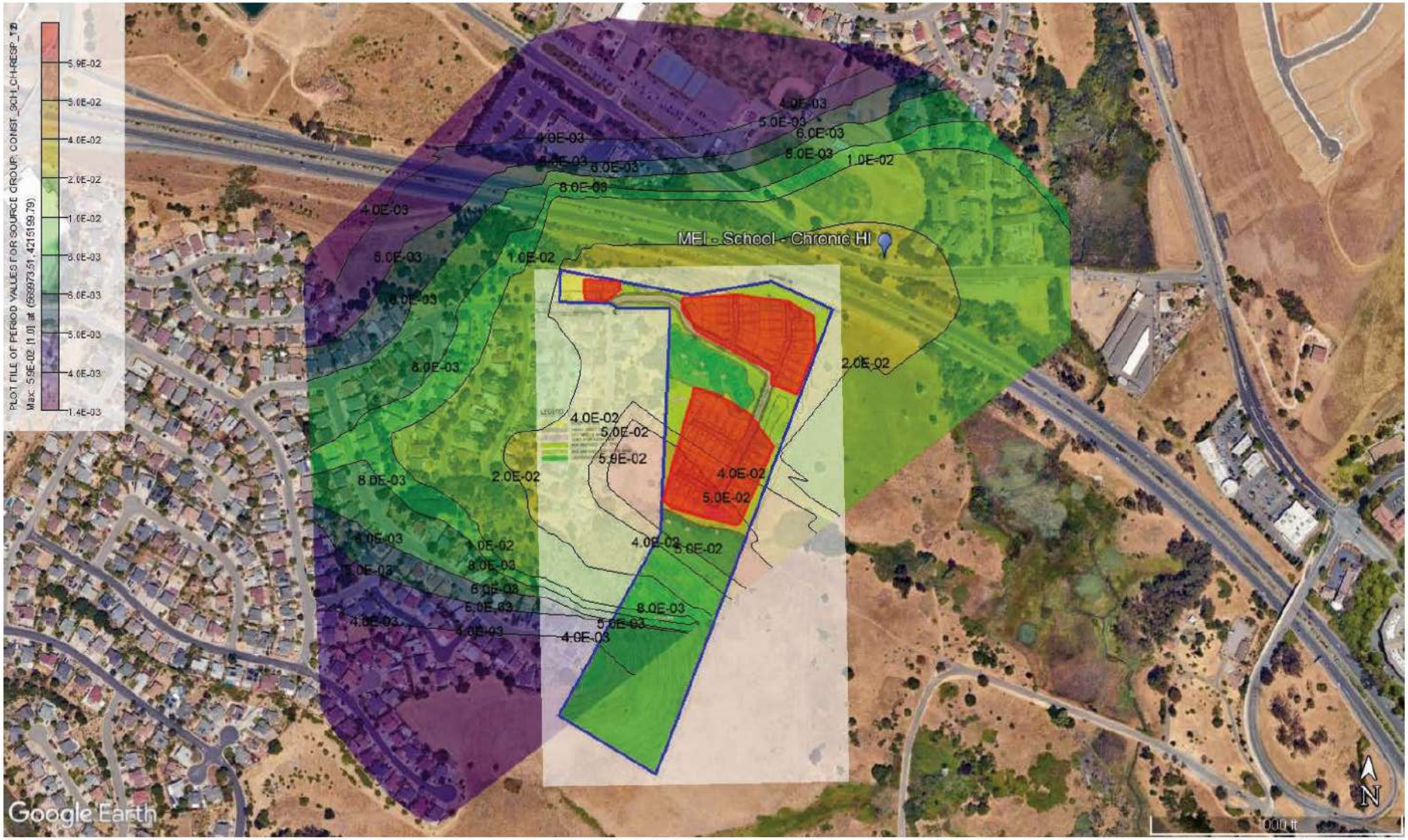

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_PM25_TIE-08
Max: 0.294 (1E-06) at (569973.51, 4215199.79)
0.294
0.200
0.100
0.080
0.060
0.050
0.030
0.010
0.009
0.007
MEI - Worker - PM 2.5
Google Earth
N

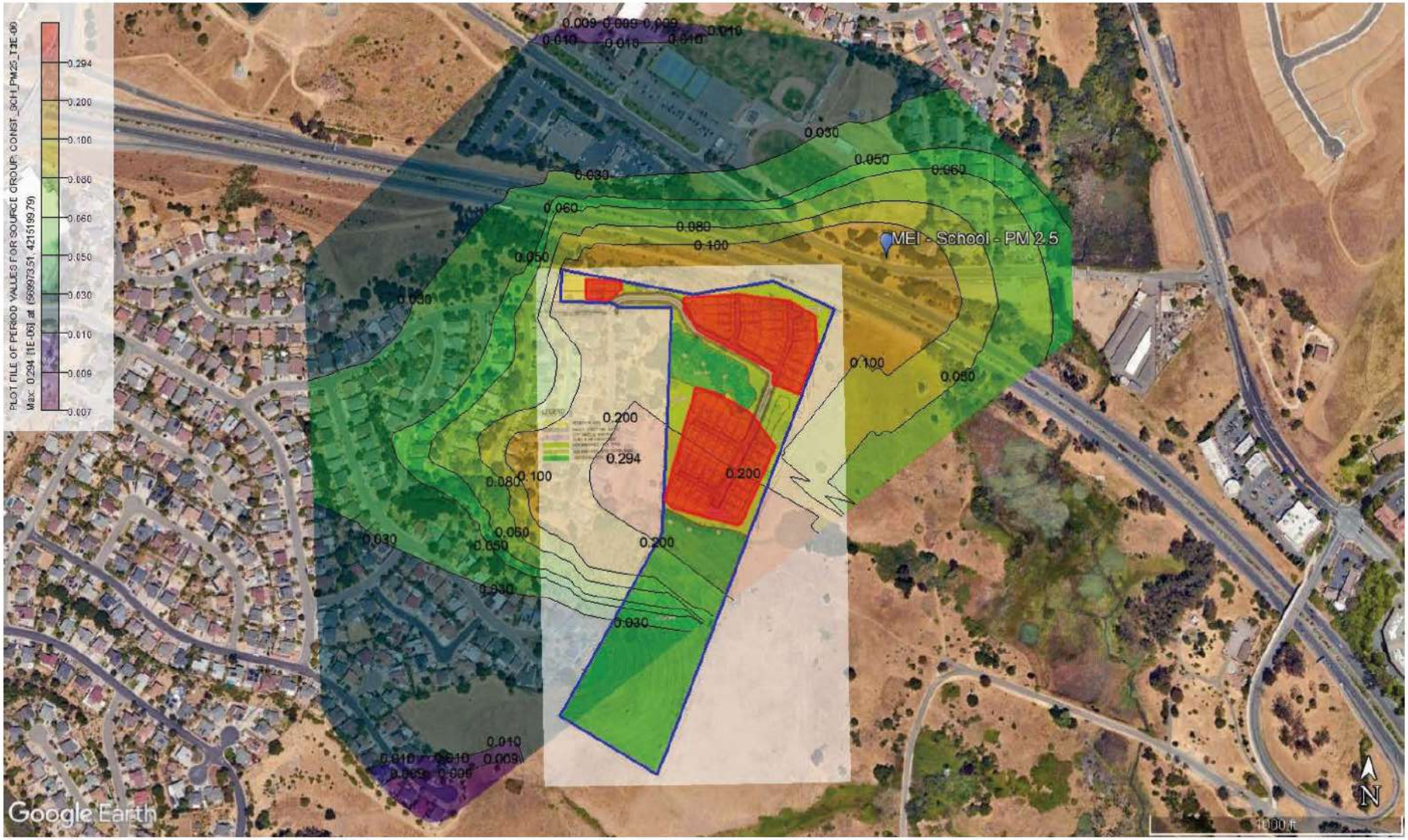

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CANCERISK96_T4
Max: 7.9E-08 [1E-06] at (569973.51, 4215199.79)
7.9E-08
7.0E-08
5.0E-08
3.0E-08
1.0E-08
9.0E-09
7.0E-09
5.0E-09
3.0E-09
2.0E-09
MEI - Worker - Cancer Risk
Google Earth
N

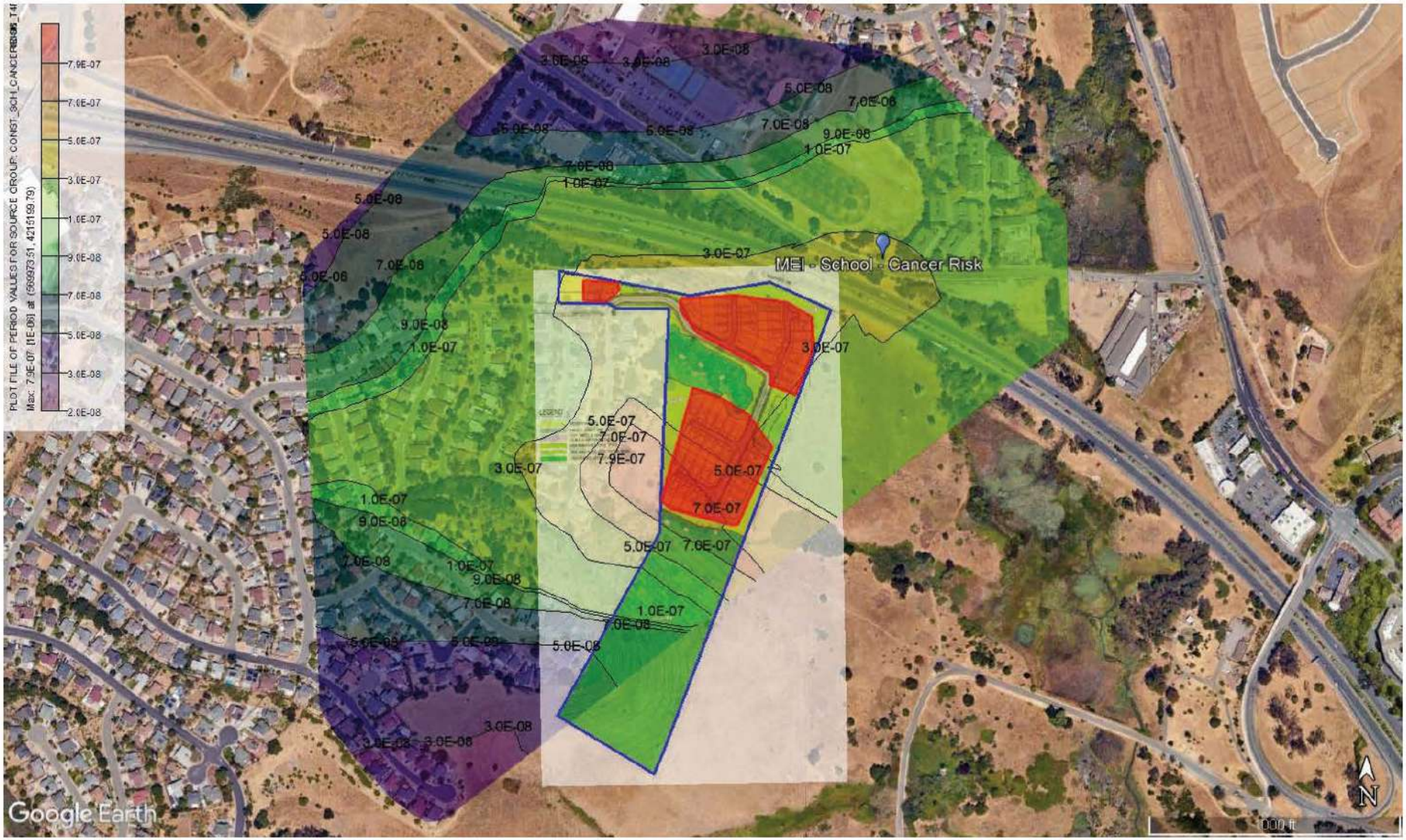

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_CH-RESP_100
Max: 4.05E-03 (1.0) at (566973.51, 4215199.79)
4.05E-03
4.00E-03
3.00E-03
1.00E-03
8.00E-04
7.00E-04
6.00E-04
5.00E-04
4.00E-04
3.00E-04
2.00E-04
1.00E-04
9.99E-05
MEI - Worker - Chronic HI
1.00E-03
Google Earth
N

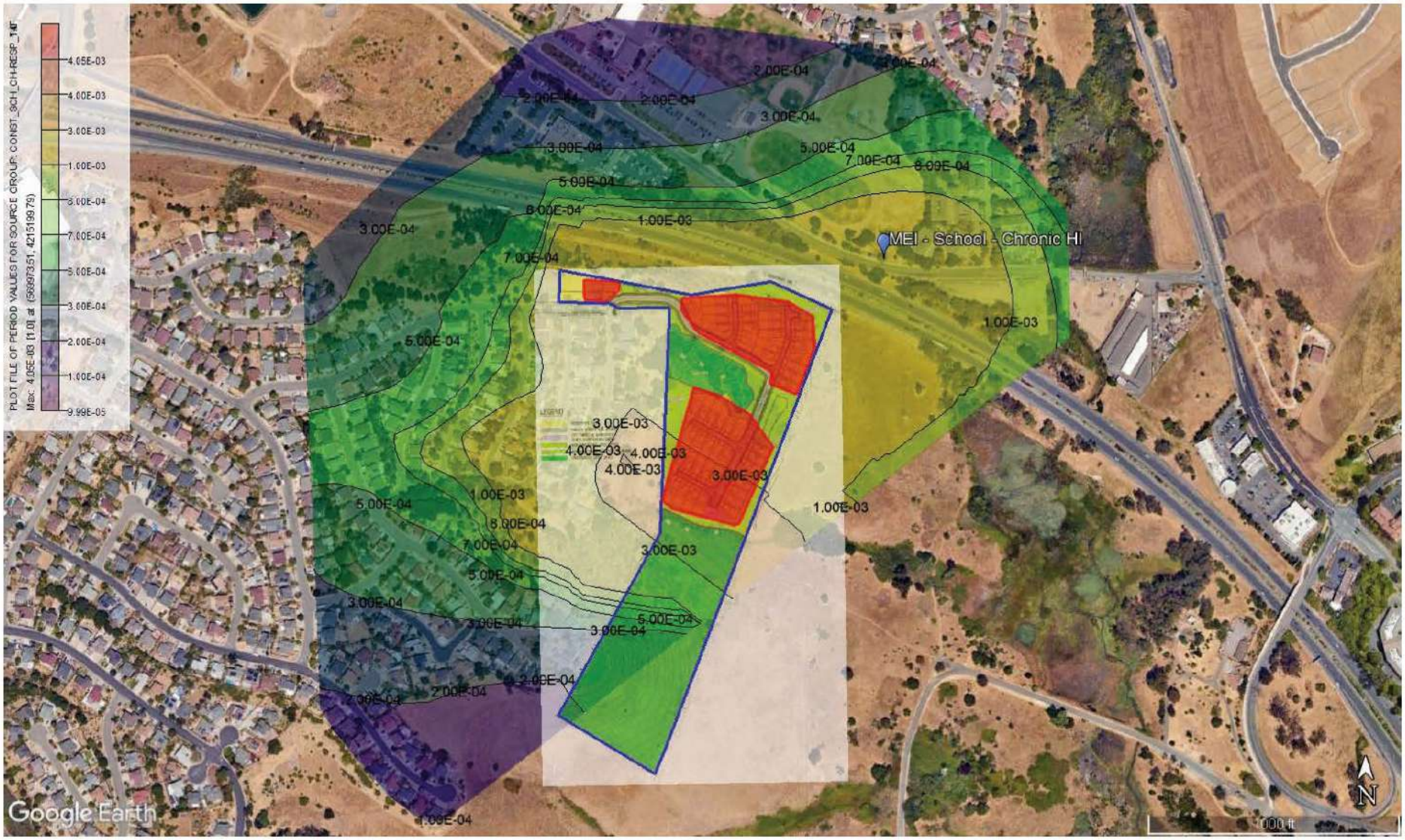

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_WRK_PM25_TIE-06
Max: 2.02E-02 [1E-06] at (569973.51, 4215196.79)
2.02E-02
2.00E-02
1.00E-02
9.00E-03
7.00E-03
5.00E-03
3.00E-03
1.00E-03
8.00E-04
6.00E-04
5.00E-04
MEI - Worker - PM 2.5
Google Earth
N

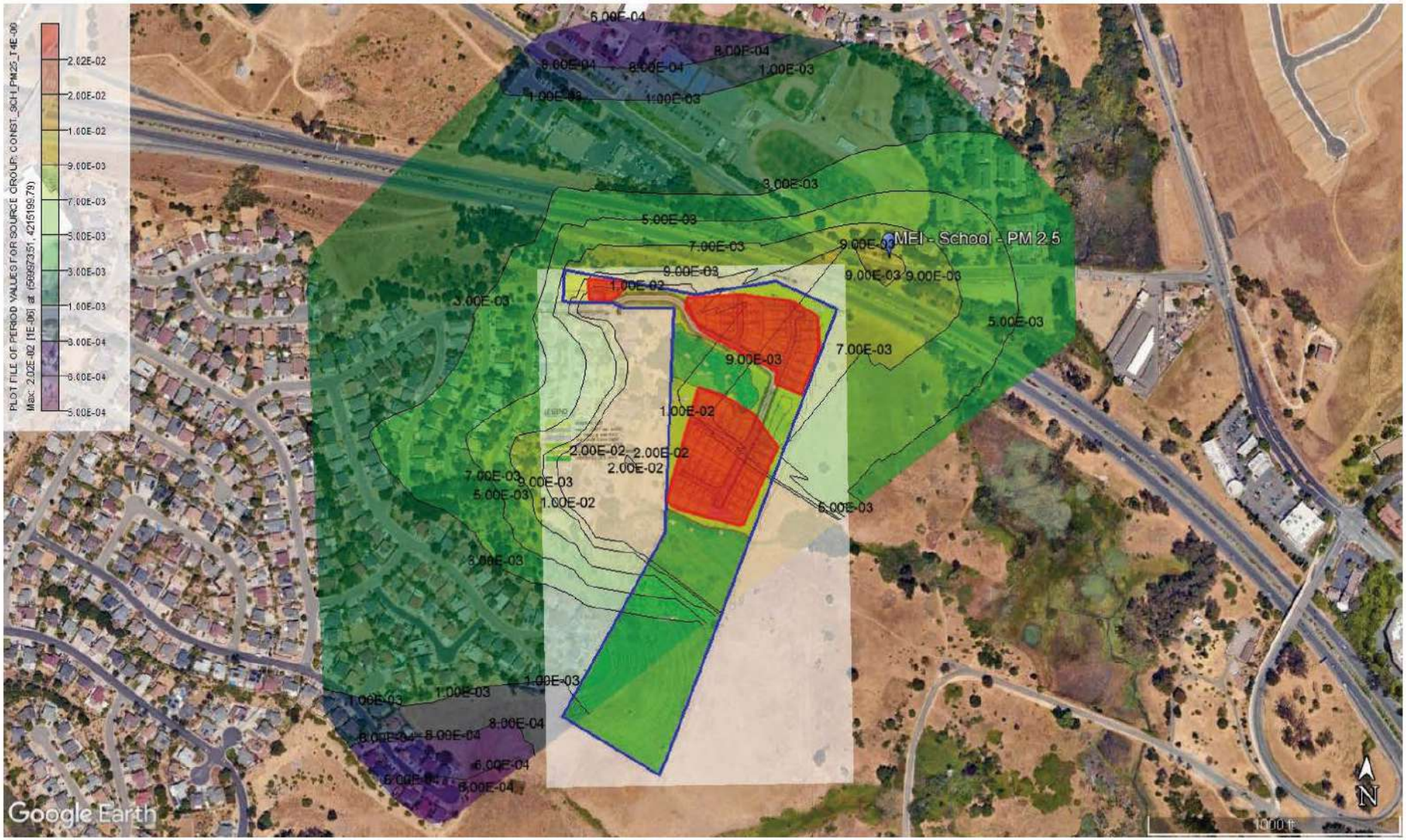

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCER_RISK_T
Max: 1.2E-05 [1E-06] at (599973.51, 4215159.79)
1.2E-05
1.0E-05
8.0E-06
6.0E-06
5.0E-06
1.0E-06
8.0E-07
6.0E-07
2.9E-07
5.0E-06 MEI - School - Cancer Risk
Google Earth
N
000 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_TD
Max: 5.9E-02 (1.0) at (698973.51, 4215199.79)
5.9E-02
5.0E-02
4.0E-02
2.0E-02
1.0E-02
8.0E-03
6.0E-03
5.0E-03
4.0E-03
1.4E-03
MEI - School - Chronic HI
Google Earth
N
000 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_PM25_T3E-06
Max: 0.294 (1E-06) at (569973.51, 4215199.79)
0.294
0.200
0.100
0.080
0.060
0.050
0.030
0.010
0.009
0.007
MEI - School - PM 2.5
Google Earth
N


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CANCER
Max: 7.9E-07 [1E-06] at (599973.51, 4215199.79)
7.9E-07
7.0E-07
5.0E-07
3.0E-07
1.0E-07
9.0E-08
7.0E-08
5.0E-08
3.0E-08
2.0E-08
MEI - School - Cancer Risk
Google Earth
N
000 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_CH-RESP_1HF
Max: 4.05E-03 [1.0] at (566973.51, 4215199.79)
4.05E-03
4.00E-03
3.00E-03
1.00E-03
9.00E-04
8.00E-04
7.00E-04
6.00E-04
5.00E-04
4.00E-04
3.00E-04
2.00E-04
1.00E-04
9.99E-05
MEI - School - Chronic HI
Google Earth
N
1000 ft


PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: CONST_SCH_PM25_T4E-06
Max: 2.02E-02 [1E-06] at (569973151, 4215198.79)
2.02E-02
2.00E-02
1.00E-02
9.00E-03
7.00E-03
5.00E-03
3.00E-03
1.00E-03
8.00E-04
6.00E-04
MEI - School - PM 2.5
Google Earth
N

PM 10				
Tons/Yr	T2	T2L3	T4f	
Year 1	0.05465	0.008345	0.003766	0
Year 2	0.03096	0.004709	0.001939	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T4f	0
Year 1	109.3	16.69	7.532	0
Year 2	61.92	9.418	3.877	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T4f	0
Year 1	100%	15%	7%	0%
Year 2	100%	15%	6%	0%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.73
9		5		52		

PM 2.5				
Tons/Yr	T4			
Year 1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Year 4	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PM 2.5				
Lbs /Yr	T4	0	0	0
Year 1	0	0	0	0
Year 2	0	0	0	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 2.5				
g/sec	T4	0	0	0
Year 1	0	0	0	0
Year 2	0	0	0	0
Year 3	0	0	0	0
Year 4	0	0	0	0

		Fraction of emissios
Area 1	942.4	0.035513
Area 2	11299.7	0.425819
Area 3	14294.3	0.538668
	26536.4	1

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 3/29/2025
** File: D:\LSA\2025\20241845 - Vista Cove\Construction\Construction.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\20241845 - Vista Cove\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 120749 Vallejo,_CA
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PARCEL_1     AREAPOLY   569926.627  4215389.789       54.940
   LOCATION PARCEL_2     AREAPOLY   570183.728  4215278.758       30.420
   LOCATION PARCEL_3     AREAPOLY   570059.317  4215286.311       42.860
** Source Parameters **
   SRCPARAM PARCEL_1     0.0000376856     3.048         5
   AREAVERT PARCEL_1     569926.627 4215389.789 569953.019 4215388.879
   AREAVERT PARCEL_1     569969.401 4215402.075 569968.036 4215412.541
   AREAVERT PARCEL_1     569925.716 4215414.817
   SRCPARAM PARCEL_2     0.0000376842     3.048        10
   AREAVERT PARCEL_2     570183.728 4215278.758 570205.570 4215336.549
   AREAVERT PARCEL_2     570202.840 4215372.952 570173.262 4215390.244
   AREAVERT PARCEL_2     570110.010 4215398.435 570044.029 4215393.884
   AREAVERT PARCEL_2     570044.029 4215378.413 570063.140 4215352.475
   AREAVERT PARCEL_2     570153.240 4215306.061 570152.330 4215290.589
   SRCPARAM PARCEL_3     0.0000376841     3.048         8
   AREAVERT PARCEL_3     570059.317 4215286.311 570022.156 4215150.265
   AREAVERT PARCEL_3     570034.123 4215140.187 570109.074 4215121.292
   AREAVERT PARCEL_3     570115.373 4215121.922 570156.313 4215215.769
   AREAVERT PARCEL_3     570127.340 4215254.819 570089.549 4215277.493
```

```
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\VALLEJO_2013-2017.SFC
   PROFFILE ..\VALLEJO_2013-2017.PFL
   SURFDATA 93227 2013
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   SITEDATA 8903 2013
   PROFBASE 6.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST Construction.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL Construction.AD\PE00GALL.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
```

```
   ********   WARNING MESSAGES   ********
MX W403      80       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

**********************************
*** SETUP Finishes Successfully ***
**********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 3 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 120749.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 3 Source(s); 1 Source Group(s); and 2766 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 3 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours

m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 6.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**Detailed Error/Message File: Construction.err
**File for Summary of Results: Construction.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
PARCEL_1	0	0.37686E-04	569926.6	4215389.8	54.9	3.05	5	0.00	YES		NO
PARCEL_2	0	0.37684E-04	570183.7	4215278.8	30.4	3.05	10	0.00	YES		NO
PARCEL_3	0	0.37684E-04	570059.3	4215286.3	42.9	3.05	8	0.00	YES		NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	PARCEL_1 , PARCEL_2 , PARCEL_3 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	120749.	PARCEL_1 , PARCEL_2 , PARCEL_3 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1			

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\VALLEJO_2013-2017.SFC Met Version: 18081
Profile file: ..\VALLEJO_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93227 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-4.9	0.086	-9.000	-9.000	-999.	61.	11.9	0.31	1.10	1.00	1.50	355.	10.0	277.1	8.1
13	01	01	1	02	-4.5	0.084	-9.000	-9.000	-999.	58.	11.7	0.35	1.10	1.00	1.40	103.	10.0	276.6	8.1
13	01	01	1	03	-0.7	0.035	-9.000	-9.000	-999.	16.	5.2	0.31	1.10	1.00	0.60	5.	10.0	276.4	8.1
13	01	01	1	04	-4.2	0.084	-9.000	-9.000	-999.	58.	12.8	0.35	1.10	1.00	1.40	85.	10.0	277.2	8.1
13	01	01	1	05	-13.6	0.237	-9.000	-9.000	-999.	276.	88.4	0.30	1.10	1.00	2.40	113.	10.0	278.9	8.1
13	01	01	1	06	-15.6	0.227	-9.000	-9.000	-999.	260.	68.6	0.30	1.10	1.00	2.40	117.	10.0	278.6	8.1
13	01	01	1	07	-11.3	0.115	-9.000	-9.000	-999.	100.	12.1	0.30	1.10	1.00	2.00	128.	10.0	277.5	8.1
13	01	01	1	08	-2.8	0.057	-9.000	-9.000	-999.	34.	6.1	0.30	1.10	1.00	1.00	147.	10.0	276.4	8.1
13	01	01	1	09	-0.2	0.024	-9.000	-9.000	-999.	9.	5.9	0.35	1.10	0.40	0.40	63.	10.0	276.9	8.1
13	01	01	1	10	44.0	0.247	0.519	0.005	116.	295.	-31.3	0.30	1.10	0.27	1.80	128.	10.0	278.9	8.1
13	01	01	1	11	82.6	0.227	0.846	0.005	268.	261.	-13.0	0.35	1.10	0.22	1.40	99.	10.0	280.4	8.1
13	01	01	1	12	104.8	0.406	1.278	0.008	727.	620.	-58.1	0.35	1.10	0.21	3.00	83.	10.0	282.4	8.1
13	01	01	1	13	108.8	0.472	1.388	0.008	897.	777.	-87.8	0.35	1.10	0.20	3.60	70.	10.0	283.5	8.1
13	01	01	1	14	94.8	0.490	1.341	0.007	926.	823.	-113.0	0.35	1.10	0.21	3.80	69.	10.0	284.9	8.1
13	01	01	1	15	63.2	0.627	1.179	0.005	946.	1190.	-354.9	0.35	1.10	0.25	5.10	63.	10.0	285.4	8.1
13	01	01	1	16	17.0	0.533	0.762	0.006	950.	943.	-810.4	0.35	1.10	0.33	4.40	69.	10.0	285.2	8.1
13	01	01	1	17	-38.8	0.403	-9.000	-9.000	-999.	628.	152.8	0.35	1.10	0.57	3.70	90.	10.0	284.2	8.1
13	01	01	1	18	-35.3	0.310	-9.000	-9.000	-999.	420.	76.9	0.35	1.10	1.00	3.10	87.	10.0	282.5	8.1
13	01	01	1	19	-7.2	0.092	-9.000	-9.000	-999.	140.	9.8	0.30	1.10	1.00	1.60	126.	10.0	280.9	8.1
13	01	01	1	20	-7.6	0.096	-9.000	-9.000	-999.	71.	10.4	0.35	1.10	1.00	1.60	106.	10.0	280.4	8.1
13	01	01	1	21	-5.9	0.084	-9.000	-9.000	-999.	58.	9.1	0.35	1.10	1.00	1.40	81.	10.0	279.8	8.1
13	01	01	1	22	-5.9	0.084	-9.000	-9.000	-999.	58.	9.1	0.35	1.10	1.00	1.40	70.	10.0	278.2	8.1
13	01	01	1	23	-2.8	0.058	-9.000	-9.000	-999.	33.	6.1	0.31	1.10	1.00	1.00	1.	10.0	277.5	8.1
13	01	01	1	24	-0.5	0.023	-9.000	-9.000	-999.	9.	2.4	0.31	1.10	1.00	0.40	353.	10.0	276.4	8.1

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	8.1	0	-999.	-99.00	277.2	999.0	-99.00	-99.00
13	01	01	01	10.0	1	355.	1.50	-999.0	25.7	-99.00	0.61

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	50.11042 AT (569973.51, 4215199.79, 47.09, 107.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	48.30956 AT (569973.83, 4215209.46, 48.12, 107.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	46.17934 AT (569984.77, 4215238.15, 48.74, 107.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	46.17869 AT (569962.89, 4215180.77, 44.43, 107.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	45.69766 AT (569962.57, 4215171.10, 42.16, 107.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	45.57657 AT (569974.14, 4215219.13, 49.13, 107.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	45.51039 AT (569963.20, 4215190.44, 46.69, 107.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	44.32493 AT (569963.52, 4215200.12, 48.54, 107.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	42.58095 AT (569974.46, 4215228.80, 49.99, 107.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	42.46814 AT (569985.08, 4215247.82, 49.47, 107.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 623.85095	ON 16111302:	AT (570225.19, 4215469.68, 18.17, 107.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1007 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   85 Calm Hours Identified

A Total of   922 Missing Hours Identified (2.10 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   80   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 3/29/2025 6:08:40 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year1NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/29/2025 6:15:15 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/30/2025 9:17:59 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/30/2025 8:41:06 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/30/2025 9:40:57 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 14
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 1
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 3/30/2025 9:46:32 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 15
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 1
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241845 - Vista Cove\HARP_CONST\hra\Const_School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

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