
APPENDIX C

CONSTRUCTION HRA OUTPUTS

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Construction
MEI (Sensitive) - Cancer Risk (in a Million)

HARP Rec #: 24

X: 609534.14 Y: 4170737.54

T2	T2L3	T4f	0
42.61	7.18	4.94	0.00

MEI (Sensitive) - Chronic Hazard Index

HARP Rec #: 24

X: 609534.14 Y: 4170737.54

T2	T2L3	T4f	0
4.00E-02	6.64E-03	4.90E-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 #: 24

X: 609534.14 Y: 4170737.54

T2	T2L3	T4f	0
0.200	0.033	0.024	0.000

Construction
MEI (Worker) - Cancer Risk (in a Million)

HARP Rec #: 2820

X: 609500.26 Y: 4170595.92

T2	T2L3	T4f	0
0.48	0.08	0.06	0.00

MEI (Worker) - Chronic Hazard Index

HARP Rec #: 2820

X: 609500.26 Y: 4170595.92

T2	T2L3	T4f	0
2.59E-02	4.31E-03	3.18E-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 #: 2820

X: 609500.26 Y: 4170595.92

T2	T2L3	T4f	0
0.130	0.022	0.016	0.000

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	609534.14	4170737.54	37.67730006	-121.7578688
Construction	Sensitive	Chronic HI	609534.14	4170737.54	37.67730006	-121.7578688
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	609534.14	4170737.54	37.67730006	-121.7578688
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	609500.26	4170595.92	37.67602793	-121.7582742
Construction	Worker	Chronic HI	609500.26	4170595.92	37.67602793	-121.7582742
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	609500.26	4170595.92	37.67602793	-121.7582742

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 parking lot areas have been removed.

Meteorological Dataset

Location	Livermore Rincon
Provided By	Bay Area AQMD
Years	2013 - 2017
Elevation (m)	137.2
Link	

Construction Modeling Specific Inputs

AERMOD Input Options

Regulatory Options	Default	
Pollutant Type	Other	
Averaging Period	Period & Hourly	
Dispersion Coefficient	Urban	
County	San Bernardino	
Urban Grouping / Pop	Y	82,908
# of Worker Receptors	4,079	
# of Sensitive Receptors		
# of School Receptors		

Construction Area Parameters

Source Type	Polygon Area
Project Area (m ²)	22,997.70
Ht. of Source (m)	3.048

General HARP Input Parameters

Construction

Sensitive Receptors

Sensitive Scenario Parameters

Starting Age	3 rd Trimester
Age Range	3 rd 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	BAAQMD Mandatory 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			28			T2L3			T4f		
			4.26E-05			7.18E-06			4.94E-06		
			4170737.54								
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	609307.74	4170736.51	3.96E-06	1.63E-06	5.58E-06	6.57E-07	2.84E-07	9.41E-07	4.85E-07	1.62E-07	6.47E-07
2	609317.59	4170736.55	4.85E-06	1.99E-06	6.84E-06	8.05E-07	3.48E-07	1.15E-06	5.94E-07	1.99E-07	7.93E-07
3	609327.43	4170736.6	6.25E-06	2.57E-06	8.82E-06	1.04E-06	4.49E-07	1.49E-06	7.66E-07	2.56E-07	1.02E-06
4	609337.27	4170736.64	8.43E-06	3.47E-06	1.19E-05	1.40E-06	6.05E-07	2.01E-06	1.03E-06	3.46E-07	1.38E-06
5	609347.12	4170736.69	1.13E-05	4.66E-06	1.60E-05	1.88E-06	8.14E-07	2.70E-06	1.39E-06	4.65E-07	1.86E-06
6	609356.96	4170736.73	1.43E-05	5.87E-06	2.01E-05	2.37E-06	1.02E-06	3.40E-06	1.75E-06	5.85E-07	2.34E-06
7	609366.8	4170736.78	1.67E-05	6.87E-06	2.36E-05	2.78E-06	1.20E-06	3.98E-06	2.05E-06	6.85E-07	2.73E-06
8	609376.65	4170736.82	1.87E-05	7.69E-06	2.64E-05	3.11E-06	1.34E-06	4.45E-06	2.29E-06	7.67E-07	3.06E-06
9	609386.49	4170736.87	2.04E-05	8.38E-06	2.88E-05	3.39E-06	1.46E-06	4.85E-06	2.50E-06	8.36E-07	3.34E-06
10	609396.33	4170736.91	2.20E-05	9.04E-06	3.10E-05	3.65E-06	1.58E-06	5.23E-06	2.70E-06	9.02E-07	3.60E-06
11	609406.18	4170736.96	2.34E-05	9.61E-06	3.30E-05	3.89E-06	1.68E-06	5.56E-06	2.87E-06	9.59E-07	3.83E-06
12	609416.02	4170737	2.46E-05	1.01E-05	3.47E-05	4.08E-06	1.76E-06	5.85E-06	3.01E-06	1.01E-06	4.02E-06
13	609425.86	4170737.05	2.55E-05	1.05E-05	3.60E-05	4.23E-06	1.83E-06	6.06E-06	3.12E-06	1.04E-06	4.17E-06
14	609435.71	4170737.09	2.63E-05	1.08E-05	3.71E-05	4.37E-06	1.89E-06	6.25E-06	3.22E-06	1.08E-06	4.30E-06
15	609445.55	4170737.14	2.70E-05	1.11E-05	3.80E-05	4.48E-06	1.93E-06	6.41E-06	3.31E-06	1.11E-06	4.41E-06
16	609455.39	4170737.18	2.76E-05	1.13E-05	3.89E-05	4.58E-06	1.98E-06	6.56E-06	3.38E-06	1.13E-06	4.51E-06
17	609465.24	4170737.22	2.81E-05	1.15E-05	3.96E-05	4.66E-06	2.01E-06	6.68E-06	3.44E-06	1.15E-06	4.59E-06
18	609475.08	4170737.27	2.85E-05	1.17E-05	4.02E-05	4.74E-06	2.05E-06	6.78E-06	3.50E-06	1.17E-06	4.66E-06
19	609484.92	4170737.31	2.89E-05	1.19E-05	4.07E-05	4.80E-06	2.07E-06	6.87E-06	3.54E-06	1.18E-06	4.72E-06
20	609494.77	4170737.36	2.92E-05	1.20E-05	4.11E-05	4.84E-06	2.09E-06	6.93E-06	3.57E-06	1.19E-06	4.77E-06
21	609504.61	4170737.4	2.94E-05	1.21E-05	4.15E-05	4.88E-06	2.11E-06	6.99E-06	3.60E-06	1.21E-06	4.81E-06
22	609514.45	4170737.45	2.98E-05	1.22E-05	4.20E-05	4.94E-06	2.14E-06	7.08E-06	3.65E-06	1.22E-06	4.87E-06
23	609524.3	4170737.49	3.00E-05	1.23E-05	4.24E-05	4.99E-06	2.16E-06	7.15E-06	3.68E-06	1.23E-06	4.91E-06
24	609534.14	4170737.54	3.02E-05	1.24E-05	4.26E-05	5.02E-06	2.17E-06	7.18E-06	3.70E-06	1.24E-06	4.94E-06
25	609543.98	4170737.58	3.01E-05	1.24E-05	4.25E-05	5.00E-06	2.16E-06	7.16E-06	3.69E-06	1.23E-06	4.93E-06
26	609553.83	4170737.63	2.99E-05	1.23E-05	4.22E-05	4.97E-06	2.15E-06	7.11E-06	3.67E-06	1.23E-06	4.89E-06
27	609563.67	4170737.67	2.96E-05	1.22E-05	4.17E-05	4.91E-06	2.12E-06	7.04E-06	3.63E-06	1.21E-06	4.84E-06
28	609573.51	4170737.72	2.91E-05	1.19E-05	4.10E-05	4.83E-06	2.09E-06	6.91E-06	3.56E-06	1.19E-06	4.75E-06
29	609583.36	4170737.76	2.83E-05	1.16E-05	3.99E-05	4.70E-06	2.03E-06	6.73E-06	3.47E-06	1.16E-06	4.63E-06
30	609593.2	4170737.81	2.70E-05	1.11E-05	3.82E-05	4.49E-06	1.94E-06	6.43E-06	3.32E-06	1.11E-06	4.42E-06
31	609300.6	4170743.5	3.16E-06	1.30E-06	4.46E-06	5.25E-07	2.27E-07	7.53E-07	3.88E-07	1.30E-07	5.18E-07
32	609290.64	4170733.33	3.10E-06	1.27E-06	4.37E-06	5.15E-07	2.22E-07	7.37E-07	3.80E-07	1.27E-07	5.07E-07
33	609317.54	4170746.55	4.00E-06	1.65E-06	5.65E-06	6.65E-07	2.87E-07	9.52E-07	4.91E-07	1.64E-07	6.55E-07
34	609327.39	4170746.6	4.90E-06	2.01E-06	6.91E-06	8.14E-07	3.52E-07	1.17E-06	6.01E-07	2.01E-07	8.02E-07
35	609337.23	4170746.64	6.16E-06	2.53E-06	8.70E-06	1.02E-06	4.42E-07	1.47E-06	7.56E-07	2.53E-07	1.01E-06
36	609347.07	4170746.69	7.78E-06	3.20E-06	1.10E-05	1.29E-06	5.58E-07	1.85E-06	9.54E-07	3.19E-07	1.27E-06
37	609356.92	4170746.73	9.53E-06	3.92E-06	1.34E-05	1.58E-06	6.84E-07	2.27E-06	1.17E-06	3.90E-07	1.56E-06
38	609366.76	4170746.78	1.12E-05	4.59E-06	1.58E-05	1.86E-06	8.02E-07	2.66E-06	1.37E-06	4.58E-07	1.83E-06
39	609376.6	4170746.82	1.27E-05	5.20E-06	1.78E-05	2.10E-06	9.08E-07	3.01E-06	1.55E-06	5.19E-07	2.07E-06
40	609386.45	4170746.87	1.40E-05	5.74E-06	1.97E-05	2.32E-06	1.00E-06	3.32E-06	1.71E-06	5.72E-07	2.28E-06
41	609396.29	4170746.91	1.52E-05	6.24E-06	2.14E-05	2.52E-06	1.09E-06	3.61E-06	1.86E-06	6.22E-07	2.48E-06
42	609406.13	4170746.96	1.62E-05	6.68E-06	2.29E-05	2.70E-06	1.17E-06	3.86E-06	1.99E-06	6.66E-07	2.66E-06
43	609415.98	4170747	1.72E-05	7.07E-06	2.43E-05	2.86E-06	1.23E-06	4.09E-06	2.11E-06	7.05E-07	2.81E-06
44	609425.82	4170747.05	1.80E-05	7.40E-06	2.54E-05	2.99E-06	1.29E-06	4.28E-06	2.21E-06	7.38E-07	2.95E-06
45	609435.66	4170747.09	1.87E-05	7.70E-06	2.64E-05	3.11E-06	1.34E-06	4.45E-06	2.30E-06	7.68E-07	3.06E-06
46	609445.51	4170747.14	1.94E-05	7.96E-06	2.73E-05	3.22E-06	1.39E-06	4.61E-06	2.37E-06	7.94E-07	3.17E-06
47	609455.35	4170747.18	1.99E-05	8.18E-06	2.81E-05	3.31E-06	1.43E-06	4.73E-06	2.44E-06	8.16E-07	3.26E-06
48	609465.19	4170747.22	2.04E-05	8.37E-06	2.87E-05	3.38E-06	1.46E-06	4.85E-06	2.50E-06	8.35E-07	3.33E-06
49	609475.04	4170747.27	2.08E-05	8.54E-06	2.93E-05	3.45E-06	1.49E-06	4.94E-06	2.55E-06	8.52E-07	3.40E-06
50	609484.88	4170747.31	2.11E-05	8.69E-06	2.98E-05	3.51E-06	1.52E-06	5.03E-06	2.59E-06	8.67E-07	3.46E-06
51	609494.72	4170747.36	2.14E-05	8.81E-06	3.02E-05	3.56E-06	1.54E-06	5.10E-06	2.63E-06	8.78E-07	3.51E-06
52	609504.57	4170747.4	2.17E-05	8.90E-06	3.06E-05	3.60E-06	1.55E-06	5.15E-06	2.66E-06	8.88E-07	3.54E-06
53	609514.41	4170747.45	2.19E-05	9.00E-06	3.09E-05	3.64E-06	1.57E-06	5.21E-06	2.68E-06	8.97E-07	3.58E-06
54	609524.25	4170747.49	2.21E-05	9.07E-06	3.11E-05	3.66E-06	1.58E-06	5.25E-06	2.70E-06	9.04E-07	3.61E-06
55	609534.1	4170747.54	2.21E-05	9.10E-06	3.12E-05	3.68E-06	1.59E-06	5.27E-06	2.72E-06	9.08E-07	3.62E-06
56	609543.94	4170747.58	2.21E-05	9.10E-06	3.12E-05	3.68E-06	1.59E-06	5.27E-06	2.72E-06	9.08E-07	3.62E-06
57	609553.78	4170747.63	2.21E-05	9.07E-06	3.11E-05	3.66E-06	1.58E-06	5.25E-06	2.71E-06	9.04E-07	3.61E-06
58	609563.63	4170747.67	2.19E-05	9.00E-06	3.09E-05	3.64E-06	1.57E-06	5.21E-06	2.68E-06	8.97E-07	3.58E-06
59	609573.47	4170747.72	2.16E-05	8.86E-06	3.04E-05	3.58E-06	1.55E-06	5.13E-06	2.64E-06	8.84E-07	3.53E-06

60	609583.31	4170747.76	2.11E-05	8.66E-06	2.97E-05	3.50E-06	1.51E-06	5.01E-06	2.58E-06	8.64E-07	3.45E-06
61	609593.16	4170747.81	2.03E-05	8.34E-06	2.86E-05	3.37E-06	1.46E-06	4.82E-06	2.49E-06	8.31E-07	3.32E-06
62	609300.55	4170753.5	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.61E-07	3.40E-07	1.14E-07	4.54E-07
63	609283.5	4170740.32	2.58E-06	1.06E-06	3.64E-06	4.29E-07	1.85E-07	6.14E-07	3.17E-07	1.06E-07	4.23E-07
64	609317.5	4170756.55	3.39E-06	1.39E-06	4.79E-06	5.63E-07	2.43E-07	8.07E-07	4.16E-07	1.39E-07	5.55E-07
65	609327.34	4170756.6	4.01E-06	1.65E-06	5.65E-06	6.65E-07	2.87E-07	9.53E-07	4.91E-07	1.64E-07	6.55E-07
66	609356.87	4170756.73	6.93E-06	2.85E-06	9.78E-06	1.15E-06	4.98E-07	1.65E-06	8.50E-07	2.84E-07	1.13E-06
67	609366.71	4170756.78	8.06E-06	3.31E-06	1.14E-05	1.34E-06	5.78E-07	1.92E-06	9.88E-07	3.30E-07	1.32E-06
68	609376.56	4170756.82	9.14E-06	3.76E-06	1.29E-05	1.52E-06	6.56E-07	2.17E-06	1.12E-06	3.75E-07	1.49E-06
69	609386.4	4170756.87	1.01E-05	4.16E-06	1.43E-05	1.68E-06	7.27E-07	2.41E-06	1.24E-06	4.15E-07	1.66E-06
70	609396.24	4170756.91	1.11E-05	4.54E-06	1.56E-05	1.84E-06	7.93E-07	2.63E-06	1.35E-06	4.53E-07	1.81E-06
71	609406.09	4170756.96	1.19E-05	4.88E-06	1.68E-05	1.97E-06	8.53E-07	2.83E-06	1.46E-06	4.87E-07	1.94E-06
72	609415.93	4170757	1.26E-05	5.20E-06	1.78E-05	2.10E-06	9.07E-07	3.01E-06	1.55E-06	5.18E-07	2.07E-06
73	609425.77	4170757.05	1.33E-05	5.49E-06	1.88E-05	2.22E-06	9.58E-07	3.18E-06	1.64E-06	5.47E-07	2.18E-06
74	609435.62	4170757.09	1.40E-05	5.75E-06	1.97E-05	2.32E-06	1.00E-06	3.33E-06	1.71E-06	5.73E-07	2.29E-06
75	609445.46	4170757.14	1.45E-05	5.98E-06	2.05E-05	2.42E-06	1.04E-06	3.46E-06	1.78E-06	5.96E-07	2.38E-06
76	609455.3	4170757.18	1.50E-05	6.18E-06	2.12E-05	2.50E-06	1.08E-06	3.57E-06	1.84E-06	6.16E-07	2.46E-06
77	609465.15	4170757.22	1.54E-05	6.35E-06	2.18E-05	2.57E-06	1.11E-06	3.67E-06	1.89E-06	6.33E-07	2.53E-06
78	609474.99	4170757.27	1.58E-05	6.50E-06	2.23E-05	2.63E-06	1.14E-06	3.76E-06	1.94E-06	6.48E-07	2.59E-06
79	609484.83	4170757.31	1.61E-05	6.63E-06	2.28E-05	2.68E-06	1.16E-06	3.84E-06	1.98E-06	6.62E-07	2.64E-06
80	609494.68	4170757.36	1.64E-05	6.74E-06	2.31E-05	2.73E-06	1.18E-06	3.90E-06	2.01E-06	6.73E-07	2.68E-06
81	609504.52	4170757.4	1.66E-05	6.84E-06	2.35E-05	2.76E-06	1.19E-06	3.96E-06	2.04E-06	6.82E-07	2.72E-06
82	609514.36	4170757.45	1.68E-05	6.91E-06	2.37E-05	2.79E-06	1.21E-06	4.00E-06	2.06E-06	6.89E-07	2.75E-06
83	609524.21	4170757.49	1.70E-05	6.97E-06	2.39E-05	2.82E-06	1.22E-06	4.03E-06	2.08E-06	6.95E-07	2.77E-06
84	609534.05	4170757.54	1.70E-05	7.00E-06	2.40E-05	2.83E-06	1.22E-06	4.05E-06	2.09E-06	6.98E-07	2.79E-06
85	609543.89	4170757.58	1.71E-05	7.02E-06	2.41E-05	2.84E-06	1.23E-06	4.06E-06	2.09E-06	7.00E-07	2.80E-06
86	609553.74	4170757.63	1.71E-05	7.01E-06	2.41E-05	2.83E-06	1.22E-06	4.06E-06	2.09E-06	6.99E-07	2.79E-06
87	609563.58	4170757.67	1.70E-05	6.98E-06	2.39E-05	2.82E-06	1.22E-06	4.04E-06	2.08E-06	6.96E-07	2.78E-06
88	609573.42	4170757.72	1.68E-05	6.89E-06	2.37E-05	2.78E-06	1.20E-06	3.99E-06	2.06E-06	6.87E-07	2.74E-06
89	609583.27	4170757.76	1.64E-05	6.76E-06	2.32E-05	2.73E-06	1.18E-06	3.91E-06	2.02E-06	6.74E-07	2.69E-06
90	609593.11	4170757.81	1.59E-05	6.55E-06	2.25E-05	2.65E-06	1.14E-06	3.79E-06	1.95E-06	6.53E-07	2.61E-06
91	609300.51	4170763.5	2.46E-06	1.01E-06	3.48E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
92	609286.3	4170757.49	2.24E-06	9.22E-07	3.17E-06	3.73E-07	1.61E-07	5.34E-07	2.75E-07	9.20E-08	3.67E-07
93	609276.35	4170747.32	2.21E-06	9.09E-07	3.12E-06	3.67E-07	1.59E-07	5.26E-07	2.71E-07	9.06E-08	3.62E-07
94	609317.45	4170766.55	2.93E-06	1.20E-06	4.13E-06	4.87E-07	2.10E-07	6.97E-07	3.59E-07	1.20E-07	4.79E-07
95	609327.3	4170766.6	3.37E-06	1.39E-06	4.76E-06	5.60E-07	2.42E-07	8.02E-07	4.13E-07	1.38E-07	5.52E-07
96	609298.69	4170772.75	2.18E-06	8.98E-07	3.08E-06	3.63E-07	1.57E-07	5.20E-07	2.68E-07	8.95E-08	3.57E-07
97	609289.81	4170768.99	2.08E-06	8.54E-07	2.93E-06	3.45E-07	1.49E-07	4.94E-07	2.55E-07	8.51E-08	3.40E-07
98	609280.93	4170765.24	1.97E-06	8.11E-07	2.79E-06	3.28E-07	1.42E-07	4.70E-07	2.42E-07	8.09E-08	3.23E-07
99	609268.49	4170752.52	1.94E-06	7.98E-07	2.74E-06	3.23E-07	1.39E-07	4.62E-07	2.38E-07	7.96E-08	3.18E-07
100	609264.92	4170743.56	2.00E-06	8.24E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.21E-08	3.28E-07
101	609307.56	4170776.51	2.30E-06	9.45E-07	3.25E-06	3.82E-07	1.65E-07	5.47E-07	2.82E-07	9.43E-08	3.76E-07
102	609317.41	4170776.55	2.57E-06	1.06E-06	3.62E-06	4.26E-07	1.84E-07	6.11E-07	3.15E-07	1.05E-07	4.20E-07
103	609327.25	4170776.6	2.90E-06	1.19E-06	4.09E-06	4.81E-07	2.08E-07	6.89E-07	3.55E-07	1.19E-07	4.74E-07
104	609366.62	4170776.78	4.90E-06	2.01E-06	6.91E-06	8.14E-07	3.52E-07	1.17E-06	6.01E-07	2.01E-07	8.02E-07
105	609376.47	4170776.82	5.49E-06	2.26E-06	7.75E-06	9.12E-07	3.94E-07	1.31E-06	6.73E-07	2.25E-07	8.98E-07
106	609386.31	4170776.87	6.07E-06	2.50E-06	8.57E-06	1.01E-06	4.36E-07	1.44E-06	7.45E-07	2.49E-07	9.94E-07
107	609396.15	4170776.91	6.64E-06	2.73E-06	9.37E-06	1.10E-06	4.76E-07	1.58E-06	8.14E-07	2.72E-07	1.09E-06
108	609406	4170776.96	7.17E-06	2.95E-06	1.01E-05	1.19E-06	5.15E-07	1.71E-06	8.79E-07	2.94E-07	1.17E-06
109	609415.84	4170777	7.68E-06	3.16E-06	1.08E-05	1.28E-06	5.51E-07	1.83E-06	9.42E-07	3.15E-07	1.26E-06
110	609425.68	4170777.05	8.17E-06	3.36E-06	1.15E-05	1.36E-06	5.87E-07	1.94E-06	1.00E-06	3.35E-07	1.34E-06
111	609435.53	4170777.09	8.63E-06	3.55E-06	1.22E-05	1.43E-06	6.19E-07	2.05E-06	1.06E-06	3.54E-07	1.41E-06
112	609445.37	4170777.13	9.05E-06	3.72E-06	1.28E-05	1.50E-06	6.49E-07	2.15E-06	1.11E-06	3.71E-07	1.48E-06
113	609455.21	4170777.18	9.41E-06	3.87E-06	1.33E-05	1.56E-06	6.75E-07	2.24E-06	1.15E-06	3.86E-07	1.54E-06
114	609465.06	4170777.22	9.74E-06	4.00E-06	1.37E-05	1.62E-06	6.99E-07	2.32E-06	1.19E-06	3.99E-07	1.59E-06
115	609474.9	4170777.27	1.00E-05	4.12E-06	1.42E-05	1.67E-06	7.20E-07	2.39E-06	1.23E-06	4.11E-07	1.64E-06
116	609484.74	4170777.31	1.03E-05	4.23E-06	1.45E-05	1.71E-06	7.39E-07	2.45E-06	1.26E-06	4.22E-07	1.68E-06
117	609494.59	4170777.36	1.05E-05	4.32E-06	1.48E-05	1.75E-06	7.55E-07	2.50E-06	1.29E-06	4.31E-07	1.72E-06
118	609504.43	4170777.4	1.07E-05	4.41E-06	1.51E-05	1.78E-06	7.69E-07	2.55E-06	1.31E-06	4.39E-07	1.75E-06
119	609514.27	4170777.45	1.09E-05	4.47E-06	1.53E-05	1.81E-06	7.81E-07	2.59E-06	1.33E-06	4.46E-07	1.78E-06
120	609524.12	4170777.49	1.10E-05	4.52E-06	1.55E-05	1.83E-06	7.90E-07	2.62E-06	1.35E-06	4.51E-07	1.80E-06
121	609533.96	4170777.54	1.11E-05	4.56E-06	1.57E-05	1.84E-06	7.96E-07	2.64E-06	1.36E-06	4.55E-07	1.82E-06
122	609543.8	4170777.58	1.12E-05	4.59E-06	1.58E-05	1.85E-06	8.01E-07	2.66E-06	1.37E-06	4.58E-07	1.83E-06

123	609553.65	4170777.63	1.12E-05	4.60E-06	1.58E-05	1.86E-06	8.03E-07	2.66E-06	1.37E-06	4.59E-07	1.83E-06
124	609563.49	4170777.67	1.12E-05	4.59E-06	1.58E-05	1.86E-06	8.02E-07	2.66E-06	1.37E-06	4.58E-07	1.83E-06
125	609573.33	4170777.72	1.11E-05	4.56E-06	1.57E-05	1.84E-06	7.96E-07	2.64E-06	1.36E-06	4.55E-07	1.82E-06
126	609583.18	4170777.76	1.10E-05	4.50E-06	1.55E-05	1.82E-06	7.86E-07	2.61E-06	1.34E-06	4.49E-07	1.79E-06
127	609593.02	4170777.8	1.07E-05	4.41E-06	1.51E-05	1.78E-06	7.70E-07	2.55E-06	1.31E-06	4.40E-07	1.75E-06
128	609298.99	4170782.9	1.98E-06	8.13E-07	2.79E-06	3.28E-07	1.42E-07	4.70E-07	2.42E-07	8.10E-08	3.23E-07
129	609290.47	4170779.29	1.90E-06	7.79E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.32E-07	7.77E-08	3.10E-07
130	609281.95	4170775.69	1.82E-06	7.47E-07	2.57E-06	3.02E-07	1.30E-07	4.32E-07	2.23E-07	7.45E-08	2.97E-07
131	609273.43	4170772.08	1.74E-06	7.15E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.14E-08	2.85E-07
132	609261.48	4170759.87	1.72E-06	7.06E-07	2.42E-06	2.85E-07	1.23E-07	4.08E-07	2.11E-07	7.04E-08	2.81E-07
133	609258.06	4170751.27	1.77E-06	7.26E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.17E-07	7.24E-08	2.89E-07
134	609307.52	4170786.51	2.06E-06	8.48E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.46E-08	3.38E-07
135	609317.36	4170786.55	2.28E-06	9.35E-07	3.21E-06	3.78E-07	1.63E-07	5.41E-07	2.79E-07	9.33E-08	3.72E-07
136	609327.2	4170786.6	2.53E-06	1.04E-06	3.57E-06	4.20E-07	1.82E-07	6.02E-07	3.10E-07	1.04E-07	4.14E-07
137	609366.58	4170786.78	4.03E-06	1.66E-06	5.68E-06	6.69E-07	2.89E-07	9.58E-07	4.94E-07	1.65E-07	6.59E-07
138	609376.42	4170786.82	4.48E-06	1.84E-06	6.32E-06	7.44E-07	3.21E-07	1.07E-06	5.49E-07	1.84E-07	7.33E-07
139	609386.26	4170786.87	4.93E-06	2.03E-06	6.96E-06	8.19E-07	3.54E-07	1.17E-06	6.05E-07	2.02E-07	8.07E-07
140	609396.11	4170786.91	5.38E-06	2.21E-06	7.59E-06	8.94E-07	3.86E-07	1.28E-06	6.60E-07	2.21E-07	8.81E-07
141	609405.95	4170786.96	5.82E-06	2.39E-06	8.21E-06	9.66E-07	4.17E-07	1.38E-06	7.13E-07	2.38E-07	9.52E-07
142	609415.79	4170787	6.24E-06	2.56E-06	8.80E-06	1.04E-06	4.47E-07	1.48E-06	7.65E-07	2.56E-07	1.02E-06
143	609425.64	4170787.05	6.64E-06	2.73E-06	9.37E-06	1.10E-06	4.77E-07	1.58E-06	8.15E-07	2.72E-07	1.09E-06
144	609435.48	4170787.09	7.03E-06	2.89E-06	9.92E-06	1.17E-06	5.04E-07	1.67E-06	8.62E-07	2.88E-07	1.15E-06
145	609445.32	4170787.13	7.38E-06	3.03E-06	1.04E-05	1.23E-06	5.30E-07	1.76E-06	9.05E-07	3.03E-07	1.21E-06
146	609455.17	4170787.18	7.70E-06	3.16E-06	1.09E-05	1.28E-06	5.52E-07	1.83E-06	9.44E-07	3.15E-07	1.26E-06
147	609465.01	4170787.22	7.99E-06	3.28E-06	1.13E-05	1.33E-06	5.73E-07	1.90E-06	9.79E-07	3.27E-07	1.31E-06
148	609474.85	4170787.27	8.25E-06	3.39E-06	1.16E-05	1.37E-06	5.92E-07	1.96E-06	1.01E-06	3.38E-07	1.35E-06
149	609484.7	4170787.31	8.48E-06	3.49E-06	1.20E-05	1.41E-06	6.09E-07	2.02E-06	1.04E-06	3.48E-07	1.39E-06
150	609494.54	4170787.36	8.69E-06	3.57E-06	1.23E-05	1.44E-06	6.23E-07	2.07E-06	1.07E-06	3.56E-07	1.42E-06
151	609504.38	4170787.4	8.87E-06	3.65E-06	1.25E-05	1.47E-06	6.36E-07	2.11E-06	1.09E-06	3.64E-07	1.45E-06
152	609514.23	4170787.45	9.02E-06	3.71E-06	1.27E-05	1.50E-06	6.47E-07	2.15E-06	1.11E-06	3.70E-07	1.48E-06
153	609524.07	4170787.49	9.15E-06	3.76E-06	1.29E-05	1.52E-06	6.56E-07	2.18E-06	1.12E-06	3.75E-07	1.50E-06
154	609533.91	4170787.54	9.24E-06	3.80E-06	1.30E-05	1.54E-06	6.63E-07	2.20E-06	1.13E-06	3.79E-07	1.51E-06
155	609543.76	4170787.58	9.31E-06	3.83E-06	1.31E-05	1.55E-06	6.68E-07	2.21E-06	1.14E-06	3.82E-07	1.52E-06
156	609553.6	4170787.63	9.35E-06	3.84E-06	1.32E-05	1.55E-06	6.71E-07	2.22E-06	1.15E-06	3.83E-07	1.53E-06
157	609563.44	4170787.67	9.35E-06	3.84E-06	1.32E-05	1.55E-06	6.71E-07	2.22E-06	1.15E-06	3.83E-07	1.53E-06
158	609573.29	4170787.72	9.31E-06	3.83E-06	1.31E-05	1.55E-06	6.68E-07	2.21E-06	1.14E-06	3.82E-07	1.52E-06
159	609583.13	4170787.76	9.22E-06	3.79E-06	1.30E-05	1.53E-06	6.61E-07	2.19E-06	1.13E-06	3.78E-07	1.51E-06
160	609592.97	4170787.8	9.06E-06	3.72E-06	1.28E-05	1.51E-06	6.50E-07	2.16E-06	1.11E-06	3.71E-07	1.48E-06
161	609299.19	4170793	1.80E-06	7.39E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.20E-07	7.37E-08	2.94E-07
162	609290.9	4170789.49	1.74E-06	7.13E-07	2.45E-06	2.88E-07	1.25E-07	4.13E-07	2.13E-07	7.11E-08	2.84E-07
163	609274.33	4170782.48	1.61E-06	6.64E-07	2.28E-06	2.68E-07	1.16E-07	3.84E-07	1.98E-07	6.62E-08	2.64E-07
164	609254.43	4170767.1	1.54E-06	6.31E-07	2.17E-06	2.55E-07	1.10E-07	3.65E-07	1.88E-07	6.30E-08	2.51E-07
165	609307.47	4170796.51	1.86E-06	7.66E-07	2.63E-06	3.10E-07	1.34E-07	4.43E-07	2.29E-07	7.64E-08	3.05E-07
166	609317.32	4170796.55	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.34E-08	3.33E-07
167	609327.16	4170796.6	2.24E-06	9.19E-07	3.16E-06	3.71E-07	1.60E-07	5.32E-07	2.74E-07	9.17E-08	3.66E-07
168	609356.69	4170796.73	3.05E-06	1.26E-06	4.31E-06	5.07E-07	2.19E-07	7.26E-07	3.74E-07	1.25E-07	5.00E-07
169	609366.53	4170796.78	3.39E-06	1.39E-06	4.78E-06	5.63E-07	2.43E-07	8.06E-07	4.15E-07	1.39E-07	5.54E-07
170	609376.38	4170796.82	3.74E-06	1.54E-06	5.28E-06	6.21E-07	2.68E-07	8.90E-07	4.58E-07	1.53E-07	6.12E-07
171	609386.22	4170796.87	4.10E-06	1.68E-06	5.78E-06	6.81E-07	2.94E-07	9.75E-07	5.03E-07	1.68E-07	6.71E-07
172	609396.06	4170796.91	4.46E-06	1.83E-06	6.29E-06	7.41E-07	3.20E-07	1.06E-06	5.47E-07	1.83E-07	7.30E-07
173	609405.91	4170796.96	4.81E-06	1.98E-06	6.79E-06	8.00E-07	3.46E-07	1.15E-06	5.90E-07	1.97E-07	7.88E-07
174	609415.75	4170797	5.16E-06	2.12E-06	7.28E-06	8.57E-07	3.70E-07	1.23E-06	6.33E-07	2.12E-07	8.44E-07
175	609425.59	4170797.05	5.50E-06	2.26E-06	7.76E-06	9.14E-07	3.95E-07	1.31E-06	6.74E-07	2.25E-07	9.00E-07
176	609435.44	4170797.09	5.82E-06	2.39E-06	8.22E-06	9.67E-07	4.18E-07	1.39E-06	7.14E-07	2.39E-07	9.53E-07
177	609445.28	4170797.13	6.13E-06	2.52E-06	8.64E-06	1.02E-06	4.40E-07	1.46E-06	7.51E-07	2.51E-07	1.00E-06
178	609455.12	4170797.18	6.40E-06	2.63E-06	9.03E-06	1.06E-06	4.59E-07	1.52E-06	7.85E-07	2.62E-07	1.05E-06
179	609464.97	4170797.22	6.65E-06	2.73E-06	9.39E-06	1.11E-06	4.77E-07	1.58E-06	8.16E-07	2.73E-07	1.09E-06
180	609474.81	4170797.27	6.88E-06	2.83E-06	9.71E-06	1.14E-06	4.94E-07	1.64E-06	8.44E-07	2.82E-07	1.13E-06
181	609484.65	4170797.31	7.09E-06	2.92E-06	1.00E-05	1.18E-06	5.09E-07	1.69E-06	8.70E-07	2.91E-07	1.16E-06
182	609494.5	4170797.36	7.28E-06	2.99E-06	1.03E-05	1.21E-06	5.23E-07	1.73E-06	8.93E-07	2.99E-07	1.19E-06
183	609504.34	4170797.4	7.45E-06	3.06E-06	1.05E-05	1.24E-06	5.35E-07	1.77E-06	9.13E-07	3.05E-07	1.22E-06
184	609514.18	4170797.45	7.59E-06	3.12E-06	1.07E-05	1.26E-06	5.45E-07	1.81E-06	9.31E-07	3.11E-07	1.24E-06
185	609524.03	4170797.49	7.71E-06	3.17E-06	1.09E-05	1.28E-06	5.53E-07	1.83E-06	9.45E-07	3.16E-07	1.26E-06

186	609533.87	4170797.54	7.81E-06	3.21E-06	1.10E-05	1.30E-06	5.60E-07	1.86E-06	9.57E-07	3.20E-07	1.28E-06
187	609543.71	4170797.58	7.88E-06	3.24E-06	1.11E-05	1.31E-06	5.65E-07	1.87E-06	9.66E-07	3.23E-07	1.29E-06
188	609553.56	4170797.63	7.92E-06	3.26E-06	1.12E-05	1.32E-06	5.69E-07	1.88E-06	9.72E-07	3.25E-07	1.30E-06
189	609563.4	4170797.67	7.94E-06	3.26E-06	1.12E-05	1.32E-06	5.70E-07	1.89E-06	9.74E-07	3.26E-07	1.30E-06
190	609573.24	4170797.72	7.93E-06	3.26E-06	1.12E-05	1.32E-06	5.69E-07	1.89E-06	9.72E-07	3.25E-07	1.30E-06
191	609583.09	4170797.76	7.87E-06	3.23E-06	1.11E-05	1.31E-06	5.65E-07	1.87E-06	9.65E-07	3.23E-07	1.29E-06
192	609592.93	4170797.8	7.76E-06	3.19E-06	1.10E-05	1.29E-06	5.57E-07	1.85E-06	9.52E-07	3.18E-07	1.27E-06
193	609299.31	4170803.07	1.64E-06	6.75E-07	2.32E-06	2.73E-07	1.18E-07	3.90E-07	2.01E-07	6.73E-08	2.69E-07
194	609283.08	4170796.2	1.55E-06	6.35E-07	2.18E-06	2.57E-07	1.11E-07	3.68E-07	1.89E-07	6.33E-08	2.53E-07
195	609266.84	4170789.33	1.45E-06	5.96E-07	2.05E-06	2.41E-07	1.04E-07	3.45E-07	1.78E-07	5.94E-08	2.37E-07
196	609247.35	4170774.27	1.39E-06	5.70E-07	1.96E-06	2.30E-07	9.95E-08	3.30E-07	1.70E-07	5.68E-08	2.27E-07
197	609317.27	4170806.55	1.83E-06	7.52E-07	2.58E-06	3.04E-07	1.31E-07	4.35E-07	2.24E-07	7.50E-08	2.99E-07
198	609327.11	4170806.6	1.99E-06	8.19E-07	2.81E-06	3.31E-07	1.43E-07	4.74E-07	2.44E-07	8.17E-08	3.26E-07
199	609356.64	4170806.73	2.64E-06	1.08E-06	3.72E-06	4.38E-07	1.89E-07	6.28E-07	3.24E-07	1.08E-07	4.32E-07
200	609366.49	4170806.78	2.90E-06	1.19E-06	4.10E-06	4.82E-07	2.08E-07	6.90E-07	3.56E-07	1.19E-07	4.75E-07
201	609376.33	4170806.82	3.18E-06	1.31E-06	4.49E-06	5.29E-07	2.28E-07	7.57E-07	3.90E-07	1.30E-07	5.21E-07
202	609386.17	4170806.87	3.47E-06	1.43E-06	4.90E-06	5.76E-07	2.49E-07	8.25E-07	4.25E-07	1.42E-07	5.68E-07
203	609396.02	4170806.91	3.76E-06	1.55E-06	5.31E-06	6.25E-07	2.70E-07	8.95E-07	4.61E-07	1.54E-07	6.16E-07
204	609405.86	4170806.96	4.05E-06	1.67E-06	5.72E-06	6.74E-07	2.91E-07	9.64E-07	4.97E-07	1.66E-07	6.63E-07
205	609415.7	4170807	4.34E-06	1.78E-06	6.13E-06	7.21E-07	3.12E-07	1.03E-06	5.32E-07	1.78E-07	7.10E-07
206	609425.55	4170807.05	4.62E-06	1.90E-06	6.52E-06	7.68E-07	3.32E-07	1.10E-06	5.67E-07	1.90E-07	7.57E-07
207	609435.39	4170807.09	4.90E-06	2.01E-06	6.91E-06	8.13E-07	3.51E-07	1.16E-06	6.00E-07	2.01E-07	8.01E-07
208	609445.23	4170807.13	5.15E-06	2.12E-06	7.27E-06	8.56E-07	3.70E-07	1.23E-06	6.32E-07	2.11E-07	8.43E-07
209	609455.08	4170807.18	5.39E-06	2.22E-06	7.61E-06	8.95E-07	3.87E-07	1.28E-06	6.61E-07	2.21E-07	8.82E-07
210	609464.92	4170807.22	5.61E-06	2.31E-06	7.92E-06	9.32E-07	4.03E-07	1.34E-06	6.88E-07	2.30E-07	9.18E-07
211	609474.76	4170807.27	5.82E-06	2.39E-06	8.21E-06	9.66E-07	4.17E-07	1.38E-06	7.13E-07	2.38E-07	9.52E-07
212	609484.61	4170807.31	6.01E-06	2.47E-06	8.48E-06	9.98E-07	4.31E-07	1.43E-06	7.37E-07	2.46E-07	9.83E-07
213	609494.45	4170807.36	6.18E-06	2.54E-06	8.72E-06	1.03E-06	4.43E-07	1.47E-06	7.58E-07	2.53E-07	1.01E-06
214	609504.29	4170807.4	6.33E-06	2.60E-06	8.94E-06	1.05E-06	4.54E-07	1.51E-06	7.76E-07	2.60E-07	1.04E-06
215	609514.14	4170807.45	6.47E-06	2.66E-06	9.12E-06	1.07E-06	4.64E-07	1.54E-06	7.93E-07	2.65E-07	1.06E-06
216	609523.98	4170807.49	6.58E-06	2.70E-06	9.28E-06	1.09E-06	4.72E-07	1.57E-06	8.07E-07	2.70E-07	1.08E-06
217	609533.82	4170807.54	6.67E-06	2.74E-06	9.42E-06	1.11E-06	4.79E-07	1.59E-06	8.18E-07	2.74E-07	1.09E-06
218	609543.67	4170807.58	6.75E-06	2.77E-06	9.52E-06	1.12E-06	4.84E-07	1.61E-06	8.27E-07	2.77E-07	1.10E-06
219	609553.51	4170807.63	6.80E-06	2.79E-06	9.59E-06	1.13E-06	4.88E-07	1.62E-06	8.34E-07	2.79E-07	1.11E-06
220	609563.35	4170807.67	6.83E-06	2.81E-06	9.63E-06	1.13E-06	4.90E-07	1.62E-06	8.37E-07	2.80E-07	1.12E-06
221	609573.2	4170807.72	6.83E-06	2.81E-06	9.63E-06	1.13E-06	4.90E-07	1.62E-06	8.37E-07	2.80E-07	1.12E-06
222	609583.04	4170807.76	6.79E-06	2.79E-06	9.59E-06	1.13E-06	4.88E-07	1.62E-06	8.33E-07	2.79E-07	1.11E-06
223	609592.88	4170807.8	6.72E-06	2.76E-06	9.49E-06	1.12E-06	4.83E-07	1.60E-06	8.25E-07	2.76E-07	1.10E-06
224	609299.39	4170813.13	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.58E-07	1.84E-07	6.17E-08	2.46E-07
225	609283.41	4170806.36	1.43E-06	5.87E-07	2.02E-06	2.37E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
226	609267.43	4170799.6	1.35E-06	5.56E-07	1.91E-06	2.25E-07	9.70E-08	3.22E-07	1.66E-07	5.54E-08	2.21E-07
227	609317.22	4170816.55	1.66E-06	6.81E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
228	609327.07	4170816.6	1.79E-06	7.36E-07	2.52E-06	2.97E-07	1.28E-07	4.26E-07	2.19E-07	7.34E-08	2.93E-07
229	609336.91	4170816.64	1.94E-06	7.99E-07	2.74E-06	3.23E-07	1.39E-07	4.62E-07	2.38E-07	7.96E-08	3.18E-07
230	609356.6	4170816.73	2.31E-06	9.51E-07	3.26E-06	3.84E-07	1.66E-07	5.50E-07	2.84E-07	9.48E-08	3.78E-07
231	609366.44	4170816.78	2.52E-06	1.04E-06	3.56E-06	4.19E-07	1.81E-07	6.00E-07	3.09E-07	1.03E-07	4.13E-07
232	609376.28	4170816.82	2.75E-06	1.13E-06	3.88E-06	4.57E-07	1.97E-07	6.54E-07	3.37E-07	1.13E-07	4.50E-07
233	609386.13	4170816.87	2.98E-06	1.23E-06	4.21E-06	4.95E-07	2.14E-07	7.10E-07	3.66E-07	1.22E-07	4.88E-07
234	609395.97	4170816.91	3.22E-06	1.32E-06	4.55E-06	5.35E-07	2.31E-07	7.67E-07	3.95E-07	1.32E-07	5.27E-07
235	609405.81	4170816.96	3.46E-06	1.42E-06	4.89E-06	5.75E-07	2.49E-07	8.24E-07	4.25E-07	1.42E-07	5.67E-07
236	609415.66	4170817	3.70E-06	1.52E-06	5.23E-06	6.15E-07	2.66E-07	8.81E-07	4.54E-07	1.52E-07	6.06E-07
237	609425.5	4170817.05	3.94E-06	1.62E-06	5.56E-06	6.54E-07	2.83E-07	9.37E-07	4.83E-07	1.62E-07	6.45E-07
238	609435.34	4170817.09	4.17E-06	1.71E-06	5.88E-06	6.92E-07	2.99E-07	9.92E-07	5.11E-07	1.71E-07	6.82E-07
239	609445.19	4170817.13	4.39E-06	1.80E-06	6.19E-06	7.29E-07	3.15E-07	1.04E-06	5.38E-07	1.80E-07	7.18E-07
240	609455.03	4170817.18	4.60E-06	1.89E-06	6.48E-06	7.63E-07	3.30E-07	1.09E-06	5.63E-07	1.88E-07	7.52E-07
241	609464.87	4170817.22	4.79E-06	1.97E-06	6.76E-06	7.96E-07	3.44E-07	1.14E-06	5.87E-07	1.96E-07	7.84E-07
242	609474.72	4170817.27	4.97E-06	2.04E-06	7.02E-06	8.26E-07	3.57E-07	1.18E-06	6.10E-07	2.04E-07	8.13E-07
243	609484.56	4170817.31	5.14E-06	2.11E-06	7.26E-06	8.54E-07	3.69E-07	1.22E-06	6.31E-07	2.11E-07	8.42E-07
244	609494.4	4170817.36	5.30E-06	2.18E-06	7.48E-06	8.80E-07	3.80E-07	1.26E-06	6.50E-07	2.17E-07	8.67E-07
245	609504.25	4170817.4	5.44E-06	2.24E-06	7.68E-06	9.04E-07	3.90E-07	1.29E-06	6.67E-07	2.23E-07	8.90E-07
246	609514.09	4170817.45	5.56E-06	2.29E-06	7.85E-06	9.24E-07	3.99E-07	1.32E-06	6.82E-07	2.28E-07	9.10E-07
247	609523.93	4170817.49	5.67E-06	2.33E-06	8.00E-06	9.42E-07	4.07E-07	1.35E-06	6.95E-07	2.32E-07	9.28E-07
248	609533.78	4170817.54	5.76E-06	2.37E-06	8.13E-06	9.57E-07	4.13E-07	1.37E-06	7.06E-07	2.36E-07	9.43E-07

249	609543.62	4170817.58	5.84E-06	2.40E-06	8.24E-06	9.69E-07	4.19E-07	1.39E-06	7.16E-07	2.39E-07	9.55E-07
250	609553.46	4170817.63	5.89E-06	2.42E-06	8.31E-06	9.79E-07	4.23E-07	1.40E-06	7.22E-07	2.41E-07	9.64E-07
251	609563.31	4170817.67	5.93E-06	2.44E-06	8.36E-06	9.84E-07	4.25E-07	1.41E-06	7.27E-07	2.43E-07	9.69E-07
252	609573.15	4170817.72	5.94E-06	2.44E-06	8.38E-06	9.86E-07	4.26E-07	1.41E-06	7.28E-07	2.43E-07	9.71E-07
253	609582.99	4170817.76	5.92E-06	2.43E-06	8.36E-06	9.84E-07	4.25E-07	1.41E-06	7.26E-07	2.43E-07	9.69E-07
254	609592.84	4170817.8	5.88E-06	2.42E-06	8.29E-06	9.76E-07	4.22E-07	1.40E-06	7.21E-07	2.41E-07	9.62E-07
255	609298.46	4170822.75	1.38E-06	5.67E-07	1.95E-06	2.29E-07	9.90E-08	3.28E-07	1.69E-07	5.66E-08	2.26E-07
256	609289.58	4170818.99	1.35E-06	5.53E-07	1.90E-06	2.24E-07	9.66E-08	3.20E-07	1.65E-07	5.52E-08	2.20E-07
257	609280.7	4170815.24	1.31E-06	5.39E-07	1.85E-06	2.18E-07	9.41E-08	3.12E-07	1.61E-07	5.38E-08	2.15E-07
258	609214.93	4170742.7	1.26E-06	5.17E-07	1.77E-06	2.09E-07	9.02E-08	2.99E-07	1.54E-07	5.15E-08	2.06E-07
259	609211.37	4170733.74	1.27E-06	5.20E-07	1.79E-06	2.10E-07	9.08E-08	3.01E-07	1.55E-07	5.19E-08	2.07E-07
260	609307.34	4170826.51	1.41E-06	5.82E-07	2.00E-06	2.35E-07	1.02E-07	3.37E-07	1.73E-07	5.80E-08	2.31E-07
261	609317.18	4170826.55	1.51E-06	6.20E-07	2.13E-06	2.51E-07	1.08E-07	3.59E-07	1.85E-07	6.19E-08	2.47E-07
262	609327.02	4170826.6	1.62E-06	6.65E-07	2.28E-06	2.69E-07	1.16E-07	3.85E-07	1.98E-07	6.63E-08	2.65E-07
263	609336.87	4170826.64	1.75E-06	7.17E-07	2.46E-06	2.90E-07	1.25E-07	4.15E-07	2.14E-07	7.15E-08	2.86E-07
264	609356.55	4170826.73	2.05E-06	8.42E-07	2.89E-06	3.40E-07	1.47E-07	4.87E-07	2.51E-07	8.39E-08	3.35E-07
265	609366.4	4170826.78	2.22E-06	9.12E-07	3.13E-06	3.69E-07	1.59E-07	5.28E-07	2.72E-07	9.10E-08	3.63E-07
266	609376.24	4170826.82	2.40E-06	9.88E-07	3.39E-06	3.99E-07	1.72E-07	5.72E-07	2.95E-07	9.85E-08	3.93E-07
267	609386.08	4170826.87	2.60E-06	1.07E-06	3.66E-06	4.31E-07	1.86E-07	6.18E-07	3.18E-07	1.06E-07	4.25E-07
268	609395.93	4170826.91	2.80E-06	1.15E-06	3.94E-06	4.64E-07	2.01E-07	6.65E-07	3.43E-07	1.15E-07	4.57E-07
269	609405.77	4170826.96	3.00E-06	1.23E-06	4.23E-06	4.98E-07	2.15E-07	7.13E-07	3.67E-07	1.23E-07	4.90E-07
270	609415.61	4170827	3.20E-06	1.31E-06	4.51E-06	5.31E-07	2.29E-07	7.61E-07	3.92E-07	1.31E-07	5.23E-07
271	609425.46	4170827.04	3.40E-06	1.40E-06	4.79E-06	5.64E-07	2.44E-07	8.08E-07	4.17E-07	1.39E-07	5.56E-07
272	609435.3	4170827.09	3.59E-06	1.48E-06	5.07E-06	5.97E-07	2.58E-07	8.54E-07	4.40E-07	1.47E-07	5.88E-07
273	609445.14	4170827.13	3.78E-06	1.55E-06	5.33E-06	6.28E-07	2.71E-07	8.99E-07	4.63E-07	1.55E-07	6.18E-07
274	609454.99	4170827.18	3.96E-06	1.63E-06	5.59E-06	6.58E-07	2.84E-07	9.42E-07	4.85E-07	1.62E-07	6.48E-07
275	609464.83	4170827.22	4.13E-06	1.70E-06	5.83E-06	6.86E-07	2.96E-07	9.83E-07	5.06E-07	1.69E-07	6.76E-07
276	609474.67	4170827.27	4.29E-06	1.76E-06	6.06E-06	7.13E-07	3.08E-07	1.02E-06	5.26E-07	1.76E-07	7.02E-07
277	609484.52	4170827.31	4.45E-06	1.83E-06	6.27E-06	7.39E-07	3.19E-07	1.06E-06	5.45E-07	1.82E-07	7.27E-07
278	609494.36	4170827.36	4.59E-06	1.89E-06	6.47E-06	7.62E-07	3.29E-07	1.09E-06	5.63E-07	1.88E-07	7.51E-07
279	609504.2	4170827.4	4.72E-06	1.94E-06	6.66E-06	7.84E-07	3.39E-07	1.12E-06	5.78E-07	1.93E-07	7.72E-07
280	609514.05	4170827.45	4.83E-06	1.99E-06	6.82E-06	8.02E-07	3.47E-07	1.15E-06	5.92E-07	1.98E-07	7.90E-07
281	609523.89	4170827.49	4.93E-06	2.03E-06	6.96E-06	8.19E-07	3.54E-07	1.17E-06	6.05E-07	2.02E-07	8.07E-07
282	609533.73	4170827.54	5.02E-06	2.06E-06	7.08E-06	8.34E-07	3.60E-07	1.19E-06	6.15E-07	2.06E-07	8.21E-07
283	609543.58	4170827.58	5.09E-06	2.09E-06	7.18E-06	8.46E-07	3.65E-07	1.21E-06	6.24E-07	2.09E-07	8.33E-07
284	609553.42	4170827.63	5.15E-06	2.12E-06	7.26E-06	8.55E-07	3.69E-07	1.22E-06	6.31E-07	2.11E-07	8.42E-07
285	609563.26	4170827.67	5.19E-06	2.13E-06	7.32E-06	8.62E-07	3.72E-07	1.23E-06	6.36E-07	2.13E-07	8.49E-07
286	609573.11	4170827.71	5.21E-06	2.14E-06	7.35E-06	8.65E-07	3.74E-07	1.24E-06	6.38E-07	2.13E-07	8.52E-07
287	609582.95	4170827.76	5.20E-06	2.14E-06	7.34E-06	8.64E-07	3.73E-07	1.24E-06	6.38E-07	2.13E-07	8.51E-07
288	609592.79	4170827.8	5.18E-06	2.13E-06	7.30E-06	8.60E-07	3.71E-07	1.23E-06	6.35E-07	2.12E-07	8.47E-07
289	609298.61	4170832.83	1.27E-06	5.24E-07	1.80E-06	2.12E-07	9.15E-08	3.03E-07	1.56E-07	5.23E-08	2.09E-07
290	609289.93	4170829.16	1.25E-06	5.13E-07	1.76E-06	2.07E-07	8.95E-08	2.97E-07	1.53E-07	5.11E-08	2.04E-07
291	609246.53	4170810.79	1.10E-06	4.54E-07	1.56E-06	1.83E-07	7.93E-08	2.63E-07	1.35E-07	4.53E-08	1.81E-07
292	609237.85	4170807.11	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.70E-08	2.55E-07	1.31E-07	4.40E-08	1.75E-07
293	609225.68	4170794.68	1.07E-06	4.38E-07	1.50E-06	1.77E-07	7.64E-08	2.53E-07	1.31E-07	4.37E-08	1.74E-07
294	609222.2	4170785.92	1.09E-06	4.47E-07	1.54E-06	1.81E-07	7.81E-08	2.59E-07	1.33E-07	4.46E-08	1.78E-07
295	609218.71	4170777.16	1.11E-06	4.56E-07	1.57E-06	1.84E-07	7.96E-08	2.64E-07	1.36E-07	4.55E-08	1.82E-07
296	609208.26	4170750.89	1.15E-06	4.74E-07	1.63E-06	1.92E-07	8.28E-08	2.75E-07	1.42E-07	4.73E-08	1.89E-07
297	609204.78	4170742.13	1.16E-06	4.78E-07	1.64E-06	1.93E-07	8.34E-08	2.76E-07	1.42E-07	4.76E-08	1.90E-07
298	609201.29	4170733.37	1.17E-06	4.80E-07	1.65E-06	1.94E-07	8.37E-08	2.78E-07	1.43E-07	4.78E-08	1.91E-07
299	609307.29	4170836.51	1.30E-06	5.35E-07	1.84E-06	2.16E-07	9.35E-08	3.10E-07	1.60E-07	5.34E-08	2.13E-07
300	609317.13	4170836.55	1.38E-06	5.68E-07	1.95E-06	2.30E-07	9.92E-08	3.29E-07	1.70E-07	5.67E-08	2.26E-07
301	609326.98	4170836.6	1.47E-06	6.06E-07	2.08E-06	2.45E-07	1.06E-07	3.51E-07	1.81E-07	6.04E-08	2.41E-07
302	609356.51	4170836.73	1.83E-06	7.51E-07	2.58E-06	3.04E-07	1.31E-07	4.35E-07	2.24E-07	7.49E-08	2.99E-07
303	609366.35	4170836.78	1.97E-06	8.10E-07	2.78E-06	3.27E-07	1.41E-07	4.69E-07	2.42E-07	8.08E-08	3.22E-07
304	609376.19	4170836.82	2.12E-06	8.73E-07	3.00E-06	3.53E-07	1.52E-07	5.05E-07	2.60E-07	8.70E-08	3.47E-07
305	609386.04	4170836.87	2.28E-06	9.39E-07	3.22E-06	3.79E-07	1.64E-07	5.43E-07	2.80E-07	9.36E-08	3.74E-07
306	609395.88	4170836.91	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.00E-07	1.00E-07	4.01E-07
307	609405.72	4170836.96	2.62E-06	1.08E-06	3.70E-06	4.35E-07	1.88E-07	6.23E-07	3.21E-07	1.07E-07	4.28E-07
308	609415.57	4170837	2.79E-06	1.15E-06	3.94E-06	4.63E-07	2.00E-07	6.64E-07	3.42E-07	1.14E-07	4.56E-07
309	609425.41	4170837.04	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.12E-07	7.04E-07	3.63E-07	1.21E-07	4.84E-07
310	609435.25	4170837.09	3.13E-06	1.29E-06	4.41E-06	5.19E-07	2.24E-07	7.44E-07	3.83E-07	1.28E-07	5.11E-07
311	609445.1	4170837.13	3.29E-06	1.35E-06	4.64E-06	5.46E-07	2.36E-07	7.83E-07	4.03E-07	1.35E-07	5.38E-07

312	609454.94	4170837.18	3.45E-06	1.42E-06	4.86E-06	5.73E-07	2.47E-07	8.20E-07	4.23E-07	1.41E-07	5.64E-07
313	609464.78	4170837.22	3.60E-06	1.48E-06	5.08E-06	5.98E-07	2.58E-07	8.56E-07	4.41E-07	1.47E-07	5.89E-07
314	609474.63	4170837.27	3.74E-06	1.54E-06	5.28E-06	6.21E-07	2.68E-07	8.90E-07	4.59E-07	1.53E-07	6.12E-07
315	609484.47	4170837.31	3.88E-06	1.59E-06	5.47E-06	6.44E-07	2.78E-07	9.22E-07	4.75E-07	1.59E-07	6.34E-07
316	609494.31	4170837.36	4.00E-06	1.65E-06	5.65E-06	6.65E-07	2.87E-07	9.52E-07	4.91E-07	1.64E-07	6.55E-07
317	609504.16	4170837.4	4.12E-06	1.69E-06	5.82E-06	6.85E-07	2.96E-07	9.80E-07	5.05E-07	1.69E-07	6.74E-07
318	609514	4170837.45	4.23E-06	1.74E-06	5.96E-06	7.02E-07	3.03E-07	1.01E-06	5.18E-07	1.73E-07	6.91E-07
319	609523.84	4170837.49	4.32E-06	1.78E-06	6.10E-06	7.18E-07	3.10E-07	1.03E-06	5.30E-07	1.77E-07	7.07E-07
320	609533.69	4170837.54	4.40E-06	1.81E-06	6.21E-06	7.32E-07	3.16E-07	1.05E-06	5.40E-07	1.81E-07	7.21E-07
321	609543.53	4170837.58	4.47E-06	1.84E-06	6.31E-06	7.43E-07	3.21E-07	1.06E-06	5.49E-07	1.83E-07	7.32E-07
322	609553.37	4170837.63	4.53E-06	1.86E-06	6.39E-06	7.53E-07	3.25E-07	1.08E-06	5.56E-07	1.86E-07	7.41E-07
323	609563.22	4170837.67	4.57E-06	1.88E-06	6.45E-06	7.60E-07	3.28E-07	1.09E-06	5.61E-07	1.87E-07	7.48E-07
324	609573.06	4170837.71	4.60E-06	1.89E-06	6.49E-06	7.64E-07	3.30E-07	1.09E-06	5.64E-07	1.88E-07	7.52E-07
325	609582.9	4170837.76	4.60E-06	1.89E-06	6.50E-06	7.65E-07	3.30E-07	1.10E-06	5.64E-07	1.89E-07	7.53E-07
326	609592.75	4170837.8	4.59E-06	1.89E-06	6.48E-06	7.63E-07	3.29E-07	1.09E-06	5.63E-07	1.88E-07	7.51E-07
327	609264.63	4170828.47	1.09E-06	4.49E-07	1.54E-06	1.82E-07	7.84E-08	2.60E-07	1.34E-07	4.48E-08	1.79E-07
328	609256.11	4170824.86	1.07E-06	4.39E-07	1.51E-06	1.78E-07	7.67E-08	2.54E-07	1.31E-07	4.38E-08	1.75E-07
329	609247.59	4170821.26	1.04E-06	4.29E-07	1.47E-06	1.73E-07	7.49E-08	2.48E-07	1.28E-07	4.28E-08	1.71E-07
330	609239.06	4170817.65	1.02E-06	4.18E-07	1.44E-06	1.69E-07	7.30E-08	2.42E-07	1.25E-07	4.17E-08	1.66E-07
331	609230.54	4170814.04	9.90E-07	4.07E-07	1.40E-06	1.64E-07	7.10E-08	2.36E-07	1.21E-07	4.06E-08	1.62E-07
332	609218.6	4170801.83	9.84E-07	4.04E-07	1.39E-06	1.63E-07	7.06E-08	2.34E-07	1.21E-07	4.03E-08	1.61E-07
333	609215.18	4170793.23	1.01E-06	4.13E-07	1.42E-06	1.67E-07	7.21E-08	2.39E-07	1.23E-07	4.12E-08	1.64E-07
334	609211.75	4170784.64	1.02E-06	4.21E-07	1.44E-06	1.70E-07	7.35E-08	2.44E-07	1.26E-07	4.20E-08	1.67E-07
335	609201.49	4170758.84	1.06E-06	4.38E-07	1.50E-06	1.77E-07	7.64E-08	2.53E-07	1.31E-07	4.36E-08	1.74E-07
336	609198.07	4170750.24	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.69E-08	2.55E-07	1.31E-07	4.40E-08	1.75E-07
337	609194.65	4170741.64	1.08E-06	4.43E-07	1.52E-06	1.79E-07	7.73E-08	2.56E-07	1.32E-07	4.42E-08	1.76E-07
338	609191.23	4170733.04	1.08E-06	4.44E-07	1.52E-06	1.79E-07	7.75E-08	2.57E-07	1.32E-07	4.43E-08	1.77E-07
339	609356.46	4170846.73	1.64E-06	6.76E-07	2.32E-06	2.73E-07	1.18E-07	3.91E-07	2.02E-07	6.74E-08	2.69E-07
340	609366.31	4170846.78	1.76E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.19E-07	2.16E-07	7.23E-08	2.88E-07
341	609376.15	4170846.82	1.89E-06	7.78E-07	2.67E-06	3.14E-07	1.36E-07	4.50E-07	2.32E-07	7.76E-08	3.10E-07
342	609385.99	4170846.87	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.45E-07	4.82E-07	2.49E-07	8.31E-08	3.32E-07
343	609395.84	4170846.91	2.17E-06	8.91E-07	3.06E-06	3.60E-07	1.56E-07	5.15E-07	2.66E-07	8.88E-08	3.55E-07
344	609405.68	4170846.96	2.31E-06	9.50E-07	3.26E-06	3.84E-07	1.66E-07	5.50E-07	2.83E-07	9.47E-08	3.78E-07
345	609415.52	4170847	2.46E-06	1.01E-06	3.47E-06	4.08E-07	1.76E-07	5.84E-07	3.01E-07	1.01E-07	4.02E-07
346	609425.37	4170847.04	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.26E-07
347	609454.9	4170847.18	3.03E-06	1.24E-06	4.27E-06	5.03E-07	2.17E-07	7.20E-07	3.71E-07	1.24E-07	4.95E-07
348	609464.74	4170847.22	3.16E-06	1.30E-06	4.46E-06	5.25E-07	2.27E-07	7.51E-07	3.87E-07	1.29E-07	5.17E-07
349	609474.58	4170847.27	3.29E-06	1.35E-06	4.64E-06	5.46E-07	2.36E-07	7.81E-07	4.03E-07	1.35E-07	5.37E-07
350	609484.43	4170847.31	3.41E-06	1.40E-06	4.81E-06	5.66E-07	2.44E-07	8.10E-07	4.18E-07	1.40E-07	5.57E-07
351	609494.27	4170847.36	3.52E-06	1.45E-06	4.97E-06	5.85E-07	2.53E-07	8.37E-07	4.32E-07	1.44E-07	5.76E-07
352	609504.11	4170847.4	3.63E-06	1.49E-06	5.12E-06	6.02E-07	2.60E-07	8.63E-07	4.45E-07	1.49E-07	5.93E-07
353	609533.64	4170847.54	3.89E-06	1.60E-06	5.49E-06	6.46E-07	2.79E-07	9.26E-07	4.77E-07	1.60E-07	6.37E-07
354	609543.49	4170847.58	3.96E-06	1.63E-06	5.59E-06	6.58E-07	2.84E-07	9.42E-07	4.85E-07	1.62E-07	6.48E-07
355	609553.33	4170847.63	4.01E-06	1.65E-06	5.66E-06	6.67E-07	2.88E-07	9.55E-07	4.92E-07	1.65E-07	6.57E-07
356	609563.17	4170847.67	4.06E-06	1.67E-06	5.72E-06	6.74E-07	2.91E-07	9.65E-07	4.97E-07	1.66E-07	6.64E-07
357	609573.02	4170847.71	4.09E-06	1.68E-06	5.76E-06	6.79E-07	2.93E-07	9.72E-07	5.01E-07	1.67E-07	6.68E-07
358	609582.86	4170847.76	4.10E-06	1.68E-06	5.78E-06	6.81E-07	2.94E-07	9.75E-07	5.03E-07	1.68E-07	6.71E-07
359	609592.7	4170847.8	4.09E-06	1.68E-06	5.78E-06	6.80E-07	2.94E-07	9.74E-07	5.02E-07	1.68E-07	6.70E-07
360	609273.63	4170842.3	1.04E-06	4.29E-07	1.47E-06	1.73E-07	7.49E-08	2.48E-07	1.28E-07	4.28E-08	1.71E-07
361	609265.23	4170838.74	1.03E-06	4.22E-07	1.45E-06	1.70E-07	7.36E-08	2.44E-07	1.26E-07	4.21E-08	1.68E-07
362	609256.84	4170835.19	1.01E-06	4.14E-07	1.42E-06	1.67E-07	7.22E-08	2.39E-07	1.23E-07	4.13E-08	1.65E-07
363	609248.44	4170831.64	9.86E-07	4.05E-07	1.39E-06	1.64E-07	7.08E-08	2.35E-07	1.21E-07	4.04E-08	1.61E-07
364	609240.05	4170828.09	9.65E-07	3.96E-07	1.36E-06	1.60E-07	6.92E-08	2.29E-07	1.18E-07	3.95E-08	1.58E-07
365	609231.66	4170824.53	9.42E-07	3.87E-07	1.33E-06	1.56E-07	6.76E-08	2.24E-07	1.16E-07	3.86E-08	1.54E-07
366	609223.26	4170820.98	9.18E-07	3.77E-07	1.29E-06	1.52E-07	6.59E-08	2.18E-07	1.13E-07	3.76E-08	1.50E-07
367	609211.5	4170808.96	9.13E-07	3.75E-07	1.29E-06	1.52E-07	6.55E-08	2.17E-07	1.12E-07	3.74E-08	1.49E-07
368	609208.13	4170800.49	9.32E-07	3.83E-07	1.31E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.52E-07
369	609204.76	4170792.02	9.49E-07	3.90E-07	1.34E-06	1.58E-07	6.81E-08	2.26E-07	1.16E-07	3.89E-08	1.55E-07
370	609194.66	4170766.61	9.86E-07	4.05E-07	1.39E-06	1.64E-07	7.07E-08	2.35E-07	1.21E-07	4.04E-08	1.61E-07
371	609187.92	4170749.67	9.99E-07	4.11E-07	1.41E-06	1.66E-07	7.17E-08	2.38E-07	1.22E-07	4.09E-08	1.63E-07
372	609184.55	4170741.21	1.00E-06	4.12E-07	1.41E-06	1.66E-07	7.19E-08	2.38E-07	1.23E-07	4.11E-08	1.64E-07
373	609181.18	4170732.74	1.00E-06	4.13E-07	1.42E-06	1.67E-07	7.20E-08	2.39E-07	1.23E-07	4.11E-08	1.64E-07
374	609307.2	4170856.51	1.12E-06	4.58E-07	1.57E-06	1.85E-07	8.00E-08	2.65E-07	1.37E-07	4.57E-08	1.82E-07

375	609317.04	4170856.55	1.17E-06	4.83E-07	1.66E-06	1.95E-07	8.43E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
376	609326.89	4170856.6	1.24E-06	5.10E-07	1.75E-06	2.06E-07	8.90E-08	2.95E-07	1.52E-07	5.08E-08	2.03E-07
377	609336.73	4170856.64	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.43E-08	3.13E-07	1.61E-07	5.39E-08	2.15E-07
378	609356.42	4170856.73	1.49E-06	6.12E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.82E-07	6.10E-08	2.43E-07
379	609366.26	4170856.78	1.59E-06	6.53E-07	2.24E-06	2.64E-07	1.14E-07	3.78E-07	1.95E-07	6.51E-08	2.60E-07
380	609376.1	4170856.82	1.70E-06	6.98E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
381	609385.95	4170856.87	1.81E-06	7.45E-07	2.56E-06	3.01E-07	1.30E-07	4.31E-07	2.22E-07	7.43E-08	2.97E-07
382	609395.79	4170856.91	1.93E-06	7.94E-07	2.73E-06	3.21E-07	1.39E-07	4.60E-07	2.37E-07	7.92E-08	3.16E-07
383	609405.63	4170856.96	2.05E-06	8.44E-07	2.90E-06	3.41E-07	1.47E-07	4.89E-07	2.52E-07	8.42E-08	3.36E-07
384	609415.48	4170857	2.18E-06	8.96E-07	3.07E-06	3.62E-07	1.56E-07	5.18E-07	2.67E-07	8.93E-08	3.57E-07
385	609425.32	4170857.04	2.30E-06	9.47E-07	3.25E-06	3.83E-07	1.65E-07	5.48E-07	2.83E-07	9.45E-08	3.77E-07
386	609454.85	4170857.18	2.67E-06	1.10E-06	3.77E-06	4.44E-07	1.92E-07	6.36E-07	3.28E-07	1.10E-07	4.38E-07
387	609464.69	4170857.22	2.79E-06	1.15E-06	3.94E-06	4.64E-07	2.00E-07	6.64E-07	3.42E-07	1.14E-07	4.57E-07
388	609474.54	4170857.27	2.91E-06	1.19E-06	4.10E-06	4.83E-07	2.09E-07	6.91E-07	3.56E-07	1.19E-07	4.75E-07
389	609484.38	4170857.31	3.01E-06	1.24E-06	4.25E-06	5.01E-07	2.16E-07	7.17E-07	3.70E-07	1.24E-07	4.93E-07
390	609494.22	4170857.36	3.12E-06	1.28E-06	4.40E-06	5.18E-07	2.24E-07	7.41E-07	3.82E-07	1.28E-07	5.10E-07
391	609504.07	4170857.4	3.21E-06	1.32E-06	4.53E-06	5.34E-07	2.31E-07	7.64E-07	3.94E-07	1.32E-07	5.26E-07
392	609533.6	4170857.54	3.46E-06	1.42E-06	4.88E-06	5.75E-07	2.48E-07	8.23E-07	4.24E-07	1.42E-07	5.66E-07
393	609543.44	4170857.58	3.52E-06	1.45E-06	4.97E-06	5.85E-07	2.53E-07	8.38E-07	4.32E-07	1.44E-07	5.76E-07
394	609553.28	4170857.63	3.58E-06	1.47E-06	5.05E-06	5.94E-07	2.57E-07	8.51E-07	4.39E-07	1.47E-07	5.85E-07
395	609563.13	4170857.67	3.62E-06	1.49E-06	5.11E-06	6.01E-07	2.60E-07	8.61E-07	4.44E-07	1.48E-07	5.92E-07
396	609572.97	4170857.71	3.65E-06	1.50E-06	5.15E-06	6.06E-07	2.62E-07	8.68E-07	4.48E-07	1.50E-07	5.97E-07
397	609582.81	4170857.76	3.67E-06	1.51E-06	5.18E-06	6.09E-07	2.63E-07	8.73E-07	4.50E-07	1.50E-07	6.00E-07
398	609592.66	4170857.8	3.67E-06	1.51E-06	5.18E-06	6.10E-07	2.64E-07	8.73E-07	4.50E-07	1.51E-07	6.01E-07
399	609298.12	4170862.68	1.02E-06	4.19E-07	1.44E-06	1.70E-07	7.32E-08	2.43E-07	1.25E-07	4.18E-08	1.67E-07
400	609271	4170851.2	9.74E-07	4.00E-07	1.37E-06	1.62E-07	6.99E-08	2.32E-07	1.19E-07	3.99E-08	1.59E-07
401	609261.96	4170847.38	9.57E-07	3.93E-07	1.35E-06	1.59E-07	6.87E-08	2.28E-07	1.17E-07	3.92E-08	1.57E-07
402	609252.92	4170843.55	9.39E-07	3.86E-07	1.32E-06	1.56E-07	6.74E-08	2.23E-07	1.15E-07	3.85E-08	1.54E-07
403	609243.88	4170839.73	9.20E-07	3.78E-07	1.30E-06	1.53E-07	6.60E-08	2.19E-07	1.13E-07	3.77E-08	1.50E-07
404	609234.84	4170835.9	9.00E-07	3.70E-07	1.27E-06	1.49E-07	6.46E-08	2.14E-07	1.10E-07	3.69E-08	1.47E-07
405	609225.8	4170832.07	8.78E-07	3.61E-07	1.24E-06	1.46E-07	6.30E-08	2.09E-07	1.08E-07	3.60E-08	1.44E-07
406	609216.76	4170828.25	8.56E-07	3.52E-07	1.21E-06	1.42E-07	6.14E-08	2.04E-07	1.05E-07	3.51E-08	1.40E-07
407	609204.09	4170815.3	8.51E-07	3.50E-07	1.20E-06	1.41E-07	6.11E-08	2.02E-07	1.04E-07	3.49E-08	1.39E-07
408	609200.47	4170806.18	8.69E-07	3.57E-07	1.23E-06	1.44E-07	6.24E-08	2.07E-07	1.07E-07	3.56E-08	1.42E-07
409	609196.84	4170797.06	8.86E-07	3.64E-07	1.25E-06	1.47E-07	6.36E-08	2.11E-07	1.09E-07	3.63E-08	1.45E-07
410	609185.95	4170769.7	9.20E-07	3.78E-07	1.30E-06	1.53E-07	6.61E-08	2.19E-07	1.13E-07	3.77E-08	1.51E-07
411	609182.32	4170760.58	9.27E-07	3.81E-07	1.31E-06	1.54E-07	6.65E-08	2.21E-07	1.14E-07	3.80E-08	1.52E-07
412	609178.7	4170751.46	9.32E-07	3.83E-07	1.32E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.52E-07
413	609175.07	4170742.34	9.35E-07	3.84E-07	1.32E-06	1.55E-07	6.71E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
414	609171.44	4170733.22	9.36E-07	3.85E-07	1.32E-06	1.55E-07	6.71E-08	2.23E-07	1.15E-07	3.84E-08	1.53E-07
415	609307.15	4170866.51	1.04E-06	4.26E-07	1.46E-06	1.72E-07	7.44E-08	2.47E-07	1.27E-07	4.25E-08	1.70E-07
416	609317	4170866.55	1.09E-06	4.47E-07	1.53E-06	1.81E-07	7.80E-08	2.59E-07	1.33E-07	4.46E-08	1.78E-07
417	609326.84	4170866.6	1.14E-06	4.70E-07	1.61E-06	1.90E-07	8.21E-08	2.72E-07	1.40E-07	4.69E-08	1.87E-07
418	609336.68	4170866.64	1.21E-06	4.96E-07	1.70E-06	2.01E-07	8.66E-08	2.87E-07	1.48E-07	4.95E-08	1.98E-07
419	609356.37	4170866.73	1.36E-06	5.57E-07	1.91E-06	2.25E-07	9.73E-08	3.22E-07	1.66E-07	5.56E-08	2.22E-07
420	609366.21	4170866.78	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.43E-07	1.77E-07	5.91E-08	2.36E-07
421	609376.06	4170866.82	1.53E-06	6.30E-07	2.16E-06	2.55E-07	1.10E-07	3.65E-07	1.88E-07	6.29E-08	2.51E-07
422	609385.9	4170866.87	1.63E-06	6.71E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.69E-08	2.67E-07
423	609395.74	4170866.91	1.73E-06	7.13E-07	2.45E-06	2.88E-07	1.24E-07	4.12E-07	2.13E-07	7.11E-08	2.84E-07
424	609405.59	4170866.96	1.84E-06	7.56E-07	2.60E-06	3.06E-07	1.32E-07	4.37E-07	2.26E-07	7.54E-08	3.01E-07
425	609415.43	4170867	1.95E-06	8.00E-07	2.75E-06	3.23E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.19E-07
426	609425.27	4170867.04	2.06E-06	8.45E-07	2.90E-06	3.42E-07	1.48E-07	4.89E-07	2.52E-07	8.43E-08	3.36E-07
427	609454.8	4170867.18	2.38E-06	9.79E-07	3.36E-06	3.96E-07	1.71E-07	5.66E-07	2.92E-07	9.76E-08	3.90E-07
428	609464.65	4170867.22	2.49E-06	1.02E-06	3.51E-06	4.13E-07	1.78E-07	5.91E-07	3.05E-07	1.02E-07	4.07E-07
429	609474.49	4170867.27	2.59E-06	1.06E-06	3.65E-06	4.30E-07	1.86E-07	6.15E-07	3.17E-07	1.06E-07	4.23E-07
430	609484.33	4170867.31	2.68E-06	1.10E-06	3.79E-06	4.46E-07	1.93E-07	6.38E-07	3.29E-07	1.10E-07	4.39E-07
431	609494.18	4170867.36	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.60E-07	3.40E-07	1.14E-07	4.54E-07
432	609504.02	4170867.4	2.86E-06	1.18E-06	4.04E-06	4.76E-07	2.06E-07	6.81E-07	3.51E-07	1.17E-07	4.69E-07
433	609533.55	4170867.54	3.09E-06	1.27E-06	4.36E-06	5.14E-07	2.22E-07	7.35E-07	3.79E-07	1.27E-07	5.06E-07
434	609543.39	4170867.58	3.15E-06	1.30E-06	4.45E-06	5.24E-07	2.26E-07	7.50E-07	3.87E-07	1.29E-07	5.16E-07
435	609553.24	4170867.63	3.20E-06	1.32E-06	4.52E-06	5.32E-07	2.30E-07	7.62E-07	3.93E-07	1.31E-07	5.24E-07
436	609563.08	4170867.67	3.25E-06	1.33E-06	4.58E-06	5.39E-07	2.33E-07	7.72E-07	3.98E-07	1.33E-07	5.31E-07
437	609572.92	4170867.71	3.28E-06	1.35E-06	4.63E-06	5.45E-07	2.35E-07	7.80E-07	4.02E-07	1.34E-07	5.36E-07

438	609582.77	4170867.76	3.30E-06	1.36E-06	4.66E-06	5.48E-07	2.37E-07	7.85E-07	4.05E-07	1.35E-07	5.40E-07
439	609592.61	4170867.8	3.31E-06	1.36E-06	4.67E-06	5.50E-07	2.37E-07	7.87E-07	4.06E-07	1.36E-07	5.41E-07
440	609298.23	4170872.75	9.53E-07	3.92E-07	1.34E-06	1.58E-07	6.84E-08	2.27E-07	1.17E-07	3.91E-08	1.56E-07
441	609289.35	4170868.99	9.40E-07	3.86E-07	1.33E-06	1.56E-07	6.75E-08	2.24E-07	1.15E-07	3.85E-08	1.54E-07
442	609262.72	4170857.72	9.02E-07	3.71E-07	1.27E-06	1.50E-07	6.47E-08	2.15E-07	1.11E-07	3.70E-08	1.48E-07
443	609253.84	4170853.96	8.87E-07	3.65E-07	1.25E-06	1.47E-07	6.36E-08	2.11E-07	1.09E-07	3.64E-08	1.45E-07
444	609244.96	4170850.2	8.71E-07	3.58E-07	1.23E-06	1.45E-07	6.25E-08	2.07E-07	1.07E-07	3.57E-08	1.43E-07
445	609236.09	4170846.45	8.55E-07	3.51E-07	1.21E-06	1.42E-07	6.13E-08	2.03E-07	1.05E-07	3.50E-08	1.40E-07
446	609227.21	4170842.69	8.37E-07	3.44E-07	1.18E-06	1.39E-07	6.01E-08	1.99E-07	1.03E-07	3.43E-08	1.37E-07
447	609218.33	4170838.93	8.18E-07	3.36E-07	1.15E-06	1.36E-07	5.87E-08	1.95E-07	1.00E-07	3.35E-08	1.34E-07
448	609209.45	4170835.17	7.99E-07	3.28E-07	1.13E-06	1.33E-07	5.73E-08	1.90E-07	9.79E-08	3.27E-08	1.31E-07
449	609197.01	4170822.46	7.95E-07	3.27E-07	1.12E-06	1.32E-07	5.70E-08	1.89E-07	9.75E-08	3.26E-08	1.30E-07
450	609193.45	4170813.5	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.94E-08	3.32E-08	1.33E-07
451	609189.88	4170804.54	8.26E-07	3.39E-07	1.16E-06	1.37E-07	5.92E-08	1.96E-07	1.01E-07	3.38E-08	1.35E-07
452	609179.19	4170777.67	8.58E-07	3.53E-07	1.21E-06	1.43E-07	6.16E-08	2.04E-07	1.05E-07	3.52E-08	1.40E-07
453	609175.63	4170768.71	8.65E-07	3.56E-07	1.22E-06	1.44E-07	6.21E-08	2.06E-07	1.06E-07	3.55E-08	1.42E-07
454	609172.07	4170759.75	8.70E-07	3.58E-07	1.23E-06	1.45E-07	6.24E-08	2.07E-07	1.07E-07	3.57E-08	1.42E-07
455	609168.5	4170750.8	8.73E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
456	609164.94	4170741.84	8.74E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
457	609161.38	4170732.88	8.74E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
458	609307.11	4170876.51	9.66E-07	3.97E-07	1.36E-06	1.60E-07	6.93E-08	2.30E-07	1.18E-07	3.96E-08	1.58E-07
459	609316.95	4170876.55	1.01E-06	4.15E-07	1.43E-06	1.68E-07	7.25E-08	2.40E-07	1.24E-07	4.14E-08	1.65E-07
460	609326.8	4170876.6	1.06E-06	4.35E-07	1.49E-06	1.76E-07	7.60E-08	2.52E-07	1.30E-07	4.34E-08	1.73E-07
461	609336.64	4170876.64	1.11E-06	4.58E-07	1.57E-06	1.85E-07	7.99E-08	2.65E-07	1.37E-07	4.57E-08	1.82E-07
462	609356.33	4170876.73	1.24E-06	5.10E-07	1.75E-06	2.06E-07	8.91E-08	2.95E-07	1.52E-07	5.09E-08	2.03E-07
463	609366.17	4170876.78	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.43E-08	3.13E-07	1.61E-07	5.39E-08	2.15E-07
464	609376.01	4170876.82	1.39E-06	5.72E-07	1.97E-06	2.31E-07	9.99E-08	3.31E-07	1.71E-07	5.71E-08	2.28E-07
465	609385.86	4170876.87	1.48E-06	6.07E-07	2.08E-06	2.45E-07	1.06E-07	3.51E-07	1.81E-07	6.05E-08	2.42E-07
466	609395.7	4170876.91	1.57E-06	6.43E-07	2.21E-06	2.60E-07	1.12E-07	3.72E-07	1.92E-07	6.42E-08	2.56E-07
467	609405.54	4170876.96	1.66E-06	6.81E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
468	609415.39	4170877	1.75E-06	7.20E-07	2.47E-06	2.91E-07	1.26E-07	4.17E-07	2.15E-07	7.18E-08	2.87E-07
469	609425.23	4170877.04	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.33E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
470	609454.76	4170877.18	2.13E-06	8.77E-07	3.01E-06	3.54E-07	1.53E-07	5.07E-07	2.61E-07	8.74E-08	3.49E-07
471	609464.6	4170877.22	2.23E-06	9.15E-07	3.14E-06	3.70E-07	1.60E-07	5.29E-07	2.73E-07	9.12E-08	3.64E-07
472	609474.45	4170877.27	2.32E-06	9.52E-07	3.27E-06	3.85E-07	1.66E-07	5.51E-07	2.84E-07	9.50E-08	3.79E-07
473	609484.29	4170877.31	2.40E-06	9.88E-07	3.39E-06	3.99E-07	1.73E-07	5.72E-07	2.95E-07	9.85E-08	3.93E-07
474	609494.13	4170877.36	2.49E-06	1.02E-06	3.51E-06	4.13E-07	1.79E-07	5.92E-07	3.05E-07	1.02E-07	4.07E-07
475	609503.98	4170877.4	2.57E-06	1.06E-06	3.62E-06	4.27E-07	1.84E-07	6.11E-07	3.15E-07	1.05E-07	4.20E-07
476	609533.51	4170877.54	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.61E-07	3.40E-07	1.14E-07	4.54E-07
477	609543.35	4170877.58	2.83E-06	1.17E-06	4.00E-06	4.71E-07	2.03E-07	6.74E-07	3.48E-07	1.16E-07	4.64E-07
478	609553.19	4170877.63	2.88E-06	1.19E-06	4.07E-06	4.79E-07	2.07E-07	6.86E-07	3.54E-07	1.18E-07	4.72E-07
479	609563.04	4170877.67	2.93E-06	1.20E-06	4.13E-06	4.86E-07	2.10E-07	6.96E-07	3.59E-07	1.20E-07	4.79E-07
480	609572.88	4170877.71	2.96E-06	1.22E-06	4.17E-06	4.91E-07	2.12E-07	7.04E-07	3.63E-07	1.21E-07	4.84E-07
481	609582.72	4170877.76	2.98E-06	1.23E-06	4.21E-06	4.95E-07	2.14E-07	7.09E-07	3.66E-07	1.22E-07	4.88E-07
482	609592.57	4170877.8	2.99E-06	1.23E-06	4.22E-06	4.97E-07	2.15E-07	7.12E-07	3.67E-07	1.23E-07	4.90E-07
483	609298.32	4170882.81	8.91E-07	3.66E-07	1.26E-06	1.48E-07	6.40E-08	2.12E-07	1.09E-07	3.65E-08	1.46E-07
484	609289.58	4170879.11	8.81E-07	3.62E-07	1.24E-06	1.46E-07	6.32E-08	2.10E-07	1.08E-07	3.61E-08	1.44E-07
485	609280.84	4170875.41	8.71E-07	3.58E-07	1.23E-06	1.45E-07	6.25E-08	2.07E-07	1.07E-07	3.57E-08	1.43E-07
486	609254.62	4170864.31	8.38E-07	3.45E-07	1.18E-06	1.39E-07	6.02E-08	1.99E-07	1.03E-07	3.44E-08	1.37E-07
487	609245.87	4170860.61	8.25E-07	3.39E-07	1.16E-06	1.37E-07	5.92E-08	1.96E-07	1.01E-07	3.38E-08	1.35E-07
488	609237.13	4170856.91	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.95E-08	3.33E-08	1.33E-07
489	609228.39	4170853.21	7.97E-07	3.28E-07	1.12E-06	1.32E-07	5.72E-08	1.90E-07	9.77E-08	3.27E-08	1.30E-07
490	609219.65	4170849.51	7.82E-07	3.21E-07	1.10E-06	1.30E-07	5.61E-08	1.86E-07	9.59E-08	3.20E-08	1.28E-07
491	609210.91	4170845.81	7.66E-07	3.15E-07	1.08E-06	1.27E-07	5.49E-08	1.82E-07	9.39E-08	3.14E-08	1.25E-07
492	609202.17	4170842.11	7.48E-07	3.08E-07	1.06E-06	1.24E-07	5.37E-08	1.78E-07	9.17E-08	3.07E-08	1.22E-07
493	609189.92	4170829.59	7.45E-07	3.06E-07	1.05E-06	1.24E-07	5.35E-08	1.77E-07	9.14E-08	3.06E-08	1.22E-07
494	609186.41	4170820.77	7.59E-07	3.12E-07	1.07E-06	1.26E-07	5.45E-08	1.81E-07	9.31E-08	3.11E-08	1.24E-07
495	609182.9	4170811.95	7.72E-07	3.17E-07	1.09E-06	1.28E-07	5.54E-08	1.84E-07	9.47E-08	3.17E-08	1.26E-07
496	609172.37	4170785.49	8.03E-07	3.30E-07	1.13E-06	1.33E-07	5.76E-08	1.91E-07	9.84E-08	3.29E-08	1.31E-07
497	609168.87	4170776.67	8.10E-07	3.33E-07	1.14E-06	1.35E-07	5.81E-08	1.93E-07	9.93E-08	3.32E-08	1.33E-07
498	609165.36	4170767.85	8.15E-07	3.35E-07	1.15E-06	1.35E-07	5.85E-08	1.94E-07	9.99E-08	3.34E-08	1.33E-07
499	609161.85	4170759.03	8.18E-07	3.36E-07	1.15E-06	1.36E-07	5.87E-08	1.95E-07	1.00E-07	3.35E-08	1.34E-07
500	609158.34	4170750.21	8.20E-07	3.37E-07	1.16E-06	1.36E-07	5.88E-08	1.95E-07	1.01E-07	3.36E-08	1.34E-07

501	609154.83	4170741.39	8.20E-07	3.37E-07	1.16E-06	1.36E-07	5.88E-08	1.95E-07	1.00E-07	3.36E-08	1.34E-07
502	609151.32	4170732.57	8.19E-07	3.36E-07	1.16E-06	1.36E-07	5.87E-08	1.95E-07	1.00E-07	3.36E-08	1.34E-07
503	609307.06	4170886.51	9.02E-07	3.71E-07	1.27E-06	1.50E-07	6.47E-08	2.15E-07	1.11E-07	3.70E-08	1.48E-07
504	609316.91	4170886.55	9.41E-07	3.87E-07	1.33E-06	1.56E-07	6.75E-08	2.24E-07	1.15E-07	3.86E-08	1.54E-07
505	609326.75	4170886.6	9.84E-07	4.04E-07	1.39E-06	1.63E-07	7.06E-08	2.34E-07	1.21E-07	4.03E-08	1.61E-07
506	609336.59	4170886.64	1.03E-06	4.24E-07	1.46E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.23E-08	1.69E-07
507	609356.28	4170886.73	1.14E-06	4.69E-07	1.61E-06	1.90E-07	8.19E-08	2.71E-07	1.40E-07	4.68E-08	1.87E-07
508	609366.12	4170886.78	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.64E-08	2.86E-07	1.48E-07	4.94E-08	1.97E-07
509	609375.97	4170886.82	1.27E-06	5.23E-07	1.79E-06	2.11E-07	9.12E-08	3.02E-07	1.56E-07	5.21E-08	2.08E-07
510	609385.81	4170886.87	1.34E-06	5.52E-07	1.90E-06	2.23E-07	9.64E-08	3.20E-07	1.65E-07	5.51E-08	2.20E-07
511	609395.65	4170886.91	1.42E-06	5.84E-07	2.01E-06	2.36E-07	1.02E-07	3.38E-07	1.74E-07	5.83E-08	2.32E-07
512	609405.5	4170886.96	1.50E-06	6.17E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.15E-08	2.46E-07
513	609415.34	4170887	1.58E-06	6.51E-07	2.24E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.49E-08	2.59E-07
514	609425.18	4170887.04	1.67E-06	6.85E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.04E-07	6.84E-08	2.73E-07
515	609454.71	4170887.18	1.92E-06	7.90E-07	2.71E-06	3.19E-07	1.38E-07	4.57E-07	2.36E-07	7.87E-08	3.14E-07
516	609464.56	4170887.22	2.00E-06	8.24E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.22E-08	3.28E-07
517	609474.4	4170887.27	2.09E-06	8.57E-07	2.94E-06	3.46E-07	1.50E-07	4.96E-07	2.56E-07	8.55E-08	3.41E-07
518	609484.24	4170887.31	2.16E-06	8.90E-07	3.05E-06	3.60E-07	1.55E-07	5.15E-07	2.65E-07	8.87E-08	3.54E-07
519	609494.09	4170887.36	2.24E-06	9.21E-07	3.16E-06	3.72E-07	1.61E-07	5.33E-07	2.75E-07	9.19E-08	3.67E-07
520	609503.93	4170887.4	2.31E-06	9.51E-07	3.26E-06	3.84E-07	1.66E-07	5.50E-07	2.84E-07	9.48E-08	3.78E-07
521	609533.46	4170887.54	2.51E-06	1.03E-06	3.54E-06	4.16E-07	1.80E-07	5.96E-07	3.07E-07	1.03E-07	4.10E-07
522	609543.3	4170887.58	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.84E-07	6.09E-07	3.14E-07	1.05E-07	4.19E-07
523	609553.15	4170887.63	2.61E-06	1.07E-06	3.68E-06	4.33E-07	1.87E-07	6.20E-07	3.20E-07	1.07E-07	4.27E-07
524	609562.99	4170887.67	2.65E-06	1.09E-06	3.74E-06	4.40E-07	1.90E-07	6.30E-07	3.25E-07	1.09E-07	4.33E-07
525	609572.83	4170887.71	2.68E-06	1.10E-06	3.78E-06	4.45E-07	1.92E-07	6.38E-07	3.29E-07	1.10E-07	4.39E-07
526	609582.68	4170887.76	2.70E-06	1.11E-06	3.82E-06	4.49E-07	1.94E-07	6.43E-07	3.32E-07	1.11E-07	4.42E-07
527	609592.52	4170887.8	2.72E-06	1.12E-06	3.84E-06	4.52E-07	1.95E-07	6.47E-07	3.33E-07	1.11E-07	4.45E-07
528	609298.39	4170892.86	8.36E-07	3.43E-07	1.18E-06	1.39E-07	6.00E-08	1.99E-07	1.02E-07	3.43E-08	1.37E-07
529	609289.77	4170889.21	8.27E-07	3.40E-07	1.17E-06	1.37E-07	5.94E-08	1.97E-07	1.01E-07	3.39E-08	1.35E-07
530	609281.15	4170885.56	8.19E-07	3.37E-07	1.16E-06	1.36E-07	5.88E-08	1.95E-07	1.00E-07	3.36E-08	1.34E-07
531	609272.52	4170881.91	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.95E-08	3.33E-08	1.33E-07
532	609246.65	4170870.95	7.82E-07	3.22E-07	1.10E-06	1.30E-07	5.62E-08	1.86E-07	9.59E-08	3.21E-08	1.28E-07
533	609238.02	4170867.3	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.45E-08	3.16E-08	1.26E-07
534	609229.4	4170863.65	7.59E-07	3.12E-07	1.07E-06	1.26E-07	5.45E-08	1.81E-07	9.31E-08	3.11E-08	1.24E-07
535	609220.78	4170860	7.47E-07	3.07E-07	1.05E-06	1.24E-07	5.36E-08	1.78E-07	9.15E-08	3.06E-08	1.22E-07
536	609212.15	4170856.35	7.33E-07	3.01E-07	1.03E-06	1.22E-07	5.26E-08	1.74E-07	8.99E-08	3.00E-08	1.20E-07
537	609203.53	4170852.7	7.19E-07	2.95E-07	1.01E-06	1.19E-07	5.16E-08	1.71E-07	8.81E-08	2.95E-08	1.18E-07
538	609194.9	4170849.05	7.04E-07	2.89E-07	9.93E-07	1.17E-07	5.05E-08	1.67E-07	8.63E-08	2.88E-08	1.15E-07
539	609182.82	4170836.7	7.01E-07	2.88E-07	9.89E-07	1.16E-07	5.03E-08	1.67E-07	8.59E-08	2.87E-08	1.15E-07
540	609179.36	4170828	7.13E-07	2.93E-07	1.01E-06	1.18E-07	5.12E-08	1.70E-07	8.75E-08	2.92E-08	1.17E-07
541	609175.89	4170819.3	7.25E-07	2.98E-07	1.02E-06	1.20E-07	5.20E-08	1.72E-07	8.89E-08	2.97E-08	1.19E-07
542	609162.05	4170784.49	7.61E-07	3.13E-07	1.07E-06	1.26E-07	5.46E-08	1.81E-07	9.33E-08	3.12E-08	1.24E-07
543	609158.59	4170775.79	7.66E-07	3.15E-07	1.08E-06	1.27E-07	5.50E-08	1.82E-07	9.39E-08	3.14E-08	1.25E-07
544	609155.12	4170767.09	7.69E-07	3.16E-07	1.09E-06	1.28E-07	5.52E-08	1.83E-07	9.43E-08	3.15E-08	1.26E-07
545	609151.66	4170758.38	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.46E-08	3.16E-08	1.26E-07
546	609148.2	4170749.68	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.46E-08	3.16E-08	1.26E-07
547	609144.74	4170740.98	7.70E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.44E-08	3.16E-08	1.26E-07
548	609141.28	4170732.28	7.69E-07	3.16E-07	1.09E-06	1.28E-07	5.52E-08	1.83E-07	9.43E-08	3.15E-08	1.26E-07
549	609307.02	4170896.51	8.44E-07	3.47E-07	1.19E-06	1.40E-07	6.06E-08	2.01E-07	1.04E-07	3.46E-08	1.38E-07
550	609316.86	4170896.55	8.78E-07	3.61E-07	1.24E-06	1.46E-07	6.30E-08	2.09E-07	1.08E-07	3.60E-08	1.44E-07
551	609326.71	4170896.6	9.16E-07	3.76E-07	1.29E-06	1.52E-07	6.57E-08	2.18E-07	1.12E-07	3.75E-08	1.50E-07
552	609336.55	4170896.64	9.58E-07	3.94E-07	1.35E-06	1.59E-07	6.87E-08	2.28E-07	1.17E-07	3.93E-08	1.57E-07
553	609356.24	4170896.73	1.05E-06	4.33E-07	1.49E-06	1.75E-07	7.56E-08	2.51E-07	1.29E-07	4.32E-08	1.72E-07
554	609366.08	4170896.78	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.95E-08	2.64E-07	1.36E-07	4.54E-08	1.81E-07
555	609375.92	4170896.82	1.17E-06	4.80E-07	1.65E-06	1.94E-07	8.37E-08	2.78E-07	1.43E-07	4.78E-08	1.91E-07
556	609385.77	4170896.87	1.23E-06	5.05E-07	1.74E-06	2.04E-07	8.82E-08	2.93E-07	1.51E-07	5.04E-08	2.01E-07
557	609395.61	4170896.91	1.30E-06	5.33E-07	1.83E-06	2.15E-07	9.31E-08	3.08E-07	1.59E-07	5.32E-08	2.12E-07
558	609405.45	4170896.95	1.37E-06	5.62E-07	1.93E-06	2.27E-07	9.81E-08	3.25E-07	1.68E-07	5.60E-08	2.24E-07
559	609415.3	4170897	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.42E-07	1.76E-07	5.90E-08	2.35E-07
560	609425.14	4170897.04	1.51E-06	6.22E-07	2.14E-06	2.51E-07	1.09E-07	3.60E-07	1.86E-07	6.20E-08	2.48E-07
561	609454.67	4170897.18	1.74E-06	7.15E-07	2.45E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.13E-08	2.85E-07
562	609464.51	4170897.22	1.81E-06	7.46E-07	2.56E-06	3.01E-07	1.30E-07	4.31E-07	2.22E-07	7.44E-08	2.97E-07
563	609474.36	4170897.27	1.89E-06	7.76E-07	2.66E-06	3.13E-07	1.35E-07	4.49E-07	2.31E-07	7.74E-08	3.09E-07

564	609484.2	4170897.31	1.96E-06	8.05E-07	2.76E-06	3.25E-07	1.41E-07	4.66E-07	2.40E-07	8.03E-08	3.20E-07
565	609494.04	4170897.36	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.46E-07	4.82E-07	2.49E-07	8.31E-08	3.32E-07
566	609503.89	4170897.4	2.09E-06	8.61E-07	2.96E-06	3.48E-07	1.50E-07	4.98E-07	2.57E-07	8.59E-08	3.43E-07
567	609533.42	4170897.54	2.27E-06	9.34E-07	3.21E-06	3.77E-07	1.63E-07	5.40E-07	2.79E-07	9.31E-08	3.72E-07
568	609543.26	4170897.58	2.32E-06	9.55E-07	3.28E-06	3.86E-07	1.67E-07	5.52E-07	2.85E-07	9.52E-08	3.80E-07
569	609553.1	4170897.62	2.37E-06	9.73E-07	3.34E-06	3.93E-07	1.70E-07	5.63E-07	2.90E-07	9.71E-08	3.87E-07
570	609562.95	4170897.67	2.41E-06	9.89E-07	3.40E-06	4.00E-07	1.73E-07	5.72E-07	2.95E-07	9.86E-08	3.94E-07
571	609572.79	4170897.71	2.44E-06	1.00E-06	3.44E-06	4.05E-07	1.75E-07	5.80E-07	2.99E-07	1.00E-07	3.99E-07
572	609582.63	4170897.76	2.46E-06	1.01E-06	3.47E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
573	609592.48	4170897.8	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.90E-07	3.04E-07	1.02E-07	4.06E-07
574	609298.45	4170902.9	7.85E-07	3.23E-07	1.11E-06	1.30E-07	5.63E-08	1.87E-07	9.62E-08	3.22E-08	1.28E-07
575	609289.93	4170899.29	7.78E-07	3.20E-07	1.10E-06	1.29E-07	5.58E-08	1.85E-07	9.54E-08	3.19E-08	1.27E-07
576	609281.4	4170895.69	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.54E-08	1.83E-07	9.46E-08	3.16E-08	1.26E-07
577	609272.88	4170892.08	7.65E-07	3.14E-07	1.08E-06	1.27E-07	5.49E-08	1.82E-07	9.38E-08	3.14E-08	1.25E-07
578	609264.36	4170888.47	7.58E-07	3.12E-07	1.07E-06	1.26E-07	5.44E-08	1.80E-07	9.30E-08	3.11E-08	1.24E-07
579	609238.79	4170877.65	7.33E-07	3.01E-07	1.03E-06	1.22E-07	5.26E-08	1.74E-07	8.99E-08	3.00E-08	1.20E-07
580	609230.27	4170874.04	7.23E-07	2.97E-07	1.02E-06	1.20E-07	5.19E-08	1.72E-07	8.86E-08	2.96E-08	1.18E-07
581	609221.75	4170870.43	7.13E-07	2.93E-07	1.01E-06	1.18E-07	5.11E-08	1.70E-07	8.74E-08	2.92E-08	1.17E-07
582	609213.22	4170866.83	7.01E-07	2.88E-07	9.90E-07	1.17E-07	5.03E-08	1.67E-07	8.60E-08	2.88E-08	1.15E-07
583	609204.7	4170863.22	6.89E-07	2.83E-07	9.73E-07	1.15E-07	4.95E-08	1.64E-07	8.45E-08	2.83E-08	1.13E-07
584	609196.18	4170859.61	6.77E-07	2.78E-07	9.55E-07	1.12E-07	4.86E-08	1.61E-07	8.30E-08	2.77E-08	1.11E-07
585	609187.65	4170856	6.63E-07	2.73E-07	9.36E-07	1.10E-07	4.76E-08	1.58E-07	8.13E-08	2.72E-08	1.08E-07
586	609175.71	4170843.8	6.61E-07	2.72E-07	9.32E-07	1.10E-07	4.74E-08	1.57E-07	8.10E-08	2.71E-08	1.08E-07
587	609172.29	4170835.2	6.72E-07	2.76E-07	9.48E-07	1.12E-07	4.82E-08	1.60E-07	8.24E-08	2.75E-08	1.10E-07
588	609168.87	4170826.6	6.83E-07	2.81E-07	9.63E-07	1.13E-07	4.90E-08	1.62E-07	8.37E-08	2.80E-08	1.12E-07
589	609165.45	4170818	6.92E-07	2.85E-07	9.77E-07	1.15E-07	4.97E-08	1.65E-07	8.49E-08	2.84E-08	1.13E-07
590	609155.18	4170792.2	7.16E-07	2.94E-07	1.01E-06	1.19E-07	5.14E-08	1.70E-07	8.78E-08	2.93E-08	1.17E-07
591	609151.76	4170783.6	7.21E-07	2.96E-07	1.02E-06	1.20E-07	5.18E-08	1.72E-07	8.84E-08	2.96E-08	1.18E-07
592	609148.34	4170775	7.25E-07	2.98E-07	1.02E-06	1.20E-07	5.20E-08	1.73E-07	8.89E-08	2.97E-08	1.19E-07
593	609144.92	4170766.4	7.27E-07	2.99E-07	1.03E-06	1.21E-07	5.22E-08	1.73E-07	8.92E-08	2.98E-08	1.19E-07
594	609141.5	4170757.8	7.28E-07	2.99E-07	1.03E-06	1.21E-07	5.22E-08	1.73E-07	8.93E-08	2.98E-08	1.19E-07
595	609138.08	4170749.2	7.27E-07	2.99E-07	1.03E-06	1.21E-07	5.22E-08	1.73E-07	8.92E-08	2.98E-08	1.19E-07
596	609134.66	4170740.6	7.26E-07	2.98E-07	1.02E-06	1.21E-07	5.21E-08	1.73E-07	8.90E-08	2.98E-08	1.19E-07
597	609306.97	4170906.51	7.92E-07	3.25E-07	1.12E-06	1.32E-07	5.68E-08	1.88E-07	9.71E-08	3.25E-08	1.30E-07
598	609316.82	4170906.55	8.22E-07	3.38E-07	1.16E-06	1.37E-07	5.90E-08	1.96E-07	1.01E-07	3.37E-08	1.34E-07
599	609326.66	4170906.6	8.55E-07	3.51E-07	1.21E-06	1.42E-07	6.14E-08	2.03E-07	1.05E-07	3.51E-08	1.40E-07
600	609336.5	4170906.64	8.92E-07	3.66E-07	1.26E-06	1.48E-07	6.40E-08	2.12E-07	1.09E-07	3.65E-08	1.46E-07
601	609366.03	4170906.78	1.02E-06	4.21E-07	1.44E-06	1.70E-07	7.34E-08	2.43E-07	1.25E-07	4.20E-08	1.67E-07
602	609375.88	4170906.82	1.08E-06	4.42E-07	1.52E-06	1.79E-07	7.72E-08	2.56E-07	1.32E-07	4.41E-08	1.76E-07
603	609385.72	4170906.87	1.13E-06	4.65E-07	1.59E-06	1.88E-07	8.11E-08	2.69E-07	1.39E-07	4.63E-08	1.85E-07
604	609395.56	4170906.91	1.19E-06	4.89E-07	1.68E-06	1.97E-07	8.53E-08	2.83E-07	1.46E-07	4.87E-08	1.94E-07
605	609405.41	4170906.95	1.25E-06	5.14E-07	1.76E-06	2.08E-07	8.97E-08	2.97E-07	1.53E-07	5.13E-08	2.05E-07
606	609415.25	4170907	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.43E-08	3.13E-07	1.61E-07	5.39E-08	2.15E-07
607	609425.09	4170907.04	1.38E-06	5.67E-07	1.95E-06	2.29E-07	9.90E-08	3.28E-07	1.69E-07	5.66E-08	2.26E-07
608	609454.62	4170907.18	1.58E-06	6.50E-07	2.23E-06	2.63E-07	1.14E-07	3.76E-07	1.94E-07	6.49E-08	2.59E-07
609	609464.47	4170907.22	1.65E-06	6.78E-07	2.33E-06	2.74E-07	1.18E-07	3.92E-07	2.02E-07	6.76E-08	2.70E-07
610	609474.31	4170907.27	1.72E-06	7.05E-07	2.42E-06	2.85E-07	1.23E-07	4.08E-07	2.10E-07	7.03E-08	2.81E-07
611	609484.15	4170907.31	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.23E-07	2.18E-07	7.30E-08	2.91E-07
612	609494	4170907.36	1.84E-06	7.58E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.56E-08	3.02E-07
613	609503.84	4170907.4	1.90E-06	7.83E-07	2.69E-06	3.16E-07	1.37E-07	4.53E-07	2.33E-07	7.81E-08	3.12E-07
614	609533.37	4170907.54	2.07E-06	8.50E-07	2.92E-06	3.44E-07	1.48E-07	4.92E-07	2.54E-07	8.48E-08	3.38E-07
615	609543.21	4170907.58	2.12E-06	8.69E-07	2.98E-06	3.51E-07	1.52E-07	5.03E-07	2.59E-07	8.67E-08	3.46E-07
616	609553.06	4170907.62	2.16E-06	8.87E-07	3.04E-06	3.58E-07	1.55E-07	5.13E-07	2.65E-07	8.84E-08	3.53E-07
617	609562.9	4170907.67	2.19E-06	9.02E-07	3.10E-06	3.64E-07	1.57E-07	5.22E-07	2.69E-07	8.99E-08	3.59E-07
618	609572.74	4170907.71	2.23E-06	9.15E-07	3.14E-06	3.70E-07	1.60E-07	5.29E-07	2.73E-07	9.12E-08	3.64E-07
619	609582.59	4170907.76	2.25E-06	9.25E-07	3.18E-06	3.74E-07	1.61E-07	5.35E-07	2.76E-07	9.23E-08	3.68E-07
620	609592.43	4170907.8	2.27E-06	9.32E-07	3.20E-06	3.77E-07	1.63E-07	5.40E-07	2.78E-07	9.30E-08	3.71E-07
621	609297.93	4170912.7	7.38E-07	3.03E-07	1.04E-06	1.23E-07	5.30E-08	1.76E-07	9.05E-08	3.03E-08	1.21E-07
622	609288.94	4170908.89	7.32E-07	3.01E-07	1.03E-06	1.22E-07	5.25E-08	1.74E-07	8.98E-08	3.00E-08	1.20E-07
623	609279.94	4170905.08	7.26E-07	2.98E-07	1.02E-06	1.21E-07	5.21E-08	1.73E-07	8.90E-08	2.98E-08	1.19E-07
624	609270.94	4170901.28	7.20E-07	2.96E-07	1.02E-06	1.20E-07	5.17E-08	1.71E-07	8.83E-08	2.95E-08	1.18E-07
625	609261.95	4170897.47	7.14E-07	2.94E-07	1.01E-06	1.19E-07	5.13E-08	1.70E-07	8.76E-08	2.93E-08	1.17E-07
626	609234.96	4170886.04	6.92E-07	2.85E-07	9.77E-07	1.15E-07	4.97E-08	1.65E-07	8.49E-08	2.84E-08	1.13E-07

627	609225.96	4170882.24	6.84E-07	2.81E-07	9.65E-07	1.14E-07	4.91E-08	1.63E-07	8.38E-08	2.80E-08	1.12E-07
628	609216.97	4170878.43	6.74E-07	2.77E-07	9.51E-07	1.12E-07	4.84E-08	1.60E-07	8.27E-08	2.76E-08	1.10E-07
629	609207.97	4170874.62	6.64E-07	2.73E-07	9.37E-07	1.10E-07	4.76E-08	1.58E-07	8.14E-08	2.72E-08	1.09E-07
630	609198.97	4170870.81	6.52E-07	2.68E-07	9.21E-07	1.08E-07	4.68E-08	1.55E-07	8.00E-08	2.67E-08	1.07E-07
631	609189.98	4170867	6.40E-07	2.63E-07	9.03E-07	1.06E-07	4.59E-08	1.52E-07	7.85E-08	2.62E-08	1.05E-07
632	609180.98	4170863.2	6.27E-07	2.58E-07	8.85E-07	1.04E-07	4.50E-08	1.49E-07	7.69E-08	2.57E-08	1.03E-07
633	609168.37	4170850.31	6.25E-07	2.57E-07	8.82E-07	1.04E-07	4.49E-08	1.49E-07	7.67E-08	2.56E-08	1.02E-07
634	609164.76	4170841.23	6.36E-07	2.61E-07	8.97E-07	1.06E-07	4.56E-08	1.51E-07	7.80E-08	2.61E-08	1.04E-07
635	609161.15	4170832.16	6.46E-07	2.66E-07	9.12E-07	1.07E-07	4.64E-08	1.54E-07	7.92E-08	2.65E-08	1.06E-07
636	609146.71	4170795.85	6.78E-07	2.79E-07	9.57E-07	1.13E-07	4.87E-08	1.61E-07	8.31E-08	2.78E-08	1.11E-07
637	609143.1	4170786.77	6.83E-07	2.81E-07	9.64E-07	1.13E-07	4.90E-08	1.63E-07	8.38E-08	2.80E-08	1.12E-07
638	609139.48	4170777.7	6.87E-07	2.82E-07	9.69E-07	1.14E-07	4.93E-08	1.63E-07	8.42E-08	2.82E-08	1.12E-07
639	609135.87	4170768.62	6.89E-07	2.83E-07	9.72E-07	1.14E-07	4.94E-08	1.64E-07	8.44E-08	2.82E-08	1.13E-07
640	609132.26	4170759.54	6.89E-07	2.83E-07	9.72E-07	1.14E-07	4.94E-08	1.64E-07	8.45E-08	2.82E-08	1.13E-07
641	609128.65	4170750.46	6.88E-07	2.83E-07	9.71E-07	1.14E-07	4.94E-08	1.64E-07	8.43E-08	2.82E-08	1.13E-07
642	609306.93	4170916.51	7.44E-07	3.06E-07	1.05E-06	1.24E-07	5.34E-08	1.77E-07	9.12E-08	3.05E-08	1.22E-07
643	609316.77	4170916.55	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.45E-08	3.16E-08	1.26E-07
644	609326.61	4170916.6	8.00E-07	3.29E-07	1.13E-06	1.33E-07	5.74E-08	1.90E-07	9.81E-08	3.28E-08	1.31E-07
645	609336.46	4170916.64	8.32E-07	3.42E-07	1.17E-06	1.38E-07	5.97E-08	1.98E-07	1.02E-07	3.41E-08	1.36E-07
646	609365.99	4170916.78	9.49E-07	3.90E-07	1.34E-06	1.58E-07	6.81E-08	2.26E-07	1.16E-07	3.89E-08	1.55E-07
647	609375.83	4170916.82	9.94E-07	4.09E-07	1.40E-06	1.65E-07	7.14E-08	2.37E-07	1.22E-07	4.08E-08	1.63E-07
648	609385.67	4170916.87	1.04E-06	4.29E-07	1.47E-06	1.73E-07	7.48E-08	2.48E-07	1.28E-07	4.27E-08	1.71E-07
649	609395.52	4170916.91	1.09E-06	4.50E-07	1.54E-06	1.82E-07	7.85E-08	2.60E-07	1.34E-07	4.49E-08	1.79E-07
650	609405.36	4170916.95	1.15E-06	4.72E-07	1.62E-06	1.91E-07	8.24E-08	2.73E-07	1.41E-07	4.71E-08	1.88E-07
651	609415.2	4170917	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.65E-08	2.87E-07	1.48E-07	4.94E-08	1.97E-07
652	609425.05	4170917.04	1.26E-06	5.19E-07	1.78E-06	2.10E-07	9.07E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
653	609454.58	4170917.18	1.45E-06	5.94E-07	2.04E-06	2.40E-07	1.04E-07	3.44E-07	1.77E-07	5.93E-08	2.36E-07
654	609464.42	4170917.22	1.51E-06	6.19E-07	2.13E-06	2.50E-07	1.08E-07	3.58E-07	1.85E-07	6.17E-08	2.46E-07
655	609474.26	4170917.27	1.57E-06	6.44E-07	2.21E-06	2.60E-07	1.12E-07	3.73E-07	1.92E-07	6.42E-08	2.56E-07
656	609484.11	4170917.31	1.63E-06	6.68E-07	2.29E-06	2.70E-07	1.17E-07	3.87E-07	1.99E-07	6.66E-08	2.66E-07
657	609493.95	4170917.36	1.68E-06	6.92E-07	2.37E-06	2.79E-07	1.21E-07	4.00E-07	2.06E-07	6.90E-08	2.75E-07
658	609503.79	4170917.4	1.74E-06	7.14E-07	2.45E-06	2.89E-07	1.25E-07	4.13E-07	2.13E-07	7.13E-08	2.84E-07
659	609533.32	4170917.54	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.49E-07	2.32E-07	7.75E-08	3.09E-07
660	609543.17	4170917.58	1.93E-06	7.95E-07	2.73E-06	3.21E-07	1.39E-07	4.60E-07	2.37E-07	7.93E-08	3.16E-07
661	609553.01	4170917.62	1.97E-06	8.11E-07	2.78E-06	3.28E-07	1.42E-07	4.69E-07	2.42E-07	8.09E-08	3.23E-07
662	609562.85	4170917.67	2.01E-06	8.25E-07	2.83E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.23E-08	3.28E-07
663	609572.7	4170917.71	2.04E-06	8.38E-07	2.88E-06	3.39E-07	1.46E-07	4.85E-07	2.50E-07	8.36E-08	3.33E-07
664	609582.54	4170917.76	2.06E-06	8.48E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.46E-08	3.38E-07
665	609592.38	4170917.8	2.08E-06	8.56E-07	2.94E-06	3.46E-07	1.49E-07	4.95E-07	2.55E-07	8.53E-08	3.41E-07
666	609298	4170922.75	6.95E-07	2.86E-07	9.81E-07	1.15E-07	4.99E-08	1.65E-07	8.52E-08	2.85E-08	1.14E-07
667	609289.13	4170918.99	6.90E-07	2.84E-07	9.74E-07	1.15E-07	4.95E-08	1.64E-07	8.47E-08	2.83E-08	1.13E-07
668	609280.25	4170915.23	6.86E-07	2.82E-07	9.68E-07	1.14E-07	4.92E-08	1.63E-07	8.41E-08	2.81E-08	1.12E-07
669	609271.37	4170911.48	6.81E-07	2.80E-07	9.61E-07	1.13E-07	4.89E-08	1.62E-07	8.35E-08	2.79E-08	1.11E-07
670	609262.49	4170907.72	6.76E-07	2.78E-07	9.54E-07	1.12E-07	4.85E-08	1.61E-07	8.29E-08	2.77E-08	1.11E-07
671	609253.62	4170903.96	6.71E-07	2.76E-07	9.47E-07	1.12E-07	4.82E-08	1.60E-07	8.23E-08	2.75E-08	1.10E-07
672	609226.98	4170892.69	6.52E-07	2.68E-07	9.21E-07	1.08E-07	4.68E-08	1.55E-07	8.00E-08	2.67E-08	1.07E-07
673	609218.1	4170888.93	6.45E-07	2.65E-07	9.10E-07	1.07E-07	4.63E-08	1.53E-07	7.90E-08	2.64E-08	1.05E-07
674	609209.23	4170885.17	6.36E-07	2.61E-07	8.98E-07	1.06E-07	4.57E-08	1.51E-07	7.80E-08	2.61E-08	1.04E-07
675	609200.35	4170881.41	6.27E-07	2.58E-07	8.84E-07	1.04E-07	4.50E-08	1.49E-07	7.69E-08	2.57E-08	1.03E-07
676	609191.47	4170877.66	6.17E-07	2.53E-07	8.70E-07	1.02E-07	4.42E-08	1.47E-07	7.56E-08	2.53E-08	1.01E-07
677	609182.59	4170873.9	6.06E-07	2.49E-07	8.55E-07	1.01E-07	4.35E-08	1.44E-07	7.43E-08	2.48E-08	9.91E-08
678	609154.15	4170839.51	6.11E-07	2.51E-07	8.62E-07	1.01E-07	4.38E-08	1.45E-07	7.49E-08	2.50E-08	1.00E-07
679	609150.58	4170830.55	6.20E-07	2.55E-07	8.74E-07	1.03E-07	4.45E-08	1.47E-07	7.60E-08	2.54E-08	1.01E-07
680	609139.89	4170803.68	6.41E-07	2.63E-07	9.04E-07	1.06E-07	4.60E-08	1.52E-07	7.86E-08	2.63E-08	1.05E-07
681	609136.33	4170794.72	6.46E-07	2.66E-07	9.12E-07	1.07E-07	4.64E-08	1.54E-07	7.92E-08	2.65E-08	1.06E-07
682	609132.76	4170785.76	6.50E-07	2.67E-07	9.17E-07	1.08E-07	4.66E-08	1.55E-07	7.97E-08	2.66E-08	1.06E-07
683	609129.2	4170776.81	6.52E-07	2.68E-07	9.21E-07	1.08E-07	4.68E-08	1.55E-07	8.00E-08	2.67E-08	1.07E-07
684	609125.64	4170767.85	6.53E-07	2.69E-07	9.22E-07	1.09E-07	4.69E-08	1.55E-07	8.01E-08	2.68E-08	1.07E-07
685	609122.07	4170758.89	6.53E-07	2.68E-07	9.21E-07	1.08E-07	4.69E-08	1.55E-07	8.00E-08	2.68E-08	1.07E-07
686	609111.38	4170732.02	6.47E-07	2.66E-07	9.13E-07	1.08E-07	4.64E-08	1.54E-07	7.94E-08	2.65E-08	1.06E-07
687	609306.88	4170926.51	7.00E-07	2.88E-07	9.88E-07	1.16E-07	5.02E-08	1.67E-07	8.58E-08	2.87E-08	1.15E-07
688	609316.73	4170926.55	7.24E-07	2.98E-07	1.02E-06	1.20E-07	5.20E-08	1.72E-07	8.88E-08	2.97E-08	1.18E-07
689	609326.57	4170926.6	7.50E-07	3.08E-07	1.06E-06	1.25E-07	5.38E-08	1.78E-07	9.20E-08	3.08E-08	1.23E-07

690	609336.41	4170926.64	7.79E-07	3.20E-07	1.10E-06	1.29E-07	5.59E-08	1.85E-07	9.55E-08	3.19E-08	1.27E-07
691	609346.26	4170926.69	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.94E-08	3.32E-08	1.33E-07
692	609375.79	4170926.82	9.23E-07	3.79E-07	1.30E-06	1.53E-07	6.62E-08	2.19E-07	1.13E-07	3.78E-08	1.51E-07
693	609385.63	4170926.87	9.66E-07	3.97E-07	1.36E-06	1.60E-07	6.93E-08	2.30E-07	1.18E-07	3.96E-08	1.58E-07
694	609395.47	4170926.91	1.01E-06	4.16E-07	1.43E-06	1.68E-07	7.26E-08	2.41E-07	1.24E-07	4.15E-08	1.65E-07
695	609405.32	4170926.95	1.06E-06	4.36E-07	1.50E-06	1.76E-07	7.60E-08	2.52E-07	1.30E-07	4.34E-08	1.73E-07
696	609415.16	4170927	1.11E-06	4.56E-07	1.57E-06	1.84E-07	7.96E-08	2.64E-07	1.36E-07	4.55E-08	1.82E-07
697	609425	4170927.04	1.16E-06	4.78E-07	1.64E-06	1.93E-07	8.34E-08	2.77E-07	1.43E-07	4.76E-08	1.90E-07
698	609454.53	4170927.18	1.33E-06	5.45E-07	1.87E-06	2.20E-07	9.51E-08	3.15E-07	1.63E-07	5.43E-08	2.17E-07
699	609464.38	4170927.22	1.38E-06	5.68E-07	1.95E-06	2.29E-07	9.91E-08	3.28E-07	1.69E-07	5.66E-08	2.26E-07
700	609474.22	4170927.27	1.44E-06	5.90E-07	2.03E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.88E-08	2.35E-07
701	609484.06	4170927.31	1.49E-06	6.12E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.83E-07	6.10E-08	2.44E-07
702	609493.91	4170927.36	1.54E-06	6.34E-07	2.18E-06	2.56E-07	1.11E-07	3.67E-07	1.89E-07	6.32E-08	2.52E-07
703	609503.75	4170927.4	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.53E-08	2.61E-07
704	609533.28	4170927.54	1.73E-06	7.12E-07	2.44E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.10E-08	2.83E-07
705	609543.12	4170927.58	1.77E-06	7.29E-07	2.50E-06	2.95E-07	1.27E-07	4.22E-07	2.17E-07	7.27E-08	2.90E-07
706	609552.97	4170927.62	1.81E-06	7.44E-07	2.55E-06	3.01E-07	1.30E-07	4.31E-07	2.22E-07	7.42E-08	2.96E-07
707	609562.81	4170927.67	1.84E-06	7.58E-07	2.60E-06	3.06E-07	1.32E-07	4.39E-07	2.26E-07	7.56E-08	3.02E-07
708	609572.65	4170927.71	1.87E-06	7.70E-07	2.64E-06	3.11E-07	1.34E-07	4.46E-07	2.30E-07	7.68E-08	3.06E-07
709	609582.5	4170927.76	1.90E-06	7.80E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.33E-07	7.78E-08	3.10E-07
710	609592.34	4170927.8	1.92E-06	7.88E-07	2.70E-06	3.18E-07	1.38E-07	4.56E-07	2.35E-07	7.86E-08	3.14E-07
711	609298.06	4170932.79	6.56E-07	2.69E-07	9.25E-07	1.09E-07	4.70E-08	1.56E-07	8.04E-08	2.69E-08	1.07E-07
712	609289.29	4170929.08	6.52E-07	2.68E-07	9.20E-07	1.08E-07	4.68E-08	1.55E-07	7.99E-08	2.67E-08	1.07E-07
713	609280.52	4170925.37	6.48E-07	2.66E-07	9.15E-07	1.08E-07	4.65E-08	1.54E-07	7.95E-08	2.66E-08	1.06E-07
714	609271.74	4170921.65	6.45E-07	2.65E-07	9.09E-07	1.07E-07	4.63E-08	1.53E-07	7.90E-08	2.64E-08	1.05E-07
715	609262.97	4170917.94	6.41E-07	2.63E-07	9.04E-07	1.06E-07	4.60E-08	1.52E-07	7.85E-08	2.63E-08	1.05E-07
716	609254.2	4170914.23	6.37E-07	2.62E-07	8.99E-07	1.06E-07	4.57E-08	1.51E-07	7.81E-08	2.61E-08	1.04E-07
717	609245.42	4170910.51	6.33E-07	2.60E-07	8.93E-07	1.05E-07	4.54E-08	1.51E-07	7.76E-08	2.59E-08	1.04E-07
718	609219.1	4170899.37	6.16E-07	2.53E-07	8.70E-07	1.02E-07	4.42E-08	1.47E-07	7.56E-08	2.53E-08	1.01E-07
719	609210.33	4170895.66	6.09E-07	2.50E-07	8.60E-07	1.01E-07	4.37E-08	1.45E-07	7.47E-08	2.50E-08	9.97E-08
720	609201.56	4170891.94	6.02E-07	2.47E-07	8.49E-07	1.00E-07	4.32E-08	1.43E-07	7.38E-08	2.47E-08	9.84E-08
721	609192.78	4170888.23	5.93E-07	2.44E-07	8.37E-07	9.85E-08	4.26E-08	1.41E-07	7.27E-08	2.43E-08	9.71E-08
722	609125.99	4170793.71	6.16E-07	2.53E-07	8.69E-07	1.02E-07	4.42E-08	1.47E-07	7.55E-08	2.53E-08	1.01E-07
723	609122.47	4170784.85	6.19E-07	2.54E-07	8.73E-07	1.03E-07	4.44E-08	1.47E-07	7.59E-08	2.54E-08	1.01E-07
724	609118.95	4170776	6.20E-07	2.55E-07	8.76E-07	1.03E-07	4.45E-08	1.48E-07	7.61E-08	2.54E-08	1.02E-07
725	609104.86	4170740.59	6.16E-07	2.53E-07	8.69E-07	1.02E-07	4.42E-08	1.46E-07	7.55E-08	2.52E-08	1.01E-07
726	609101.34	4170731.74	6.14E-07	2.52E-07	8.66E-07	1.02E-07	4.40E-08	1.46E-07	7.52E-08	2.52E-08	1.00E-07
727	609306.84	4170936.51	6.60E-07	2.71E-07	9.31E-07	1.10E-07	4.73E-08	1.57E-07	8.09E-08	2.70E-08	1.08E-07
728	609316.68	4170936.55	6.81E-07	2.80E-07	9.62E-07	1.13E-07	4.89E-08	1.62E-07	8.36E-08	2.79E-08	1.11E-07
729	609326.52	4170936.6	7.05E-07	2.90E-07	9.95E-07	1.17E-07	5.06E-08	1.68E-07	8.65E-08	2.89E-08	1.15E-07
730	609336.37	4170936.64	7.31E-07	3.00E-07	1.03E-06	1.21E-07	5.24E-08	1.74E-07	8.96E-08	3.00E-08	1.20E-07
731	609346.21	4170936.69	7.59E-07	3.12E-07	1.07E-06	1.26E-07	5.45E-08	1.81E-07	9.30E-08	3.11E-08	1.24E-07
732	609356.05	4170936.73	7.90E-07	3.25E-07	1.11E-06	1.31E-07	5.67E-08	1.88E-07	9.68E-08	3.24E-08	1.29E-07
733	609424.96	4170937.04	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.70E-08	2.55E-07	1.32E-07	4.40E-08	1.76E-07
734	609484.02	4170937.31	1.37E-06	5.63E-07	1.93E-06	2.28E-07	9.83E-08	3.26E-07	1.68E-07	5.61E-08	2.24E-07
735	609493.86	4170937.36	1.42E-06	5.83E-07	2.00E-06	2.35E-07	1.02E-07	3.37E-07	1.74E-07	5.81E-08	2.32E-07
736	609503.7	4170937.4	1.46E-06	6.02E-07	2.07E-06	2.43E-07	1.05E-07	3.48E-07	1.80E-07	6.00E-08	2.40E-07
737	609533.23	4170937.54	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.53E-08	2.61E-07
738	609543.08	4170937.58	1.63E-06	6.71E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.69E-08	2.67E-07
739	609552.92	4170937.62	1.67E-06	6.85E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.04E-07	6.83E-08	2.73E-07
740	609562.76	4170937.67	1.70E-06	6.98E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
741	609572.61	4170937.71	1.73E-06	7.10E-07	2.44E-06	2.87E-07	1.24E-07	4.11E-07	2.12E-07	7.08E-08	2.82E-07
742	609582.45	4170937.76	1.75E-06	7.19E-07	2.47E-06	2.91E-07	1.26E-07	4.16E-07	2.15E-07	7.17E-08	2.86E-07
743	609592.29	4170937.8	1.77E-06	7.27E-07	2.50E-06	2.94E-07	1.27E-07	4.21E-07	2.17E-07	7.25E-08	2.89E-07
744	609298.11	4170942.83	6.19E-07	2.55E-07	8.74E-07	1.03E-07	4.44E-08	1.47E-07	7.59E-08	2.54E-08	1.01E-07
745	609289.43	4170939.16	6.16E-07	2.53E-07	8.70E-07	1.02E-07	4.42E-08	1.47E-07	7.56E-08	2.53E-08	1.01E-07
746	609280.75	4170935.48	6.14E-07	2.52E-07	8.66E-07	1.02E-07	4.40E-08	1.46E-07	7.52E-08	2.52E-08	1.00E-07
747	609272.07	4170931.81	6.11E-07	2.51E-07	8.62E-07	1.01E-07	4.38E-08	1.45E-07	7.49E-08	2.50E-08	9.99E-08
748	609263.39	4170928.14	6.08E-07	2.50E-07	8.58E-07	1.01E-07	4.36E-08	1.45E-07	7.45E-08	2.49E-08	9.94E-08
749	609254.71	4170924.46	6.05E-07	2.49E-07	8.54E-07	1.00E-07	4.34E-08	1.44E-07	7.42E-08	2.48E-08	9.90E-08
750	609246.03	4170920.79	6.02E-07	2.47E-07	8.49E-07	1.00E-07	4.32E-08	1.43E-07	7.38E-08	2.47E-08	9.85E-08
751	609237.35	4170917.11	5.98E-07	2.46E-07	8.44E-07	9.94E-08	4.29E-08	1.42E-07	7.33E-08	2.45E-08	9.79E-08
752	609202.62	4170902.42	5.77E-07	2.37E-07	8.15E-07	9.59E-08	4.14E-08	1.37E-07	7.08E-08	2.37E-08	9.45E-08

753	609147.06	4170871.61	5.34E-07	2.20E-07	7.54E-07	8.87E-08	3.83E-08	1.27E-07	6.55E-08	2.19E-08	8.74E-08
754	609115.7	4170792.78	5.88E-07	2.42E-07	8.30E-07	9.77E-08	4.22E-08	1.40E-07	7.21E-08	2.41E-08	9.62E-08
755	609112.21	4170784.03	5.90E-07	2.43E-07	8.33E-07	9.80E-08	4.23E-08	1.40E-07	7.23E-08	2.42E-08	9.65E-08
756	609101.76	4170757.75	5.89E-07	2.42E-07	8.31E-07	9.79E-08	4.23E-08	1.40E-07	7.22E-08	2.41E-08	9.64E-08
757	609098.28	4170748.99	5.87E-07	2.41E-07	8.29E-07	9.75E-08	4.21E-08	1.40E-07	7.20E-08	2.41E-08	9.61E-08
758	609094.79	4170740.23	5.85E-07	2.40E-07	8.25E-07	9.72E-08	4.20E-08	1.39E-07	7.17E-08	2.40E-08	9.57E-08
759	609091.31	4170731.47	5.83E-07	2.40E-07	8.22E-07	9.68E-08	4.18E-08	1.39E-07	7.14E-08	2.39E-08	9.53E-08
760	609306.79	4170946.51	6.23E-07	2.56E-07	8.79E-07	1.03E-07	4.47E-08	1.48E-07	7.64E-08	2.55E-08	1.02E-07
761	609316.64	4170946.55	6.43E-07	2.64E-07	9.07E-07	1.07E-07	4.61E-08	1.53E-07	7.88E-08	2.63E-08	1.05E-07
762	609326.48	4170946.6	6.64E-07	2.73E-07	9.37E-07	1.10E-07	4.76E-08	1.58E-07	8.14E-08	2.72E-08	1.09E-07
763	609336.32	4170946.64	6.87E-07	2.82E-07	9.69E-07	1.14E-07	4.93E-08	1.63E-07	8.42E-08	2.82E-08	1.12E-07
764	609346.17	4170946.69	7.12E-07	2.93E-07	1.00E-06	1.18E-07	5.11E-08	1.69E-07	8.73E-08	2.92E-08	1.17E-07
765	609356.01	4170946.73	7.40E-07	3.04E-07	1.04E-06	1.23E-07	5.31E-08	1.76E-07	9.07E-08	3.03E-08	1.21E-07
766	609365.85	4170946.78	7.69E-07	3.16E-07	1.09E-06	1.28E-07	5.52E-08	1.83E-07	9.43E-08	3.15E-08	1.26E-07
767	609592.25	4170947.8	1.64E-06	6.73E-07	2.31E-06	2.72E-07	1.17E-07	3.89E-07	2.01E-07	6.71E-08	2.68E-07
768	609298.15	4170952.87	5.86E-07	2.41E-07	8.27E-07	9.73E-08	4.21E-08	1.39E-07	7.19E-08	2.40E-08	9.59E-08
769	609289.55	4170949.23	5.83E-07	2.40E-07	8.23E-07	9.69E-08	4.19E-08	1.39E-07	7.15E-08	2.39E-08	9.55E-08
770	609280.95	4170945.59	5.81E-07	2.39E-07	8.20E-07	9.66E-08	4.17E-08	1.38E-07	7.13E-08	2.38E-08	9.51E-08
771	609272.36	4170941.95	5.79E-07	2.38E-07	8.18E-07	9.63E-08	4.16E-08	1.38E-07	7.10E-08	2.38E-08	9.48E-08
772	609263.76	4170938.31	5.77E-07	2.37E-07	8.15E-07	9.59E-08	4.14E-08	1.37E-07	7.08E-08	2.37E-08	9.45E-08
773	609255.16	4170934.67	5.75E-07	2.36E-07	8.12E-07	9.56E-08	4.13E-08	1.37E-07	7.05E-08	2.36E-08	9.41E-08
774	609246.56	4170931.03	5.73E-07	2.35E-07	8.08E-07	9.52E-08	4.11E-08	1.36E-07	7.02E-08	2.35E-08	9.37E-08
775	609237.97	4170927.39	5.70E-07	2.34E-07	8.04E-07	9.47E-08	4.09E-08	1.36E-07	6.99E-08	2.34E-08	9.33E-08
776	609229.37	4170923.76	5.67E-07	2.33E-07	8.00E-07	9.42E-08	4.07E-08	1.35E-07	6.95E-08	2.32E-08	9.28E-08
777	609220.77	4170920.12	5.63E-07	2.32E-07	7.95E-07	9.36E-08	4.04E-08	1.34E-07	6.91E-08	2.31E-08	9.21E-08
778	609169.19	4170898.28	5.27E-07	2.17E-07	7.44E-07	8.76E-08	3.78E-08	1.25E-07	6.46E-08	2.16E-08	8.62E-08
779	609160.59	4170894.64	5.19E-07	2.13E-07	7.32E-07	8.62E-08	3.72E-08	1.23E-07	6.36E-08	2.13E-08	8.49E-08
780	609151.99	4170891	5.10E-07	2.10E-07	7.20E-07	8.47E-08	3.66E-08	1.21E-07	6.25E-08	2.09E-08	8.35E-08
781	609139.94	4170878.69	5.09E-07	2.09E-07	7.18E-07	8.45E-08	3.65E-08	1.21E-07	6.24E-08	2.09E-08	8.32E-08
782	609136.49	4170870.01	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.33E-08	2.12E-08	8.44E-08
783	609133.04	4170861.34	5.23E-07	2.15E-07	7.38E-07	8.69E-08	3.75E-08	1.24E-07	6.41E-08	2.14E-08	8.56E-08
784	609129.59	4170852.66	5.30E-07	2.18E-07	7.47E-07	8.80E-08	3.80E-08	1.26E-07	6.49E-08	2.17E-08	8.67E-08
785	609095.08	4170765.92	5.62E-07	2.31E-07	7.94E-07	9.34E-08	4.04E-08	1.34E-07	6.90E-08	2.31E-08	9.20E-08
786	609091.63	4170757.24	5.61E-07	2.31E-07	7.91E-07	9.32E-08	4.02E-08	1.33E-07	6.88E-08	2.30E-08	9.18E-08
787	609088.18	4170748.57	5.59E-07	2.30E-07	7.88E-07	9.28E-08	4.01E-08	1.33E-07	6.85E-08	2.29E-08	9.14E-08
788	609084.73	4170739.89	5.56E-07	2.29E-07	7.85E-07	9.24E-08	3.99E-08	1.32E-07	6.82E-08	2.28E-08	9.10E-08
789	609081.28	4170731.22	5.54E-07	2.28E-07	7.82E-07	9.21E-08	3.98E-08	1.32E-07	6.80E-08	2.27E-08	9.07E-08
790	609306.75	4170956.51	5.89E-07	2.42E-07	8.31E-07	9.78E-08	4.23E-08	1.40E-07	7.22E-08	2.41E-08	9.64E-08
791	609316.59	4170956.55	6.07E-07	2.49E-07	8.56E-07	1.01E-07	4.35E-08	1.44E-07	7.44E-08	2.49E-08	9.92E-08
792	609326.43	4170956.6	6.26E-07	2.57E-07	8.83E-07	1.04E-07	4.49E-08	1.49E-07	7.67E-08	2.57E-08	1.02E-07
793	609336.28	4170956.64	6.47E-07	2.66E-07	9.13E-07	1.07E-07	4.64E-08	1.54E-07	7.93E-08	2.65E-08	1.06E-07
794	609346.12	4170956.69	6.70E-07	2.75E-07	9.45E-07	1.11E-07	4.81E-08	1.59E-07	8.21E-08	2.75E-08	1.10E-07
795	609355.96	4170956.73	6.95E-07	2.85E-07	9.80E-07	1.15E-07	4.98E-08	1.65E-07	8.52E-08	2.85E-08	1.14E-07
796	609365.81	4170956.78	7.21E-07	2.97E-07	1.02E-06	1.20E-07	5.18E-08	1.72E-07	8.85E-08	2.96E-08	1.18E-07
797	609375.65	4170956.82	7.50E-07	3.08E-07	1.06E-06	1.25E-07	5.39E-08	1.79E-07	9.20E-08	3.08E-08	1.23E-07
798	609385.49	4170956.86	7.82E-07	3.21E-07	1.10E-06	1.30E-07	5.61E-08	1.86E-07	9.58E-08	3.20E-08	1.28E-07
799	609395.34	4170956.91	8.15E-07	3.35E-07	1.15E-06	1.35E-07	5.85E-08	1.94E-07	9.99E-08	3.34E-08	1.33E-07
800	609405.18	4170956.95	8.50E-07	3.49E-07	1.20E-06	1.41E-07	6.10E-08	2.02E-07	1.04E-07	3.48E-08	1.39E-07
801	609415.02	4170957	8.86E-07	3.64E-07	1.25E-06	1.47E-07	6.36E-08	2.11E-07	1.09E-07	3.63E-08	1.45E-07
802	609424.87	4170957.04	9.24E-07	3.80E-07	1.30E-06	1.54E-07	6.63E-08	2.20E-07	1.13E-07	3.79E-08	1.51E-07
803	609434.71	4170957.09	9.63E-07	3.96E-07	1.36E-06	1.60E-07	6.91E-08	2.29E-07	1.18E-07	3.95E-08	1.58E-07
804	609444.55	4170957.13	1.00E-06	4.13E-07	1.42E-06	1.67E-07	7.20E-08	2.39E-07	1.23E-07	4.11E-08	1.64E-07
805	609454.4	4170957.18	1.05E-06	4.30E-07	1.47E-06	1.74E-07	7.50E-08	2.49E-07	1.28E-07	4.28E-08	1.71E-07
806	609464.24	4170957.22	1.09E-06	4.47E-07	1.53E-06	1.81E-07	7.80E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
807	609474.08	4170957.27	1.13E-06	4.64E-07	1.59E-06	1.87E-07	8.10E-08	2.68E-07	1.38E-07	4.63E-08	1.85E-07
808	609483.93	4170957.31	1.17E-06	4.81E-07	1.65E-06	1.94E-07	8.39E-08	2.78E-07	1.43E-07	4.79E-08	1.91E-07
809	609493.77	4170957.36	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.69E-08	2.88E-07	1.48E-07	4.96E-08	1.98E-07
810	609503.61	4170957.4	1.25E-06	5.14E-07	1.76E-06	2.08E-07	8.97E-08	2.97E-07	1.53E-07	5.13E-08	2.05E-07
811	609513.46	4170957.45	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.07E-07	1.58E-07	5.28E-08	2.11E-07
812	609523.3	4170957.49	1.33E-06	5.45E-07	1.87E-06	2.20E-07	9.51E-08	3.15E-07	1.63E-07	5.44E-08	2.17E-07
813	609533.14	4170957.53	1.36E-06	5.60E-07	1.92E-06	2.26E-07	9.77E-08	3.24E-07	1.67E-07	5.58E-08	2.23E-07
814	609542.99	4170957.58	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
815	609552.83	4170957.62	1.43E-06	5.86E-07	2.01E-06	2.37E-07	1.02E-07	3.39E-07	1.75E-07	5.84E-08	2.33E-07

816	609562.67	4170957.67	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.46E-07	1.78E-07	5.96E-08	2.38E-07
817	609572.52	4170957.71	1.48E-06	6.08E-07	2.09E-06	2.46E-07	1.06E-07	3.52E-07	1.81E-07	6.06E-08	2.42E-07
818	609582.36	4170957.76	1.50E-06	6.17E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.15E-08	2.45E-07
819	609592.2	4170957.8	1.52E-06	6.24E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.22E-08	2.48E-07
820	609297.73	4170962.71	5.55E-07	2.28E-07	7.84E-07	9.22E-08	3.99E-08	1.32E-07	6.81E-08	2.28E-08	9.09E-08
821	609288.76	4170958.91	5.53E-07	2.27E-07	7.81E-07	9.19E-08	3.97E-08	1.32E-07	6.78E-08	2.27E-08	9.05E-08
822	609279.79	4170955.12	5.52E-07	2.27E-07	7.78E-07	9.16E-08	3.96E-08	1.31E-07	6.76E-08	2.26E-08	9.02E-08
823	609270.82	4170951.32	5.50E-07	2.26E-07	7.76E-07	9.14E-08	3.95E-08	1.31E-07	6.74E-08	2.25E-08	9.00E-08
824	609261.84	4170947.52	5.48E-07	2.25E-07	7.74E-07	9.11E-08	3.94E-08	1.30E-07	6.72E-08	2.25E-08	8.97E-08
825	609252.87	4170943.72	5.47E-07	2.25E-07	7.72E-07	9.08E-08	3.92E-08	1.30E-07	6.70E-08	2.24E-08	8.95E-08
826	609243.9	4170939.93	5.45E-07	2.24E-07	7.69E-07	9.05E-08	3.91E-08	1.30E-07	6.68E-08	2.23E-08	8.92E-08
827	609234.93	4170936.13	5.43E-07	2.23E-07	7.66E-07	9.02E-08	3.89E-08	1.29E-07	6.65E-08	2.22E-08	8.88E-08
828	609225.96	4170932.33	5.40E-07	2.22E-07	7.62E-07	8.97E-08	3.88E-08	1.28E-07	6.62E-08	2.21E-08	8.84E-08
829	609216.99	4170928.53	5.37E-07	2.21E-07	7.57E-07	8.92E-08	3.85E-08	1.28E-07	6.58E-08	2.20E-08	8.78E-08
830	609181.1	4170913.34	5.17E-07	2.13E-07	7.30E-07	8.59E-08	3.71E-08	1.23E-07	6.34E-08	2.12E-08	8.46E-08
831	609172.13	4170909.55	5.11E-07	2.10E-07	7.20E-07	8.48E-08	3.66E-08	1.21E-07	6.26E-08	2.09E-08	8.35E-08
832	609163.16	4170905.75	5.03E-07	2.07E-07	7.10E-07	8.36E-08	3.61E-08	1.20E-07	6.17E-08	2.06E-08	8.23E-08
833	609154.19	4170901.95	4.95E-07	2.03E-07	6.99E-07	8.22E-08	3.55E-08	1.18E-07	6.07E-08	2.03E-08	8.10E-08
834	609145.22	4170898.15	4.87E-07	2.00E-07	6.87E-07	8.08E-08	3.49E-08	1.16E-07	5.97E-08	2.00E-08	7.96E-08
835	609132.64	4170885.31	4.85E-07	1.99E-07	6.85E-07	8.06E-08	3.48E-08	1.15E-07	5.95E-08	1.99E-08	7.94E-08
836	609129.04	4170876.25	4.92E-07	2.02E-07	6.95E-07	8.18E-08	3.53E-08	1.17E-07	6.04E-08	2.02E-08	8.05E-08
837	609125.44	4170867.2	4.99E-07	2.05E-07	7.04E-07	8.29E-08	3.58E-08	1.19E-07	6.12E-08	2.05E-08	8.17E-08
838	609121.84	4170858.15	5.06E-07	2.08E-07	7.14E-07	8.40E-08	3.63E-08	1.20E-07	6.20E-08	2.07E-08	8.27E-08
839	609111.04	4170830.99	5.23E-07	2.15E-07	7.37E-07	8.68E-08	3.75E-08	1.24E-07	6.41E-08	2.14E-08	8.55E-08
840	609107.44	4170821.94	5.27E-07	2.17E-07	7.44E-07	8.76E-08	3.78E-08	1.25E-07	6.47E-08	2.16E-08	8.63E-08
841	609093.03	4170785.73	5.38E-07	2.21E-07	7.59E-07	8.93E-08	3.86E-08	1.28E-07	6.59E-08	2.20E-08	8.80E-08
842	609089.43	4170776.68	5.38E-07	2.21E-07	7.59E-07	8.93E-08	3.86E-08	1.28E-07	6.59E-08	2.20E-08	8.80E-08
843	609085.83	4170767.63	5.37E-07	2.21E-07	7.57E-07	8.92E-08	3.85E-08	1.28E-07	6.58E-08	2.20E-08	8.78E-08
844	609082.23	4170758.58	5.35E-07	2.20E-07	7.55E-07	8.89E-08	3.84E-08	1.27E-07	6.56E-08	2.19E-08	8.75E-08
845	609078.63	4170749.53	5.33E-07	2.19E-07	7.52E-07	8.85E-08	3.82E-08	1.27E-07	6.53E-08	2.18E-08	8.72E-08
846	609075.03	4170740.47	5.30E-07	2.18E-07	7.48E-07	8.81E-08	3.81E-08	1.26E-07	6.50E-08	2.17E-08	8.68E-08
847	609071.43	4170731.42	5.28E-07	2.17E-07	7.45E-07	8.77E-08	3.79E-08	1.26E-07	6.48E-08	2.17E-08	8.64E-08
848	609306.7	4170966.51	5.58E-07	2.29E-07	7.87E-07	9.27E-08	4.00E-08	1.33E-07	6.84E-08	2.29E-08	9.13E-08
849	609316.54	4170966.55	5.74E-07	2.36E-07	8.09E-07	9.53E-08	4.12E-08	1.36E-07	7.03E-08	2.35E-08	9.38E-08
850	609326.39	4170966.6	5.91E-07	2.43E-07	8.34E-07	9.82E-08	4.24E-08	1.41E-07	7.25E-08	2.42E-08	9.67E-08
851	609336.23	4170966.64	6.10E-07	2.51E-07	8.61E-07	1.01E-07	4.38E-08	1.45E-07	7.48E-08	2.50E-08	9.98E-08
852	609346.07	4170966.69	6.31E-07	2.59E-07	8.90E-07	1.05E-07	4.53E-08	1.50E-07	7.74E-08	2.59E-08	1.03E-07
853	609355.92	4170966.73	6.54E-07	2.69E-07	9.22E-07	1.09E-07	4.69E-08	1.55E-07	8.01E-08	2.68E-08	1.07E-07
854	609365.76	4170966.78	6.78E-07	2.79E-07	9.57E-07	1.13E-07	4.86E-08	1.61E-07	8.31E-08	2.78E-08	1.11E-07
855	609375.6	4170966.82	7.04E-07	2.89E-07	9.94E-07	1.17E-07	5.05E-08	1.68E-07	8.63E-08	2.89E-08	1.15E-07
856	609385.45	4170966.86	7.32E-07	3.01E-07	1.03E-06	1.22E-07	5.26E-08	1.74E-07	8.98E-08	3.00E-08	1.20E-07
857	609395.29	4170966.91	7.62E-07	3.13E-07	1.08E-06	1.27E-07	5.47E-08	1.81E-07	9.35E-08	3.12E-08	1.25E-07
858	609405.13	4170966.95	7.94E-07	3.26E-07	1.12E-06	1.32E-07	5.70E-08	1.89E-07	9.73E-08	3.25E-08	1.30E-07
859	609414.98	4170967	8.27E-07	3.40E-07	1.17E-06	1.37E-07	5.94E-08	1.97E-07	1.01E-07	3.39E-08	1.35E-07
860	609424.82	4170967.04	8.62E-07	3.54E-07	1.22E-06	1.43E-07	6.18E-08	2.05E-07	1.06E-07	3.53E-08	1.41E-07
861	609434.66	4170967.09	8.97E-07	3.69E-07	1.27E-06	1.49E-07	6.44E-08	2.13E-07	1.10E-07	3.68E-08	1.47E-07
862	609444.51	4170967.13	9.34E-07	3.84E-07	1.32E-06	1.55E-07	6.70E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
863	609454.35	4170967.18	9.72E-07	3.99E-07	1.37E-06	1.61E-07	6.97E-08	2.31E-07	1.19E-07	3.98E-08	1.59E-07
864	609464.19	4170967.22	1.01E-06	4.15E-07	1.42E-06	1.68E-07	7.24E-08	2.40E-07	1.24E-07	4.14E-08	1.65E-07
865	609474.04	4170967.27	1.05E-06	4.31E-07	1.48E-06	1.74E-07	7.52E-08	2.49E-07	1.28E-07	4.29E-08	1.71E-07
866	609483.88	4170967.31	1.09E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
867	609493.72	4170967.36	1.12E-06	4.62E-07	1.59E-06	1.87E-07	8.06E-08	2.67E-07	1.38E-07	4.61E-08	1.84E-07
868	609503.57	4170967.4	1.16E-06	4.77E-07	1.64E-06	1.93E-07	8.33E-08	2.76E-07	1.42E-07	4.76E-08	1.90E-07
869	609513.41	4170967.45	1.20E-06	4.92E-07	1.69E-06	1.99E-07	8.58E-08	2.84E-07	1.47E-07	4.90E-08	1.96E-07
870	609523.25	4170967.49	1.23E-06	5.06E-07	1.74E-06	2.04E-07	8.83E-08	2.93E-07	1.51E-07	5.04E-08	2.01E-07
871	609533.1	4170967.53	1.26E-06	5.19E-07	1.78E-06	2.10E-07	9.07E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
872	609542.94	4170967.58	1.29E-06	5.32E-07	1.83E-06	2.15E-07	9.29E-08	3.08E-07	1.59E-07	5.31E-08	2.12E-07
873	609552.78	4170967.62	1.32E-06	5.44E-07	1.87E-06	2.20E-07	9.49E-08	3.15E-07	1.62E-07	5.42E-08	2.16E-07
874	609562.63	4170967.67	1.35E-06	5.55E-07	1.90E-06	2.24E-07	9.68E-08	3.21E-07	1.65E-07	5.53E-08	2.21E-07
875	609572.47	4170967.71	1.37E-06	5.65E-07	1.94E-06	2.28E-07	9.86E-08	3.27E-07	1.68E-07	5.63E-08	2.25E-07
876	609582.31	4170967.76	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
877	609592.16	4170967.8	1.41E-06	5.81E-07	1.99E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.79E-08	2.31E-07
878	609297.78	4170972.75	5.27E-07	2.17E-07	7.44E-07	8.76E-08	3.78E-08	1.25E-07	6.46E-08	2.16E-08	8.62E-08

879	609288.9	4170968.99	5.26E-07	2.16E-07	7.42E-07	8.73E-08	3.77E-08	1.25E-07	6.44E-08	2.15E-08	8.60E-08
880	609280.02	4170965.23	5.24E-07	2.15E-07	7.40E-07	8.71E-08	3.76E-08	1.25E-07	6.43E-08	2.15E-08	8.58E-08
881	609271.14	4170961.48	5.23E-07	2.15E-07	7.38E-07	8.69E-08	3.75E-08	1.24E-07	6.41E-08	2.14E-08	8.56E-08
882	609262.27	4170957.72	5.22E-07	2.15E-07	7.37E-07	8.67E-08	3.75E-08	1.24E-07	6.40E-08	2.14E-08	8.54E-08
883	609253.39	4170953.96	5.21E-07	2.14E-07	7.35E-07	8.65E-08	3.74E-08	1.24E-07	6.39E-08	2.14E-08	8.52E-08
884	609244.51	4170950.2	5.20E-07	2.14E-07	7.33E-07	8.63E-08	3.73E-08	1.24E-07	6.37E-08	2.13E-08	8.50E-08
885	609235.63	4170946.44	5.18E-07	2.13E-07	7.31E-07	8.61E-08	3.72E-08	1.23E-07	6.35E-08	2.12E-08	8.48E-08
886	609173.49	4170920.14	4.93E-07	2.03E-07	6.95E-07	8.19E-08	3.54E-08	1.17E-07	6.04E-08	2.02E-08	8.06E-08
887	609164.61	4170916.38	4.87E-07	2.00E-07	6.86E-07	8.08E-08	3.49E-08	1.16E-07	5.97E-08	1.99E-08	7.96E-08
888	609155.73	4170912.62	4.80E-07	1.97E-07	6.77E-07	7.97E-08	3.44E-08	1.14E-07	5.88E-08	1.97E-08	7.85E-08
889	609146.85	4170908.87	4.72E-07	1.94E-07	6.66E-07	7.84E-08	3.39E-08	1.12E-07	5.79E-08	1.94E-08	7.73E-08
890	609137.98	4170905.11	4.65E-07	1.91E-07	6.56E-07	7.72E-08	3.33E-08	1.11E-07	5.70E-08	1.90E-08	7.60E-08
891	609125.53	4170892.39	4.63E-07	1.90E-07	6.54E-07	7.70E-08	3.32E-08	1.10E-07	5.68E-08	1.90E-08	7.58E-08
892	609121.97	4170883.44	4.70E-07	1.93E-07	6.63E-07	7.80E-08	3.37E-08	1.12E-07	5.76E-08	1.93E-08	7.68E-08
893	609118.41	4170874.48	4.76E-07	1.96E-07	6.72E-07	7.91E-08	3.42E-08	1.13E-07	5.84E-08	1.95E-08	7.79E-08
894	609114.84	4170865.52	4.82E-07	1.98E-07	6.80E-07	8.01E-08	3.46E-08	1.15E-07	5.91E-08	1.98E-08	7.89E-08
895	609104.15	4170838.65	4.98E-07	2.05E-07	7.03E-07	8.27E-08	3.57E-08	1.18E-07	6.11E-08	2.04E-08	8.15E-08
896	609100.59	4170829.69	5.03E-07	2.07E-07	7.09E-07	8.35E-08	3.61E-08	1.20E-07	6.16E-08	2.06E-08	8.22E-08
897	609097.03	4170820.73	5.07E-07	2.08E-07	7.15E-07	8.42E-08	3.64E-08	1.21E-07	6.21E-08	2.08E-08	8.29E-08
898	609093.46	4170811.77	5.10E-07	2.10E-07	7.20E-07	8.47E-08	3.66E-08	1.21E-07	6.25E-08	2.09E-08	8.34E-08
899	609082.77	4170784.9	5.14E-07	2.11E-07	7.26E-07	8.55E-08	3.69E-08	1.22E-07	6.31E-08	2.11E-08	8.42E-08
900	609079.21	4170775.94	5.14E-07	2.11E-07	7.25E-07	8.54E-08	3.69E-08	1.22E-07	6.30E-08	2.11E-08	8.41E-08
901	609075.64	4170766.99	5.13E-07	2.11E-07	7.23E-07	8.52E-08	3.68E-08	1.22E-07	6.29E-08	2.10E-08	8.39E-08
902	609072.08	4170758.03	5.11E-07	2.10E-07	7.21E-07	8.48E-08	3.66E-08	1.21E-07	6.26E-08	2.09E-08	8.36E-08
903	609068.52	4170749.07	5.08E-07	2.09E-07	7.17E-07	8.45E-08	3.65E-08	1.21E-07	6.23E-08	2.08E-08	8.32E-08
904	609064.95	4170740.11	5.06E-07	2.08E-07	7.14E-07	8.41E-08	3.63E-08	1.20E-07	6.20E-08	2.07E-08	8.28E-08
905	609061.39	4170731.16	5.04E-07	2.07E-07	7.11E-07	8.37E-08	3.62E-08	1.20E-07	6.18E-08	2.07E-08	8.24E-08
906	609306.66	4170976.51	5.29E-07	2.17E-07	7.46E-07	8.79E-08	3.80E-08	1.26E-07	6.49E-08	2.17E-08	8.66E-08
907	609316.5	4170976.55	5.43E-07	2.23E-07	7.67E-07	9.03E-08	3.90E-08	1.29E-07	6.66E-08	2.23E-08	8.89E-08
908	609326.34	4170976.6	5.59E-07	2.30E-07	7.89E-07	9.29E-08	4.01E-08	1.33E-07	6.85E-08	2.29E-08	9.15E-08
909	609336.19	4170976.64	5.77E-07	2.37E-07	8.14E-07	9.58E-08	4.14E-08	1.37E-07	7.07E-08	2.36E-08	9.43E-08
910	609346.03	4170976.69	5.96E-07	2.45E-07	8.41E-07	9.89E-08	4.27E-08	1.42E-07	7.30E-08	2.44E-08	9.75E-08
911	609355.87	4170976.73	6.16E-07	2.53E-07	8.70E-07	1.02E-07	4.42E-08	1.47E-07	7.56E-08	2.53E-08	1.01E-07
912	609365.72	4170976.78	6.39E-07	2.62E-07	9.01E-07	1.06E-07	4.58E-08	1.52E-07	7.83E-08	2.62E-08	1.04E-07
913	609375.56	4170976.82	6.62E-07	2.72E-07	9.35E-07	1.10E-07	4.75E-08	1.58E-07	8.12E-08	2.72E-08	1.08E-07
914	609385.4	4170976.86	6.88E-07	2.83E-07	9.71E-07	1.14E-07	4.94E-08	1.64E-07	8.44E-08	2.82E-08	1.13E-07
915	609395.25	4170976.91	7.15E-07	2.94E-07	1.01E-06	1.19E-07	5.13E-08	1.70E-07	8.77E-08	2.93E-08	1.17E-07
916	609405.09	4170976.95	7.44E-07	3.06E-07	1.05E-06	1.24E-07	5.34E-08	1.77E-07	9.12E-08	3.05E-08	1.22E-07
917	609414.93	4170977	7.74E-07	3.18E-07	1.09E-06	1.29E-07	5.56E-08	1.84E-07	9.49E-08	3.17E-08	1.27E-07
918	609424.78	4170977.04	8.06E-07	3.31E-07	1.14E-06	1.34E-07	5.78E-08	1.92E-07	9.88E-08	3.30E-08	1.32E-07
919	609434.62	4170977.09	8.38E-07	3.45E-07	1.18E-06	1.39E-07	6.02E-08	1.99E-07	1.03E-07	3.44E-08	1.37E-07
920	609444.46	4170977.13	8.72E-07	3.58E-07	1.23E-06	1.45E-07	6.26E-08	2.07E-07	1.07E-07	3.57E-08	1.43E-07
921	609454.31	4170977.18	9.06E-07	3.72E-07	1.28E-06	1.51E-07	6.50E-08	2.16E-07	1.11E-07	3.71E-08	1.48E-07
922	609464.15	4170977.22	9.41E-07	3.87E-07	1.33E-06	1.56E-07	6.75E-08	2.24E-07	1.15E-07	3.86E-08	1.54E-07
923	609473.99	4170977.27	9.75E-07	4.01E-07	1.38E-06	1.62E-07	7.00E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
924	609483.84	4170977.31	1.01E-06	4.15E-07	1.43E-06	1.68E-07	7.25E-08	2.40E-07	1.24E-07	4.14E-08	1.65E-07
925	609493.68	4170977.36	1.05E-06	4.30E-07	1.48E-06	1.74E-07	7.50E-08	2.49E-07	1.28E-07	4.29E-08	1.71E-07
926	609503.52	4170977.4	1.08E-06	4.44E-07	1.52E-06	1.79E-07	7.75E-08	2.57E-07	1.32E-07	4.43E-08	1.77E-07
927	609513.37	4170977.45	1.11E-06	4.57E-07	1.57E-06	1.85E-07	7.99E-08	2.65E-07	1.36E-07	4.56E-08	1.82E-07
928	609523.21	4170977.49	1.14E-06	4.71E-07	1.62E-06	1.90E-07	8.21E-08	2.72E-07	1.40E-07	4.69E-08	1.87E-07
929	609533.05	4170977.53	1.18E-06	4.83E-07	1.66E-06	1.95E-07	8.43E-08	2.80E-07	1.44E-07	4.82E-08	1.92E-07
930	609542.9	4170977.58	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.64E-08	2.86E-07	1.48E-07	4.94E-08	1.97E-07
931	609552.74	4170977.62	1.23E-06	5.06E-07	1.74E-06	2.05E-07	8.84E-08	2.93E-07	1.51E-07	5.05E-08	2.01E-07
932	609562.58	4170977.67	1.26E-06	5.16E-07	1.77E-06	2.09E-07	9.02E-08	2.99E-07	1.54E-07	5.15E-08	2.06E-07
933	609572.43	4170977.71	1.28E-06	5.26E-07	1.80E-06	2.12E-07	9.18E-08	3.04E-07	1.57E-07	5.24E-08	2.09E-07
934	609582.27	4170977.76	1.30E-06	5.34E-07	1.83E-06	2.16E-07	9.32E-08	3.09E-07	1.59E-07	5.33E-08	2.13E-07
935	609297.82	4170982.79	5.01E-07	2.06E-07	7.07E-07	8.32E-08	3.60E-08	1.19E-07	6.14E-08	2.05E-08	8.20E-08
936	609289.02	4170979.06	5.00E-07	2.05E-07	7.05E-07	8.30E-08	3.59E-08	1.19E-07	6.13E-08	2.05E-08	8.18E-08
937	609280.23	4170975.34	4.99E-07	2.05E-07	7.04E-07	8.28E-08	3.58E-08	1.19E-07	6.11E-08	2.04E-08	8.16E-08
938	609271.44	4170971.62	4.98E-07	2.05E-07	7.03E-07	8.27E-08	3.57E-08	1.18E-07	6.10E-08	2.04E-08	8.15E-08
939	609262.64	4170967.9	4.97E-07	2.04E-07	7.02E-07	8.26E-08	3.57E-08	1.18E-07	6.10E-08	2.04E-08	8.13E-08
940	609253.85	4170964.18	4.97E-07	2.04E-07	7.01E-07	8.25E-08	3.56E-08	1.18E-07	6.09E-08	2.04E-08	8.12E-08
941	609245.06	4170960.45	4.96E-07	2.04E-07	6.99E-07	8.23E-08	3.56E-08	1.18E-07	6.08E-08	2.03E-08	8.11E-08

942	609201.09	4170941.84	4.87E-07	2.00E-07	6.87E-07	8.09E-08	3.49E-08	1.16E-07	5.97E-08	2.00E-08	7.97E-08
943	609165.92	4170926.95	4.70E-07	1.93E-07	6.63E-07	7.81E-08	3.37E-08	1.12E-07	5.76E-08	1.93E-08	7.69E-08
944	609157.12	4170923.23	4.64E-07	1.91E-07	6.55E-07	7.71E-08	3.33E-08	1.10E-07	5.69E-08	1.90E-08	7.60E-08
945	609148.33	4170919.51	4.58E-07	1.88E-07	6.46E-07	7.61E-08	3.29E-08	1.09E-07	5.61E-08	1.88E-08	7.49E-08
946	609139.54	4170915.79	4.51E-07	1.85E-07	6.37E-07	7.49E-08	3.24E-08	1.07E-07	5.53E-08	1.85E-08	7.38E-08
947	609130.74	4170912.07	4.44E-07	1.83E-07	6.27E-07	7.38E-08	3.19E-08	1.06E-07	5.45E-08	1.82E-08	7.27E-08
948	609118.42	4170899.47	4.43E-07	1.82E-07	6.25E-07	7.36E-08	3.18E-08	1.05E-07	5.43E-08	1.82E-08	7.25E-08
949	609114.89	4170890.6	4.49E-07	1.84E-07	6.33E-07	7.46E-08	3.22E-08	1.07E-07	5.50E-08	1.84E-08	7.34E-08
950	609111.36	4170881.73	4.54E-07	1.87E-07	6.41E-07	7.55E-08	3.26E-08	1.08E-07	5.57E-08	1.86E-08	7.44E-08
951	609107.83	4170872.86	4.60E-07	1.89E-07	6.49E-07	7.64E-08	3.30E-08	1.09E-07	5.64E-08	1.89E-08	7.53E-08
952	609093.71	4170837.37	4.79E-07	1.97E-07	6.77E-07	7.96E-08	3.44E-08	1.14E-07	5.88E-08	1.97E-08	7.84E-08
953	609090.18	4170828.49	4.84E-07	1.99E-07	6.82E-07	8.03E-08	3.47E-08	1.15E-07	5.93E-08	1.98E-08	7.91E-08
954	609086.65	4170819.62	4.87E-07	2.00E-07	6.87E-07	8.09E-08	3.50E-08	1.16E-07	5.97E-08	2.00E-08	7.97E-08
955	609083.12	4170810.75	4.90E-07	2.01E-07	6.91E-07	8.13E-08	3.51E-08	1.16E-07	6.00E-08	2.01E-08	8.01E-08
956	609069.01	4170775.26	4.92E-07	2.02E-07	6.94E-07	8.17E-08	3.53E-08	1.17E-07	6.03E-08	2.01E-08	8.04E-08
957	609065.48	4170766.39	4.90E-07	2.01E-07	6.92E-07	8.14E-08	3.52E-08	1.17E-07	6.01E-08	2.01E-08	8.02E-08
958	609061.95	4170757.52	4.88E-07	2.01E-07	6.89E-07	8.11E-08	3.50E-08	1.16E-07	5.98E-08	2.00E-08	7.99E-08
959	609058.42	4170748.64	4.86E-07	2.00E-07	6.86E-07	8.07E-08	3.49E-08	1.16E-07	5.96E-08	1.99E-08	7.95E-08
960	609054.89	4170739.77	4.83E-07	1.99E-07	6.82E-07	8.03E-08	3.47E-08	1.15E-07	5.93E-08	1.98E-08	7.91E-08
961	609051.36	4170730.9	4.81E-07	1.98E-07	6.79E-07	8.00E-08	3.45E-08	1.15E-07	5.90E-08	1.97E-08	7.88E-08
962	609306.61	4170986.51	5.03E-07	2.07E-07	7.09E-07	8.35E-08	3.61E-08	1.20E-07	6.16E-08	2.06E-08	8.22E-08
963	609316.45	4170986.55	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.32E-08	2.11E-08	8.44E-08
964	609326.3	4170986.6	5.30E-07	2.18E-07	7.48E-07	8.80E-08	3.80E-08	1.26E-07	6.50E-08	2.17E-08	8.67E-08
965	609336.14	4170986.64	5.46E-07	2.24E-07	7.70E-07	9.07E-08	3.92E-08	1.30E-07	6.69E-08	2.24E-08	8.93E-08
966	609345.98	4170986.69	5.63E-07	2.32E-07	7.95E-07	9.36E-08	4.04E-08	1.34E-07	6.91E-08	2.31E-08	9.21E-08
967	609355.83	4170986.73	5.82E-07	2.39E-07	8.21E-07	9.67E-08	4.18E-08	1.38E-07	7.14E-08	2.39E-08	9.52E-08
968	609365.67	4170986.78	6.02E-07	2.48E-07	8.50E-07	1.00E-07	4.32E-08	1.43E-07	7.39E-08	2.47E-08	9.85E-08
969	609375.51	4170986.82	6.24E-07	2.57E-07	8.81E-07	1.04E-07	4.48E-08	1.48E-07	7.65E-08	2.56E-08	1.02E-07
970	609385.36	4170986.86	6.48E-07	2.66E-07	9.14E-07	1.08E-07	4.65E-08	1.54E-07	7.94E-08	2.66E-08	1.06E-07
971	609395.2	4170986.91	6.73E-07	2.76E-07	9.49E-07	1.12E-07	4.83E-08	1.60E-07	8.25E-08	2.76E-08	1.10E-07
972	609405.04	4170986.95	6.99E-07	2.87E-07	9.86E-07	1.16E-07	5.02E-08	1.66E-07	8.57E-08	2.86E-08	1.14E-07
973	609414.89	4170987	7.27E-07	2.99E-07	1.03E-06	1.21E-07	5.21E-08	1.73E-07	8.91E-08	2.98E-08	1.19E-07
974	609424.73	4170987.04	7.55E-07	3.10E-07	1.07E-06	1.25E-07	5.42E-08	1.80E-07	9.26E-08	3.10E-08	1.24E-07
975	609434.57	4170987.09	7.85E-07	3.23E-07	1.11E-06	1.30E-07	5.63E-08	1.87E-07	9.63E-08	3.22E-08	1.28E-07
976	609444.42	4170987.13	8.16E-07	3.35E-07	1.15E-06	1.36E-07	5.86E-08	1.94E-07	1.00E-07	3.34E-08	1.33E-07
977	609454.26	4170987.18	8.47E-07	3.48E-07	1.20E-06	1.41E-07	6.08E-08	2.02E-07	1.04E-07	3.47E-08	1.39E-07
978	609464.1	4170987.22	8.79E-07	3.61E-07	1.24E-06	1.46E-07	6.31E-08	2.09E-07	1.08E-07	3.60E-08	1.44E-07
979	609473.95	4170987.27	9.11E-07	3.75E-07	1.29E-06	1.51E-07	6.54E-08	2.17E-07	1.12E-07	3.73E-08	1.49E-07
980	609483.79	4170987.31	9.43E-07	3.88E-07	1.33E-06	1.57E-07	6.77E-08	2.24E-07	1.16E-07	3.87E-08	1.54E-07
981	609493.63	4170987.36	9.75E-07	4.01E-07	1.38E-06	1.62E-07	7.00E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
982	609503.48	4170987.4	1.01E-06	4.14E-07	1.42E-06	1.67E-07	7.23E-08	2.40E-07	1.23E-07	4.13E-08	1.65E-07
983	609513.32	4170987.45	1.04E-06	4.27E-07	1.46E-06	1.72E-07	7.45E-08	2.47E-07	1.27E-07	4.25E-08	1.70E-07
984	609523.16	4170987.49	1.07E-06	4.39E-07	1.51E-06	1.77E-07	7.66E-08	2.54E-07	1.31E-07	4.38E-08	1.75E-07
985	609533.01	4170987.53	1.10E-06	4.51E-07	1.55E-06	1.82E-07	7.87E-08	2.61E-07	1.34E-07	4.49E-08	1.79E-07
986	609542.85	4170987.58	1.12E-06	4.62E-07	1.59E-06	1.87E-07	8.06E-08	2.67E-07	1.38E-07	4.60E-08	1.84E-07
987	609552.69	4170987.62	1.15E-06	4.72E-07	1.62E-06	1.91E-07	8.24E-08	2.73E-07	1.41E-07	4.71E-08	1.88E-07
988	609562.54	4170987.67	1.17E-06	4.82E-07	1.65E-06	1.95E-07	8.41E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
989	609572.38	4170987.71	1.19E-06	4.91E-07	1.68E-06	1.98E-07	8.57E-08	2.84E-07	1.46E-07	4.89E-08	1.95E-07
990	609582.22	4170987.76	1.21E-06	4.99E-07	1.71E-06	2.01E-07	8.70E-08	2.89E-07	1.49E-07	4.97E-08	1.98E-07
991	609297.85	4170992.82	4.77E-07	1.96E-07	6.73E-07	7.92E-08	3.42E-08	1.13E-07	5.85E-08	1.95E-08	7.80E-08
992	609289.13	4170989.13	4.76E-07	1.96E-07	6.71E-07	7.90E-08	3.41E-08	1.13E-07	5.83E-08	1.95E-08	7.78E-08
993	609280.42	4170985.44	4.75E-07	1.95E-07	6.70E-07	7.89E-08	3.41E-08	1.13E-07	5.82E-08	1.95E-08	7.77E-08
994	609271.7	4170981.75	4.74E-07	1.95E-07	6.69E-07	7.88E-08	3.40E-08	1.13E-07	5.82E-08	1.94E-08	7.76E-08
995	609262.98	4170978.06	4.74E-07	1.95E-07	6.69E-07	7.87E-08	3.40E-08	1.13E-07	5.81E-08	1.94E-08	7.76E-08
996	609254.27	4170974.37	4.74E-07	1.95E-07	6.68E-07	7.87E-08	3.40E-08	1.13E-07	5.81E-08	1.94E-08	7.75E-08
997	609210.68	4170955.92	4.69E-07	1.93E-07	6.62E-07	7.79E-08	3.37E-08	1.12E-07	5.75E-08	1.92E-08	7.67E-08
998	609201.97	4170952.23	4.67E-07	1.92E-07	6.59E-07	7.76E-08	3.35E-08	1.11E-07	5.73E-08	1.92E-08	7.64E-08
999	609193.25	4170948.54	4.65E-07	1.91E-07	6.56E-07	7.72E-08	3.33E-08	1.11E-07	5.70E-08	1.90E-08	7.60E-08
1000	609158.39	4170933.79	4.49E-07	1.85E-07	6.34E-07	7.46E-08	3.22E-08	1.07E-07	5.51E-08	1.84E-08	7.35E-08
1001	609149.67	4170930.1	4.44E-07	1.82E-07	6.26E-07	7.37E-08	3.19E-08	1.06E-07	5.44E-08	1.82E-08	7.26E-08
1002	609140.95	4170926.41	4.38E-07	1.80E-07	6.18E-07	7.28E-08	3.14E-08	1.04E-07	5.37E-08	1.80E-08	7.17E-08
1003	609132.24	4170922.72	4.32E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.07E-08
1004	609123.52	4170919.03	4.26E-07	1.75E-07	6.00E-07	7.07E-08	3.05E-08	1.01E-07	5.22E-08	1.74E-08	6.96E-08

1005	609111.3	4170906.54	4.24E-07	1.74E-07	5.99E-07	7.05E-08	3.05E-08	1.01E-07	5.20E-08	1.74E-08	6.94E-08
1006	609107.81	4170897.75	4.30E-07	1.77E-07	6.06E-07	7.14E-08	3.08E-08	1.02E-07	5.27E-08	1.76E-08	7.03E-08
1007	609104.31	4170888.95	4.35E-07	1.79E-07	6.14E-07	7.22E-08	3.12E-08	1.03E-07	5.33E-08	1.78E-08	7.11E-08
1008	609100.81	4170880.16	4.40E-07	1.81E-07	6.21E-07	7.31E-08	3.16E-08	1.05E-07	5.39E-08	1.80E-08	7.20E-08
1009	609086.81	4170844.98	4.58E-07	1.88E-07	6.46E-07	7.61E-08	3.29E-08	1.09E-07	5.61E-08	1.88E-08	7.49E-08
1010	609083.31	4170836.19	4.62E-07	1.90E-07	6.52E-07	7.67E-08	3.31E-08	1.10E-07	5.66E-08	1.89E-08	7.56E-08
1011	609079.82	4170827.39	4.66E-07	1.91E-07	6.57E-07	7.73E-08	3.34E-08	1.11E-07	5.71E-08	1.91E-08	7.62E-08
1012	609076.32	4170818.6	4.68E-07	1.92E-07	6.61E-07	7.78E-08	3.36E-08	1.11E-07	5.74E-08	1.92E-08	7.66E-08
1013	609072.82	4170809.8	4.70E-07	1.93E-07	6.63E-07	7.81E-08	3.37E-08	1.12E-07	5.76E-08	1.93E-08	7.69E-08
1014	609069.32	4170801.01	4.71E-07	1.94E-07	6.65E-07	7.83E-08	3.38E-08	1.12E-07	5.78E-08	1.93E-08	7.71E-08
1015	609058.82	4170774.62	4.71E-07	1.93E-07	6.64E-07	7.82E-08	3.38E-08	1.12E-07	5.77E-08	1.93E-08	7.70E-08
1016	609055.32	4170765.83	4.69E-07	1.93E-07	6.62E-07	7.79E-08	3.37E-08	1.12E-07	5.75E-08	1.92E-08	7.68E-08
1017	609051.83	4170757.03	4.67E-07	1.92E-07	6.59E-07	7.76E-08	3.35E-08	1.11E-07	5.73E-08	1.91E-08	7.64E-08
1018	609048.33	4170748.24	4.65E-07	1.91E-07	6.56E-07	7.72E-08	3.33E-08	1.11E-07	5.70E-08	1.90E-08	7.60E-08
1019	609044.83	4170739.44	4.63E-07	1.90E-07	6.53E-07	7.68E-08	3.32E-08	1.10E-07	5.67E-08	1.90E-08	7.57E-08
1020	609041.33	4170730.65	4.61E-07	1.89E-07	6.50E-07	7.65E-08	3.30E-08	1.10E-07	5.65E-08	1.89E-08	7.53E-08
1021	609306.56	4170996.51	4.78E-07	1.97E-07	6.75E-07	7.94E-08	3.43E-08	1.14E-07	5.86E-08	1.96E-08	7.82E-08
1022	609316.41	4170996.55	4.90E-07	2.01E-07	6.92E-07	8.14E-08	3.52E-08	1.17E-07	6.01E-08	2.01E-08	8.02E-08
1023	609326.25	4170996.6	5.03E-07	2.07E-07	7.10E-07	8.36E-08	3.61E-08	1.20E-07	6.17E-08	2.06E-08	8.23E-08
1024	609336.09	4170996.64	5.18E-07	2.13E-07	7.31E-07	8.60E-08	3.72E-08	1.23E-07	6.35E-08	2.12E-08	8.47E-08
1025	609345.94	4170996.69	5.34E-07	2.19E-07	7.53E-07	8.86E-08	3.83E-08	1.27E-07	6.54E-08	2.19E-08	8.73E-08
1026	609355.78	4170996.73	5.51E-07	2.26E-07	7.77E-07	9.15E-08	3.95E-08	1.31E-07	6.75E-08	2.26E-08	9.01E-08
1027	609365.62	4170996.78	5.69E-07	2.34E-07	8.03E-07	9.46E-08	4.09E-08	1.35E-07	6.98E-08	2.33E-08	9.32E-08
1028	609375.47	4170996.82	5.90E-07	2.42E-07	8.32E-07	9.79E-08	4.23E-08	1.40E-07	7.23E-08	2.42E-08	9.65E-08
1029	609385.31	4170996.86	6.11E-07	2.51E-07	8.62E-07	1.02E-07	4.39E-08	1.45E-07	7.49E-08	2.51E-08	1.00E-07
1030	609395.15	4170996.91	6.34E-07	2.61E-07	8.95E-07	1.05E-07	4.55E-08	1.51E-07	7.77E-08	2.60E-08	1.04E-07
1031	609405	4170996.95	6.58E-07	2.71E-07	9.29E-07	1.09E-07	4.72E-08	1.57E-07	8.07E-08	2.70E-08	1.08E-07
1032	609414.84	4170997	6.83E-07	2.81E-07	9.64E-07	1.14E-07	4.90E-08	1.63E-07	8.38E-08	2.80E-08	1.12E-07
1033	609424.68	4170997.04	7.10E-07	2.92E-07	1.00E-06	1.18E-07	5.09E-08	1.69E-07	8.70E-08	2.91E-08	1.16E-07
1034	609434.53	4170997.09	7.37E-07	3.03E-07	1.04E-06	1.22E-07	5.29E-08	1.75E-07	9.04E-08	3.02E-08	1.21E-07
1035	609444.37	4170997.13	7.65E-07	3.15E-07	1.08E-06	1.27E-07	5.49E-08	1.82E-07	9.39E-08	3.14E-08	1.25E-07
1036	609454.21	4170997.18	7.94E-07	3.26E-07	1.12E-06	1.32E-07	5.70E-08	1.89E-07	9.74E-08	3.26E-08	1.30E-07
1037	609464.06	4170997.22	8.24E-07	3.39E-07	1.16E-06	1.37E-07	5.91E-08	1.96E-07	1.01E-07	3.38E-08	1.35E-07
1038	609473.9	4170997.27	8.53E-07	3.51E-07	1.20E-06	1.42E-07	6.12E-08	2.03E-07	1.05E-07	3.50E-08	1.40E-07
1039	609483.74	4170997.31	8.83E-07	3.63E-07	1.25E-06	1.47E-07	6.34E-08	2.10E-07	1.08E-07	3.62E-08	1.44E-07
1040	609493.59	4170997.36	9.12E-07	3.75E-07	1.29E-06	1.52E-07	6.55E-08	2.17E-07	1.12E-07	3.74E-08	1.49E-07
1041	609503.43	4170997.4	9.42E-07	3.87E-07	1.33E-06	1.56E-07	6.76E-08	2.24E-07	1.15E-07	3.86E-08	1.54E-07
1042	609513.27	4170997.45	9.70E-07	3.99E-07	1.37E-06	1.61E-07	6.96E-08	2.31E-07	1.19E-07	3.98E-08	1.59E-07
1043	609523.12	4170997.49	9.98E-07	4.10E-07	1.41E-06	1.66E-07	7.16E-08	2.37E-07	1.22E-07	4.09E-08	1.63E-07
1044	609532.96	4170997.53	1.02E-06	4.21E-07	1.45E-06	1.70E-07	7.35E-08	2.44E-07	1.26E-07	4.20E-08	1.68E-07
1045	609542.8	4170997.58	1.05E-06	4.32E-07	1.48E-06	1.74E-07	7.54E-08	2.50E-07	1.29E-07	4.31E-08	1.72E-07
1046	609552.65	4170997.62	1.07E-06	4.41E-07	1.52E-06	1.78E-07	7.71E-08	2.56E-07	1.32E-07	4.40E-08	1.76E-07
1047	609562.49	4170997.67	1.10E-06	4.51E-07	1.55E-06	1.82E-07	7.87E-08	2.61E-07	1.34E-07	4.49E-08	1.79E-07
1048	609572.33	4170997.71	1.12E-06	4.59E-07	1.58E-06	1.85E-07	8.01E-08	2.66E-07	1.37E-07	4.58E-08	1.83E-07
1049	609582.18	4170997.76	1.13E-06	4.67E-07	1.60E-06	1.89E-07	8.14E-08	2.70E-07	1.39E-07	4.65E-08	1.86E-07
1050	609297.48	4171002.68	4.54E-07	1.87E-07	6.41E-07	7.55E-08	3.26E-08	1.08E-07	5.57E-08	1.86E-08	7.43E-08
1051	609288.44	4170998.85	4.53E-07	1.86E-07	6.40E-07	7.53E-08	3.25E-08	1.08E-07	5.56E-08	1.86E-08	7.42E-08
1052	609279.4	4170995.03	4.53E-07	1.86E-07	6.39E-07	7.52E-08	3.25E-08	1.08E-07	5.55E-08	1.86E-08	7.41E-08
1053	609270.36	4170991.2	4.52E-07	1.86E-07	6.38E-07	7.52E-08	3.25E-08	1.08E-07	5.55E-08	1.85E-08	7.40E-08
1054	609225.17	4170972.07	4.51E-07	1.85E-07	6.37E-07	7.49E-08	3.24E-08	1.07E-07	5.53E-08	1.85E-08	7.38E-08
1055	609216.13	4170968.25	4.50E-07	1.85E-07	6.35E-07	7.48E-08	3.23E-08	1.07E-07	5.52E-08	1.85E-08	7.36E-08
1056	609207.09	4170964.42	4.49E-07	1.85E-07	6.33E-07	7.46E-08	3.22E-08	1.07E-07	5.50E-08	1.84E-08	7.34E-08
1057	609198.05	4170960.59	4.47E-07	1.84E-07	6.31E-07	7.43E-08	3.21E-08	1.06E-07	5.48E-08	1.83E-08	7.32E-08
1058	609189.01	4170956.77	4.45E-07	1.83E-07	6.28E-07	7.39E-08	3.19E-08	1.06E-07	5.46E-08	1.82E-08	7.28E-08
1059	609179.97	4170952.94	4.42E-07	1.82E-07	6.24E-07	7.35E-08	3.17E-08	1.05E-07	5.42E-08	1.81E-08	7.24E-08
1060	609152.85	4170941.46	4.31E-07	1.77E-07	6.08E-07	7.16E-08	3.09E-08	1.02E-07	5.28E-08	1.77E-08	7.05E-08
1061	609143.81	4170937.64	4.26E-07	1.75E-07	6.01E-07	7.08E-08	3.06E-08	1.01E-07	5.22E-08	1.75E-08	6.97E-08
1062	609134.77	4170933.81	4.21E-07	1.73E-07	5.93E-07	6.99E-08	3.02E-08	1.00E-07	5.16E-08	1.72E-08	6.88E-08
1063	609125.73	4170929.98	4.15E-07	1.70E-07	5.85E-07	6.89E-08	2.98E-08	9.86E-08	5.08E-08	1.70E-08	6.78E-08
1064	609116.69	4170926.16	4.08E-07	1.68E-07	5.76E-07	6.79E-08	2.93E-08	9.72E-08	5.01E-08	1.67E-08	6.68E-08
1065	609104.03	4170913.21	4.07E-07	1.67E-07	5.75E-07	6.77E-08	2.92E-08	9.69E-08	4.99E-08	1.67E-08	6.66E-08
1066	609100.4	4170904.09	4.13E-07	1.70E-07	5.82E-07	6.85E-08	2.96E-08	9.81E-08	5.06E-08	1.69E-08	6.75E-08
1067	609096.77	4170894.97	4.17E-07	1.72E-07	5.89E-07	6.93E-08	3.00E-08	9.93E-08	5.12E-08	1.71E-08	6.83E-08

1068	609093.14	4170885.85	4.22E-07	1.74E-07	5.96E-07	7.01E-08	3.03E-08	1.00E-07	5.18E-08	1.73E-08	6.91E-08
1069	609078.63	4170849.37	4.39E-07	1.81E-07	6.20E-07	7.30E-08	3.15E-08	1.05E-07	5.39E-08	1.80E-08	7.19E-08
1070	609075	4170840.25	4.43E-07	1.82E-07	6.25E-07	7.36E-08	3.18E-08	1.05E-07	5.43E-08	1.82E-08	7.25E-08
1071	609071.37	4170831.13	4.47E-07	1.84E-07	6.30E-07	7.42E-08	3.20E-08	1.06E-07	5.48E-08	1.83E-08	7.31E-08
1072	609067.74	4170822.01	4.49E-07	1.85E-07	6.34E-07	7.46E-08	3.22E-08	1.07E-07	5.51E-08	1.84E-08	7.35E-08
1073	609064.12	4170812.89	4.51E-07	1.85E-07	6.37E-07	7.49E-08	3.24E-08	1.07E-07	5.53E-08	1.85E-08	7.38E-08
1074	609060.49	4170803.77	4.52E-07	1.86E-07	6.38E-07	7.51E-08	3.25E-08	1.08E-07	5.54E-08	1.85E-08	7.40E-08
1075	609045.97	4170767.28	4.50E-07	1.85E-07	6.35E-07	7.47E-08	3.23E-08	1.07E-07	5.51E-08	1.84E-08	7.36E-08
1076	609042.35	4170758.16	4.48E-07	1.84E-07	6.31E-07	7.43E-08	3.21E-08	1.06E-07	5.49E-08	1.83E-08	7.32E-08
1077	609038.72	4170749.04	4.45E-07	1.83E-07	6.28E-07	7.40E-08	3.20E-08	1.06E-07	5.46E-08	1.83E-08	7.28E-08
1078	609035.09	4170739.92	4.43E-07	1.82E-07	6.25E-07	7.36E-08	3.18E-08	1.05E-07	5.43E-08	1.82E-08	7.25E-08
1079	609031.46	4170730.8	4.41E-07	1.81E-07	6.23E-07	7.33E-08	3.17E-08	1.05E-07	5.41E-08	1.81E-08	7.22E-08
1080	609306.52	4171006.51	4.56E-07	1.87E-07	6.43E-07	7.57E-08	3.27E-08	1.08E-07	5.59E-08	1.87E-08	7.45E-08
1081	609316.36	4171006.55	4.67E-07	1.92E-07	6.58E-07	7.75E-08	3.35E-08	1.11E-07	5.72E-08	1.91E-08	7.63E-08
1082	609326.21	4171006.6	4.79E-07	1.97E-07	6.75E-07	7.95E-08	3.43E-08	1.14E-07	5.87E-08	1.96E-08	7.83E-08
1083	609336.05	4171006.64	4.92E-07	2.02E-07	6.94E-07	8.17E-08	3.53E-08	1.17E-07	6.03E-08	2.02E-08	8.05E-08
1084	609345.89	4171006.69	5.06E-07	2.08E-07	7.14E-07	8.41E-08	3.63E-08	1.20E-07	6.21E-08	2.08E-08	8.28E-08
1085	609355.74	4171006.73	5.22E-07	2.15E-07	7.37E-07	8.67E-08	3.75E-08	1.24E-07	6.40E-08	2.14E-08	8.54E-08
1086	609365.58	4171006.78	5.39E-07	2.22E-07	7.61E-07	8.96E-08	3.87E-08	1.28E-07	6.61E-08	2.21E-08	8.82E-08
1087	609375.42	4171006.82	5.58E-07	2.29E-07	7.87E-07	9.27E-08	4.00E-08	1.33E-07	6.84E-08	2.29E-08	9.13E-08
1088	609385.27	4171006.86	5.78E-07	2.38E-07	8.15E-07	9.60E-08	4.15E-08	1.37E-07	7.09E-08	2.37E-08	9.45E-08
1089	609395.11	4171006.91	5.99E-07	2.46E-07	8.45E-07	9.95E-08	4.30E-08	1.42E-07	7.34E-08	2.45E-08	9.80E-08
1090	609404.95	4171006.95	6.21E-07	2.55E-07	8.76E-07	1.03E-07	4.46E-08	1.48E-07	7.61E-08	2.55E-08	1.02E-07
1091	609414.8	4171007	6.44E-07	2.65E-07	9.09E-07	1.07E-07	4.62E-08	1.53E-07	7.90E-08	2.64E-08	1.05E-07
1092	609424.64	4171007.04	6.69E-07	2.75E-07	9.43E-07	1.11E-07	4.80E-08	1.59E-07	8.20E-08	2.74E-08	1.09E-07
1093	609434.48	4171007.09	6.94E-07	2.85E-07	9.79E-07	1.15E-07	4.98E-08	1.65E-07	8.51E-08	2.84E-08	1.14E-07
1094	609444.33	4171007.13	7.20E-07	2.96E-07	1.02E-06	1.20E-07	5.17E-08	1.71E-07	8.83E-08	2.95E-08	1.18E-07
1095	609454.17	4171007.18	7.46E-07	3.07E-07	1.05E-06	1.24E-07	5.36E-08	1.78E-07	9.15E-08	3.06E-08	1.22E-07
1096	609464.01	4171007.22	7.73E-07	3.18E-07	1.09E-06	1.28E-07	5.55E-08	1.84E-07	9.48E-08	3.17E-08	1.27E-07
1097	609473.86	4171007.27	8.01E-07	3.29E-07	1.13E-06	1.33E-07	5.75E-08	1.90E-07	9.82E-08	3.28E-08	1.31E-07
1098	609483.7	4171007.31	8.28E-07	3.40E-07	1.17E-06	1.38E-07	5.94E-08	1.97E-07	1.02E-07	3.39E-08	1.35E-07
1099	609493.54	4171007.36	8.55E-07	3.52E-07	1.21E-06	1.42E-07	6.14E-08	2.03E-07	1.05E-07	3.51E-08	1.40E-07
1100	609503.39	4171007.4	8.82E-07	3.63E-07	1.24E-06	1.47E-07	6.33E-08	2.10E-07	1.08E-07	3.62E-08	1.44E-07
1101	609513.23	4171007.45	9.09E-07	3.74E-07	1.28E-06	1.51E-07	6.52E-08	2.16E-07	1.11E-07	3.73E-08	1.49E-07
1102	609523.07	4171007.49	9.35E-07	3.84E-07	1.32E-06	1.55E-07	6.71E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
1103	609532.92	4171007.53	9.60E-07	3.95E-07	1.35E-06	1.60E-07	6.89E-08	2.28E-07	1.18E-07	3.94E-08	1.57E-07
1104	609542.76	4171007.58	9.84E-07	4.04E-07	1.39E-06	1.63E-07	7.06E-08	2.34E-07	1.21E-07	4.03E-08	1.61E-07
1105	609552.6	4171007.62	1.01E-06	4.14E-07	1.42E-06	1.67E-07	7.22E-08	2.39E-07	1.23E-07	4.13E-08	1.65E-07
1106	609562.45	4171007.67	1.03E-06	4.22E-07	1.45E-06	1.71E-07	7.37E-08	2.44E-07	1.26E-07	4.21E-08	1.68E-07
1107	609572.29	4171007.71	1.05E-06	4.30E-07	1.48E-06	1.74E-07	7.51E-08	2.49E-07	1.28E-07	4.29E-08	1.71E-07
1108	609582.13	4171007.76	1.06E-06	4.37E-07	1.50E-06	1.77E-07	7.64E-08	2.53E-07	1.30E-07	4.36E-08	1.74E-07
1109	609297.52	4171012.72	4.33E-07	1.78E-07	6.12E-07	7.20E-08	3.11E-08	1.03E-07	5.31E-08	1.78E-08	7.09E-08
1110	609288.56	4171008.93	4.33E-07	1.78E-07	6.10E-07	7.19E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.08E-08
1111	609279.61	4171005.14	4.32E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.07E-08
1112	609234.83	4170986.18	4.32E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.07E-08
1113	609225.88	4170982.39	4.32E-07	1.77E-07	6.09E-07	7.17E-08	3.10E-08	1.03E-07	5.29E-08	1.77E-08	7.06E-08
1114	609216.92	4170978.6	4.31E-07	1.77E-07	6.09E-07	7.16E-08	3.09E-08	1.03E-07	5.29E-08	1.77E-08	7.06E-08
1115	609207.97	4170974.81	4.30E-07	1.77E-07	6.07E-07	7.15E-08	3.09E-08	1.02E-07	5.28E-08	1.76E-08	7.04E-08
1116	609199.01	4170971.02	4.29E-07	1.76E-07	6.06E-07	7.13E-08	3.08E-08	1.02E-07	5.26E-08	1.76E-08	7.02E-08
1117	609190.06	4170967.23	4.28E-07	1.76E-07	6.04E-07	7.11E-08	3.07E-08	1.02E-07	5.25E-08	1.75E-08	7.00E-08
1118	609181.1	4170963.44	4.26E-07	1.75E-07	6.01E-07	7.08E-08	3.06E-08	1.01E-07	5.22E-08	1.75E-08	6.97E-08
1119	609172.15	4170959.65	4.23E-07	1.74E-07	5.98E-07	7.03E-08	3.04E-08	1.01E-07	5.19E-08	1.74E-08	6.93E-08
1120	609145.28	4170948.28	4.13E-07	1.70E-07	5.83E-07	6.86E-08	2.96E-08	9.82E-08	5.06E-08	1.69E-08	6.76E-08
1121	609136.33	4170944.49	4.09E-07	1.68E-07	5.76E-07	6.79E-08	2.93E-08	9.72E-08	5.01E-08	1.67E-08	6.68E-08
1122	609127.37	4170940.7	4.04E-07	1.66E-07	5.69E-07	6.70E-08	2.90E-08	9.60E-08	4.95E-08	1.65E-08	6.60E-08
1123	609118.42	4170936.91	3.98E-07	1.64E-07	5.62E-07	6.61E-08	2.86E-08	9.47E-08	4.88E-08	1.63E-08	6.51E-08
1124	609109.46	4170933.12	3.92E-07	1.61E-07	5.54E-07	6.52E-08	2.82E-08	9.33E-08	4.81E-08	1.61E-08	6.42E-08
1125	609096.91	4170920.29	3.91E-07	1.61E-07	5.52E-07	6.50E-08	2.81E-08	9.31E-08	4.80E-08	1.60E-08	6.40E-08
1126	609093.32	4170911.25	3.96E-07	1.63E-07	5.59E-07	6.58E-08	2.84E-08	9.42E-08	4.86E-08	1.62E-08	6.48E-08
1127	609089.72	4170902.22	4.01E-07	1.65E-07	5.65E-07	6.65E-08	2.87E-08	9.53E-08	4.91E-08	1.64E-08	6.55E-08
1128	609086.13	4170893.18	4.05E-07	1.66E-07	5.71E-07	6.73E-08	2.91E-08	9.63E-08	4.96E-08	1.66E-08	6.62E-08
1129	609082.53	4170884.15	4.09E-07	1.68E-07	5.77E-07	6.79E-08	2.94E-08	9.73E-08	5.02E-08	1.68E-08	6.69E-08
1130	609071.75	4170857.04	4.21E-07	1.73E-07	5.94E-07	6.99E-08	3.02E-08	1.00E-07	5.16E-08	1.72E-08	6.88E-08

1131	609068.16	4170848.01	4.24E-07	1.74E-07	5.99E-07	7.05E-08	3.05E-08	1.01E-07	5.20E-08	1.74E-08	6.94E-08
1132	609064.56	4170838.97	4.28E-07	1.76E-07	6.03E-07	7.10E-08	3.07E-08	1.02E-07	5.24E-08	1.75E-08	7.00E-08
1133	609060.97	4170829.93	4.30E-07	1.77E-07	6.07E-07	7.15E-08	3.09E-08	1.02E-07	5.28E-08	1.76E-08	7.04E-08
1134	609057.37	4170820.9	4.33E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.08E-08
1135	609053.78	4170811.86	4.34E-07	1.78E-07	6.12E-07	7.21E-08	3.11E-08	1.03E-07	5.32E-08	1.78E-08	7.10E-08
1136	609050.18	4170802.83	4.35E-07	1.79E-07	6.13E-07	7.22E-08	3.12E-08	1.03E-07	5.33E-08	1.78E-08	7.11E-08
1137	609046.59	4170793.79	4.35E-07	1.79E-07	6.13E-07	7.22E-08	3.12E-08	1.03E-07	5.33E-08	1.78E-08	7.11E-08
1138	609035.81	4170766.69	4.31E-07	1.77E-07	6.08E-07	7.16E-08	3.09E-08	1.03E-07	5.28E-08	1.77E-08	7.05E-08
1139	609032.21	4170757.65	4.29E-07	1.76E-07	6.05E-07	7.12E-08	3.08E-08	1.02E-07	5.26E-08	1.76E-08	7.02E-08
1140	609028.62	4170748.62	4.27E-07	1.75E-07	6.02E-07	7.09E-08	3.06E-08	1.02E-07	5.23E-08	1.75E-08	6.98E-08
1141	609025.02	4170739.58	4.25E-07	1.75E-07	5.99E-07	7.06E-08	3.05E-08	1.01E-07	5.21E-08	1.74E-08	6.95E-08
1142	609021.43	4170730.54	4.23E-07	1.74E-07	5.97E-07	7.03E-08	3.04E-08	1.01E-07	5.19E-08	1.73E-08	6.92E-08
1143	609306.47	4171016.51	4.34E-07	1.79E-07	6.13E-07	7.22E-08	3.12E-08	1.03E-07	5.33E-08	1.78E-08	7.11E-08
1144	609316.32	4171016.55	4.45E-07	1.83E-07	6.28E-07	7.39E-08	3.19E-08	1.06E-07	5.45E-08	1.82E-08	7.28E-08
1145	609326.16	4171016.6	4.56E-07	1.87E-07	6.43E-07	7.57E-08	3.27E-08	1.08E-07	5.59E-08	1.87E-08	7.46E-08
1146	609336	4171016.64	4.68E-07	1.92E-07	6.60E-07	7.78E-08	3.36E-08	1.11E-07	5.74E-08	1.92E-08	7.66E-08
1147	609345.85	4171016.69	4.81E-07	1.98E-07	6.79E-07	8.00E-08	3.45E-08	1.15E-07	5.90E-08	1.97E-08	7.88E-08
1148	609355.69	4171016.73	4.96E-07	2.04E-07	7.00E-07	8.24E-08	3.56E-08	1.18E-07	6.08E-08	2.03E-08	8.11E-08
1149	609244.28	4171000.2	4.13E-07	1.70E-07	5.83E-07	6.86E-08	2.96E-08	9.83E-08	5.07E-08	1.69E-08	6.76E-08
1150	609235.41	4170996.44	4.13E-07	1.70E-07	5.83E-07	6.87E-08	2.97E-08	9.83E-08	5.07E-08	1.69E-08	6.76E-08
1151	609226.53	4170992.69	4.13E-07	1.70E-07	5.83E-07	6.87E-08	2.97E-08	9.84E-08	5.07E-08	1.69E-08	6.76E-08
1152	609217.65	4170988.93	4.13E-07	1.70E-07	5.83E-07	6.87E-08	2.97E-08	9.83E-08	5.07E-08	1.69E-08	6.76E-08
1153	609208.77	4170985.17	4.13E-07	1.70E-07	5.83E-07	6.86E-08	2.96E-08	9.83E-08	5.06E-08	1.69E-08	6.76E-08
1154	609199.89	4170981.41	4.12E-07	1.70E-07	5.82E-07	6.85E-08	2.96E-08	9.81E-08	5.06E-08	1.69E-08	6.75E-08
1155	609191.02	4170977.66	4.12E-07	1.69E-07	5.81E-07	6.84E-08	2.95E-08	9.79E-08	5.05E-08	1.69E-08	6.73E-08
1156	609182.14	4170973.9	4.10E-07	1.69E-07	5.79E-07	6.81E-08	2.94E-08	9.76E-08	5.03E-08	1.68E-08	6.71E-08
1157	609173.26	4170970.14	4.08E-07	1.68E-07	5.76E-07	6.78E-08	2.93E-08	9.72E-08	5.01E-08	1.67E-08	6.68E-08
1158	609164.38	4170966.38	4.06E-07	1.67E-07	5.73E-07	6.75E-08	2.91E-08	9.66E-08	4.98E-08	1.67E-08	6.65E-08
1159	609137.75	4170955.11	3.96E-07	1.63E-07	5.59E-07	6.59E-08	2.85E-08	9.43E-08	4.86E-08	1.63E-08	6.49E-08
1160	609128.87	4170951.35	3.92E-07	1.61E-07	5.53E-07	6.52E-08	2.81E-08	9.33E-08	4.81E-08	1.61E-08	6.42E-08
1161	609119.99	4170947.59	3.88E-07	1.59E-07	5.47E-07	6.44E-08	2.78E-08	9.22E-08	4.75E-08	1.59E-08	6.34E-08
1162	609111.12	4170943.83	3.83E-07	1.57E-07	5.40E-07	6.36E-08	2.75E-08	9.10E-08	4.69E-08	1.57E-08	6.26E-08
1163	609102.24	4170940.08	3.77E-07	1.55E-07	5.32E-07	6.27E-08	2.71E-08	8.97E-08	4.63E-08	1.55E-08	6.17E-08
1164	609089.8	4170927.36	3.76E-07	1.55E-07	5.31E-07	6.25E-08	2.70E-08	8.95E-08	4.61E-08	1.54E-08	6.15E-08
1165	609086.23	4170918.4	3.81E-07	1.56E-07	5.37E-07	6.32E-08	2.73E-08	9.05E-08	4.67E-08	1.56E-08	6.23E-08
1166	609082.67	4170909.45	3.85E-07	1.58E-07	5.43E-07	6.39E-08	2.76E-08	9.15E-08	4.72E-08	1.58E-08	6.30E-08
1167	609079.11	4170900.49	3.89E-07	1.60E-07	5.49E-07	6.46E-08	2.79E-08	9.25E-08	4.77E-08	1.59E-08	6.36E-08
1168	609075.54	4170891.53	3.93E-07	1.61E-07	5.54E-07	6.52E-08	2.82E-08	9.34E-08	4.81E-08	1.61E-08	6.42E-08
1169	609064.85	4170864.66	4.04E-07	1.66E-07	5.69E-07	6.70E-08	2.90E-08	9.60E-08	4.95E-08	1.65E-08	6.60E-08
1170	609061.29	4170855.7	4.07E-07	1.67E-07	5.74E-07	6.76E-08	2.92E-08	9.68E-08	4.99E-08	1.67E-08	6.66E-08
1171	609057.72	4170846.74	4.10E-07	1.69E-07	5.79E-07	6.81E-08	2.94E-08	9.75E-08	5.03E-08	1.68E-08	6.71E-08
1172	609054.16	4170837.79	4.13E-07	1.70E-07	5.82E-07	6.86E-08	2.96E-08	9.82E-08	5.06E-08	1.69E-08	6.75E-08
1173	609050.6	4170828.83	4.15E-07	1.71E-07	5.86E-07	6.90E-08	2.98E-08	9.87E-08	5.09E-08	1.70E-08	6.79E-08
1174	609047.03	4170819.87	4.17E-07	1.71E-07	5.88E-07	6.92E-08	2.99E-08	9.92E-08	5.11E-08	1.71E-08	6.82E-08
1175	609043.47	4170810.91	4.18E-07	1.72E-07	5.90E-07	6.94E-08	3.00E-08	9.94E-08	5.12E-08	1.71E-08	6.84E-08
1176	609039.91	4170801.95	4.18E-07	1.72E-07	5.90E-07	6.95E-08	3.00E-08	9.95E-08	5.13E-08	1.71E-08	6.84E-08
1177	609036.34	4170793	4.18E-07	1.72E-07	5.90E-07	6.94E-08	3.00E-08	9.94E-08	5.12E-08	1.71E-08	6.84E-08
1178	609022.09	4170757.17	4.12E-07	1.69E-07	5.81E-07	6.84E-08	2.95E-08	9.79E-08	5.05E-08	1.69E-08	6.73E-08
1179	609018.53	4170748.21	4.10E-07	1.68E-07	5.78E-07	6.80E-08	2.94E-08	9.74E-08	5.02E-08	1.68E-08	6.70E-08
1180	609014.96	4170739.25	4.08E-07	1.68E-07	5.75E-07	6.77E-08	2.93E-08	9.70E-08	5.00E-08	1.67E-08	6.67E-08
1181	609011.4	4170730.29	4.06E-07	1.67E-07	5.73E-07	6.75E-08	2.91E-08	9.66E-08	4.98E-08	1.66E-08	6.64E-08
1182	609253.54	4171014.14	3.95E-07	1.62E-07	5.58E-07	6.56E-08	2.84E-08	9.40E-08	4.84E-08	1.62E-08	6.46E-08
1183	609244.74	4171010.41	3.95E-07	1.63E-07	5.58E-07	6.57E-08	2.84E-08	9.41E-08	4.85E-08	1.62E-08	6.47E-08
1184	609235.93	4171006.68	3.96E-07	1.63E-07	5.58E-07	6.57E-08	2.84E-08	9.41E-08	4.85E-08	1.62E-08	6.47E-08
1185	609227.12	4171002.96	3.96E-07	1.63E-07	5.59E-07	6.58E-08	2.84E-08	9.42E-08	4.86E-08	1.62E-08	6.48E-08
1186	609218.31	4170999.23	3.96E-07	1.63E-07	5.59E-07	6.59E-08	2.84E-08	9.43E-08	4.86E-08	1.63E-08	6.49E-08
1187	609209.51	4170995.5	3.96E-07	1.63E-07	5.59E-07	6.59E-08	2.85E-08	9.43E-08	4.86E-08	1.63E-08	6.49E-08
1188	609200.7	4170991.77	3.96E-07	1.63E-07	5.59E-07	6.58E-08	2.84E-08	9.43E-08	4.86E-08	1.62E-08	6.48E-08
1189	609191.89	4170988.05	3.96E-07	1.63E-07	5.58E-07	6.57E-08	2.84E-08	9.42E-08	4.85E-08	1.62E-08	6.48E-08
1190	609183.09	4170984.32	3.95E-07	1.62E-07	5.57E-07	6.56E-08	2.83E-08	9.40E-08	4.84E-08	1.62E-08	6.46E-08
1191	609174.28	4170980.59	3.94E-07	1.62E-07	5.56E-07	6.54E-08	2.83E-08	9.37E-08	4.83E-08	1.61E-08	6.44E-08
1192	609165.47	4170976.86	3.92E-07	1.61E-07	5.53E-07	6.51E-08	2.81E-08	9.33E-08	4.81E-08	1.61E-08	6.42E-08
1193	609156.67	4170973.13	3.90E-07	1.60E-07	5.50E-07	6.48E-08	2.80E-08	9.28E-08	4.78E-08	1.60E-08	6.38E-08

1194	609130.25	4170961.95	3.81E-07	1.57E-07	5.38E-07	6.33E-08	2.73E-08	9.06E-08	4.67E-08	1.56E-08	6.23E-08
1195	609121.44	4170958.22	3.77E-07	1.55E-07	5.32E-07	6.26E-08	2.71E-08	8.97E-08	4.62E-08	1.55E-08	6.17E-08
1196	609112.63	4170954.5	3.73E-07	1.53E-07	5.26E-07	6.19E-08	2.68E-08	8.87E-08	4.57E-08	1.53E-08	6.10E-08
1197	609103.83	4170950.77	3.68E-07	1.51E-07	5.19E-07	6.11E-08	2.64E-08	8.76E-08	4.51E-08	1.51E-08	6.02E-08
1198	609095.02	4170947.04	3.63E-07	1.49E-07	5.12E-07	6.03E-08	2.61E-08	8.64E-08	4.45E-08	1.49E-08	5.94E-08
1199	609082.68	4170934.43	3.62E-07	1.49E-07	5.11E-07	6.02E-08	2.60E-08	8.61E-08	4.44E-08	1.48E-08	5.92E-08
1200	609079.14	4170925.54	3.66E-07	1.51E-07	5.17E-07	6.08E-08	2.63E-08	8.71E-08	4.49E-08	1.50E-08	5.99E-08
1201	609075.61	4170916.65	3.70E-07	1.52E-07	5.22E-07	6.15E-08	2.66E-08	8.80E-08	4.54E-08	1.52E-08	6.05E-08
1202	609072.07	4170907.77	3.74E-07	1.54E-07	5.27E-07	6.21E-08	2.68E-08	8.89E-08	4.58E-08	1.53E-08	6.12E-08
1203	609068.54	4170898.88	3.77E-07	1.55E-07	5.33E-07	6.27E-08	2.71E-08	8.98E-08	4.63E-08	1.55E-08	6.17E-08
1204	609057.93	4170872.22	3.88E-07	1.59E-07	5.47E-07	6.44E-08	2.78E-08	9.22E-08	4.75E-08	1.59E-08	6.34E-08
1205	609054.4	4170863.34	3.91E-07	1.61E-07	5.51E-07	6.49E-08	2.80E-08	9.29E-08	4.79E-08	1.60E-08	6.39E-08
1206	609050.86	4170854.45	3.94E-07	1.62E-07	5.55E-07	6.54E-08	2.83E-08	9.36E-08	4.83E-08	1.61E-08	6.44E-08
1207	609047.33	4170845.57	3.96E-07	1.63E-07	5.59E-07	6.59E-08	2.84E-08	9.43E-08	4.86E-08	1.63E-08	6.49E-08
1208	609043.79	4170836.68	3.99E-07	1.64E-07	5.63E-07	6.62E-08	2.86E-08	9.49E-08	4.89E-08	1.63E-08	6.52E-08
1209	609040.26	4170827.8	4.01E-07	1.65E-07	5.65E-07	6.66E-08	2.88E-08	9.53E-08	4.91E-08	1.64E-08	6.56E-08
1210	609036.72	4170818.91	4.02E-07	1.65E-07	5.67E-07	6.68E-08	2.89E-08	9.56E-08	4.93E-08	1.65E-08	6.58E-08
1211	609033.19	4170810.02	4.03E-07	1.66E-07	5.68E-07	6.69E-08	2.89E-08	9.58E-08	4.94E-08	1.65E-08	6.59E-08
1212	609029.65	4170801.14	4.03E-07	1.66E-07	5.68E-07	6.69E-08	2.89E-08	9.58E-08	4.94E-08	1.65E-08	6.59E-08
1213	609026.12	4170792.25	4.02E-07	1.65E-07	5.68E-07	6.68E-08	2.89E-08	9.57E-08	4.93E-08	1.65E-08	6.58E-08
1214	609022.58	4170783.37	4.01E-07	1.65E-07	5.66E-07	6.66E-08	2.88E-08	9.54E-08	4.92E-08	1.64E-08	6.56E-08
1215	609011.98	4170756.71	3.95E-07	1.63E-07	5.58E-07	6.57E-08	2.84E-08	9.41E-08	4.85E-08	1.62E-08	6.47E-08
1216	609008.44	4170747.82	3.94E-07	1.62E-07	5.55E-07	6.54E-08	2.82E-08	9.36E-08	4.83E-08	1.61E-08	6.44E-08
1217	609630.09	4170735.29	1.78E-05	7.33E-06	2.52E-05	2.96E-06	1.28E-06	4.24E-06	2.19E-06	7.31E-07	2.92E-06
1218	609633.23	4170718.86	2.15E-05	8.84E-06	3.03E-05	3.57E-06	1.54E-06	5.11E-06	2.64E-06	8.81E-07	3.52E-06
1219	609633.37	4170709.42	2.38E-05	9.77E-06	3.35E-05	3.95E-06	1.71E-06	5.65E-06	2.91E-06	9.74E-07	3.89E-06
1220	609633.51	4170699.98	2.55E-05	1.05E-05	3.60E-05	4.24E-06	1.83E-06	6.07E-06	3.13E-06	1.05E-06	4.17E-06
1221	609633.65	4170690.54	2.66E-05	1.09E-05	3.75E-05	4.42E-06	1.91E-06	6.33E-06	3.26E-06	1.09E-06	4.35E-06
1222	609633.8	4170681.1	2.70E-05	1.11E-05	3.81E-05	4.49E-06	1.94E-06	6.42E-06	3.31E-06	1.11E-06	4.42E-06
1223	609633.94	4170671.66	2.68E-05	1.10E-05	3.78E-05	4.45E-06	1.92E-06	6.37E-06	3.28E-06	1.10E-06	4.38E-06
1224	609634.08	4170662.22	2.59E-05	1.07E-05	3.66E-05	4.31E-06	1.86E-06	6.17E-06	3.18E-06	1.06E-06	4.24E-06
1225	609634.22	4170652.78	2.45E-05	1.01E-05	3.46E-05	4.07E-06	1.76E-06	5.83E-06	3.01E-06	1.00E-06	4.01E-06
1226	609634.36	4170643.34	2.25E-05	9.26E-06	3.18E-05	3.74E-06	1.62E-06	5.36E-06	2.76E-06	9.24E-07	3.69E-06
1227	609634.5	4170633.9	2.01E-05	8.27E-06	2.84E-05	3.34E-06	1.44E-06	4.78E-06	2.47E-06	8.24E-07	3.29E-06
1228	609634.65	4170624.46	1.74E-05	7.15E-06	2.46E-05	2.89E-06	1.25E-06	4.14E-06	2.13E-06	7.13E-07	2.85E-06
1229	609640.09	4170735.44	1.53E-05	6.30E-06	2.16E-05	2.55E-06	1.10E-06	3.65E-06	1.88E-06	6.29E-07	2.51E-06
1230	609634.09	4170749.42	1.35E-05	5.54E-06	1.90E-05	2.24E-06	9.67E-07	3.21E-06	1.65E-06	5.52E-07	2.20E-06
1231	609643.23	4170719.01	1.78E-05	7.32E-06	2.51E-05	2.96E-06	1.28E-06	4.24E-06	2.18E-06	7.30E-07	2.91E-06
1232	609643.37	4170709.57	1.94E-05	7.97E-06	2.74E-05	3.22E-06	1.39E-06	4.61E-06	2.38E-06	7.95E-07	3.17E-06
1233	609643.51	4170700.13	2.06E-05	8.48E-06	2.91E-05	3.43E-06	1.48E-06	4.91E-06	2.53E-06	8.46E-07	3.38E-06
1234	609643.65	4170690.69	2.14E-05	8.82E-06	3.03E-05	3.56E-06	1.54E-06	5.10E-06	2.63E-06	8.79E-07	3.51E-06
1235	609643.79	4170681.25	2.18E-05	8.95E-06	3.07E-05	3.62E-06	1.56E-06	5.18E-06	2.67E-06	8.93E-07	3.56E-06
1236	609643.94	4170671.81	2.16E-05	8.89E-06	3.05E-05	3.59E-06	1.55E-06	5.14E-06	2.65E-06	8.86E-07	3.54E-06
1237	609644.08	4170662.37	2.10E-05	8.64E-06	2.96E-05	3.49E-06	1.51E-06	5.00E-06	2.58E-06	8.61E-07	3.44E-06
1238	609644.22	4170652.93	2.00E-05	8.21E-06	2.82E-05	3.32E-06	1.43E-06	4.75E-06	2.45E-06	8.19E-07	3.27E-06
1239	609644.36	4170643.49	1.85E-05	7.62E-06	2.62E-05	3.08E-06	1.33E-06	4.41E-06	2.27E-06	7.60E-07	3.03E-06
1240	609644.5	4170634.05	1.68E-05	6.90E-06	2.37E-05	2.79E-06	1.21E-06	4.00E-06	2.06E-06	6.89E-07	2.75E-06
1241	609644.65	4170624.61	1.49E-05	6.11E-06	2.10E-05	2.47E-06	1.07E-06	3.53E-06	1.82E-06	6.09E-07	2.43E-06
1242	609650.09	4170735.59	1.33E-05	5.47E-06	1.88E-05	2.21E-06	9.55E-07	3.17E-06	1.63E-06	5.45E-07	2.18E-06
1243	609644.09	4170749.57	1.20E-05	4.94E-06	1.70E-05	2.00E-06	8.62E-07	2.86E-06	1.47E-06	4.93E-07	1.97E-06
1244	609631.05	4170766.41	1.07E-05	4.38E-06	1.50E-05	1.77E-06	7.65E-07	2.54E-06	1.31E-06	4.37E-07	1.74E-06
1245	609653.23	4170719.16	1.51E-05	6.19E-06	2.13E-05	2.50E-06	1.08E-06	3.58E-06	1.85E-06	6.17E-07	2.46E-06
1246	609653.37	4170709.72	1.62E-05	6.66E-06	2.29E-05	2.69E-06	1.16E-06	3.86E-06	1.99E-06	6.64E-07	2.65E-06
1247	609653.51	4170700.28	1.71E-05	7.04E-06	2.42E-05	2.84E-06	1.23E-06	4.07E-06	2.10E-06	7.02E-07	2.80E-06
1248	609653.65	4170690.84	1.77E-05	7.28E-06	2.50E-05	2.94E-06	1.27E-06	4.22E-06	2.17E-06	7.26E-07	2.90E-06
1249	609653.79	4170681.4	1.80E-05	7.39E-06	2.54E-05	2.99E-06	1.29E-06	4.28E-06	2.20E-06	7.37E-07	2.94E-06
1250	609653.94	4170671.96	1.79E-05	7.35E-06	2.52E-05	2.97E-06	1.28E-06	4.25E-06	2.19E-06	7.33E-07	2.93E-06
1251	609654.08	4170662.52	1.74E-05	7.17E-06	2.46E-05	2.90E-06	1.25E-06	4.15E-06	2.14E-06	7.15E-07	2.85E-06
1252	609654.22	4170653.08	1.67E-05	6.86E-06	2.35E-05	2.77E-06	1.20E-06	3.97E-06	2.04E-06	6.84E-07	2.73E-06
1253	609654.36	4170643.64	1.56E-05	6.42E-06	2.20E-05	2.60E-06	1.12E-06	3.72E-06	1.92E-06	6.40E-07	2.56E-06
1254	609654.5	4170634.2	1.43E-05	5.89E-06	2.02E-05	2.38E-06	1.03E-06	3.41E-06	1.76E-06	5.88E-07	2.34E-06
1255	609654.64	4170624.76	1.29E-05	5.30E-06	1.82E-05	2.14E-06	9.25E-07	3.07E-06	1.58E-06	5.28E-07	2.11E-06
1256	609659.49	4170737.14	1.16E-05	4.76E-06	1.63E-05	1.92E-06	8.30E-07	2.75E-06	1.42E-06	4.74E-07	1.89E-06

1257	609655.89	4170745.53	1.10E-05	4.54E-06	1.56E-05	1.83E-06	7.92E-07	2.63E-06	1.35E-06	4.53E-07	1.81E-06
1258	609652.29	4170753.91	1.04E-05	4.28E-06	1.47E-05	1.73E-06	7.47E-07	2.48E-06	1.28E-06	4.27E-07	1.70E-06
1259	609648.7	4170762.3	9.71E-06	3.99E-06	1.37E-05	1.61E-06	6.97E-07	2.31E-06	1.19E-06	3.98E-07	1.59E-06
1260	609636.64	4170774.12	9.15E-06	3.76E-06	1.29E-05	1.52E-06	6.57E-07	2.18E-06	1.12E-06	3.75E-07	1.50E-06
1261	609628.19	4170777.55	9.22E-06	3.79E-06	1.30E-05	1.53E-06	6.62E-07	2.19E-06	1.13E-06	3.78E-07	1.51E-06
1262	609663.08	4170728.75	1.20E-05	4.92E-06	1.69E-05	1.99E-06	8.59E-07	2.85E-06	1.47E-06	4.91E-07	1.96E-06
1263	609663.23	4170719.31	1.29E-05	5.32E-06	1.82E-05	2.15E-06	9.28E-07	3.08E-06	1.59E-06	5.30E-07	2.12E-06
1264	609663.37	4170709.87	1.38E-05	5.67E-06	1.95E-05	2.29E-06	9.89E-07	3.28E-06	1.69E-06	5.65E-07	2.26E-06
1265	609663.51	4170700.43	1.45E-05	5.95E-06	2.04E-05	2.40E-06	1.04E-06	3.44E-06	1.77E-06	5.93E-07	2.37E-06
1266	609663.65	4170690.99	1.49E-05	6.14E-06	2.11E-05	2.48E-06	1.07E-06	3.55E-06	1.83E-06	6.12E-07	2.44E-06
1267	609663.79	4170681.55	1.51E-05	6.22E-06	2.14E-05	2.51E-06	1.09E-06	3.60E-06	1.86E-06	6.20E-07	2.48E-06
1268	609663.93	4170672.11	1.51E-05	6.20E-06	2.13E-05	2.51E-06	1.08E-06	3.59E-06	1.85E-06	6.18E-07	2.47E-06
1269	609664.08	4170662.67	1.48E-05	6.07E-06	2.08E-05	2.45E-06	1.06E-06	3.51E-06	1.81E-06	6.05E-07	2.41E-06
1270	609664.22	4170653.23	1.42E-05	5.83E-06	2.00E-05	2.36E-06	1.02E-06	3.37E-06	1.74E-06	5.82E-07	2.32E-06
1271	609664.36	4170643.79	1.34E-05	5.51E-06	1.89E-05	2.23E-06	9.61E-07	3.19E-06	1.64E-06	5.49E-07	2.19E-06
1272	609664.5	4170634.35	1.24E-05	5.11E-06	1.75E-05	2.06E-06	8.91E-07	2.95E-06	1.52E-06	5.09E-07	2.03E-06
1273	609664.64	4170624.91	1.13E-05	4.65E-06	1.60E-05	1.88E-06	8.12E-07	2.69E-06	1.39E-06	4.64E-07	1.85E-06
1274	609669.59	4170737.06	1.02E-05	4.21E-06	1.44E-05	1.70E-06	7.34E-07	2.43E-06	1.25E-06	4.20E-07	1.67E-06
1275	609662.59	4170753.37	9.41E-06	3.87E-06	1.33E-05	1.56E-06	6.76E-07	2.24E-06	1.15E-06	3.86E-07	1.54E-06
1276	609655.6	4170769.67	8.36E-06	3.44E-06	1.18E-05	1.39E-06	6.00E-07	1.99E-06	1.03E-06	3.43E-07	1.37E-06
1277	609643.88	4170781.17	7.94E-06	3.26E-06	1.12E-05	1.32E-06	5.70E-07	1.89E-06	9.73E-07	3.25E-07	1.30E-06
1278	609627.44	4170787.84	8.00E-06	3.29E-06	1.13E-05	1.33E-06	5.74E-07	1.90E-06	9.81E-07	3.28E-07	1.31E-06
1279	609673.22	4170719.46	1.12E-05	4.62E-06	1.59E-05	1.87E-06	8.07E-07	2.67E-06	1.38E-06	4.61E-07	1.84E-06
1280	609673.37	4170710.02	1.19E-05	4.89E-06	1.68E-05	1.98E-06	8.54E-07	2.83E-06	1.46E-06	4.88E-07	1.95E-06
1281	609673.51	4170700.58	1.24E-05	5.10E-06	1.75E-05	2.06E-06	8.91E-07	2.95E-06	1.52E-06	5.09E-07	2.03E-06
1282	609673.65	4170691.14	1.28E-05	5.25E-06	1.80E-05	2.12E-06	9.17E-07	3.04E-06	1.57E-06	5.24E-07	2.09E-06
1283	609673.79	4170681.7	1.29E-05	5.32E-06	1.83E-05	2.15E-06	9.28E-07	3.08E-06	1.59E-06	5.30E-07	2.12E-06
1284	609673.93	4170672.26	1.29E-05	5.31E-06	1.82E-05	2.14E-06	9.26E-07	3.07E-06	1.58E-06	5.29E-07	2.11E-06
1285	609674.07	4170662.82	1.27E-05	5.21E-06	1.79E-05	2.11E-06	9.10E-07	3.02E-06	1.55E-06	5.20E-07	2.07E-06
1286	609674.22	4170653.38	1.22E-05	5.03E-06	1.73E-05	2.03E-06	8.79E-07	2.91E-06	1.50E-06	5.02E-07	2.00E-06
1287	609674.36	4170643.94	1.16E-05	4.78E-06	1.64E-05	1.93E-06	8.35E-07	2.77E-06	1.43E-06	4.77E-07	1.90E-06
1288	609674.5	4170634.5	1.09E-05	4.48E-06	1.54E-05	1.81E-06	7.82E-07	2.59E-06	1.34E-06	4.46E-07	1.78E-06
1289	609674.64	4170625.06	1.00E-05	4.13E-06	1.42E-05	1.67E-06	7.20E-07	2.39E-06	1.23E-06	4.11E-07	1.64E-06
1290	609679.66	4170737.04	9.11E-06	3.74E-06	1.29E-05	1.51E-06	6.54E-07	2.17E-06	1.12E-06	3.73E-07	1.49E-06
1291	609672.8	4170753.02	8.52E-06	3.50E-06	1.20E-05	1.42E-06	6.11E-07	2.03E-06	1.04E-06	3.49E-07	1.39E-06
1292	609665.95	4170768.99	7.73E-06	3.18E-06	1.09E-05	1.28E-06	5.55E-07	1.84E-06	9.48E-07	3.17E-07	1.26E-06
1293	609651.05	4170788.24	6.96E-06	2.86E-06	9.82E-06	1.16E-06	5.00E-07	1.66E-06	8.53E-07	2.85E-07	1.14E-06
1294	609634.94	4170794.77	7.04E-06	2.89E-06	9.93E-06	1.17E-06	5.05E-07	1.67E-06	8.63E-07	2.89E-07	1.15E-06
1295	609683.22	4170719.61	9.87E-06	4.06E-06	1.39E-05	1.64E-06	7.08E-07	2.35E-06	1.21E-06	4.05E-07	1.61E-06
1296	609683.36	4170710.17	1.04E-05	4.27E-06	1.46E-05	1.72E-06	7.45E-07	2.47E-06	1.27E-06	4.26E-07	1.70E-06
1297	609683.51	4170700.73	1.08E-05	4.43E-06	1.52E-05	1.79E-06	7.74E-07	2.57E-06	1.32E-06	4.42E-07	1.77E-06
1298	609683.65	4170691.29	1.11E-05	4.55E-06	1.56E-05	1.84E-06	7.94E-07	2.63E-06	1.36E-06	4.54E-07	1.81E-06
1299	609683.79	4170681.85	1.12E-05	4.61E-06	1.58E-05	1.86E-06	8.04E-07	2.67E-06	1.37E-06	4.59E-07	1.83E-06
1300	609683.93	4170672.41	1.12E-05	4.60E-06	1.58E-05	1.86E-06	8.03E-07	2.66E-06	1.37E-06	4.59E-07	1.83E-06
1301	609684.07	4170662.97	1.10E-05	4.53E-06	1.55E-05	1.83E-06	7.91E-07	2.62E-06	1.35E-06	4.52E-07	1.80E-06
1302	609684.22	4170653.53	1.07E-05	4.39E-06	1.51E-05	1.78E-06	7.67E-07	2.54E-06	1.31E-06	4.38E-07	1.75E-06
1303	609684.36	4170644.09	1.02E-05	4.20E-06	1.44E-05	1.70E-06	7.34E-07	2.43E-06	1.25E-06	4.19E-07	1.67E-06
1304	609684.5	4170634.65	9.64E-06	3.96E-06	1.36E-05	1.60E-06	6.92E-07	2.29E-06	1.18E-06	3.95E-07	1.58E-06
1305	609684.64	4170625.21	8.97E-06	3.69E-06	1.27E-05	1.49E-06	6.44E-07	2.13E-06	1.10E-06	3.68E-07	1.47E-06
1306	609689.71	4170737.07	8.15E-06	3.35E-06	1.15E-05	1.35E-06	5.85E-07	1.94E-06	9.99E-07	3.34E-07	1.33E-06
1307	609682.96	4170752.79	7.72E-06	3.17E-06	1.09E-05	1.28E-06	5.54E-07	1.84E-06	9.47E-07	3.17E-07	1.26E-06
1308	609676.22	4170768.52	7.12E-06	2.93E-06	1.00E-05	1.18E-06	5.11E-07	1.69E-06	8.73E-07	2.92E-07	1.16E-06
1309	609669.48	4170784.25	6.43E-06	2.64E-06	9.07E-06	1.07E-06	4.61E-07	1.53E-06	7.88E-07	2.63E-07	1.05E-06
1310	609658.18	4170795.33	6.16E-06	2.53E-06	8.69E-06	1.02E-06	4.42E-07	1.46E-06	7.55E-07	2.52E-07	1.01E-06
1311	609642.32	4170801.76	6.24E-06	2.56E-06	8.80E-06	1.04E-06	4.48E-07	1.48E-06	7.65E-07	2.56E-07	1.02E-06
1312	609626.47	4170808.2	6.17E-06	2.53E-06	8.70E-06	1.02E-06	4.43E-07	1.47E-06	7.56E-07	2.53E-07	1.01E-06
1313	609693.22	4170719.76	8.74E-06	3.59E-06	1.23E-05	1.45E-06	6.27E-07	2.08E-06	1.07E-06	3.58E-07	1.43E-06
1314	609693.36	4170710.32	9.14E-06	3.76E-06	1.29E-05	1.52E-06	6.56E-07	2.17E-06	1.12E-06	3.75E-07	1.50E-06
1315	609693.51	4170700.88	9.46E-06	3.89E-06	1.34E-05	1.57E-06	6.79E-07	2.25E-06	1.16E-06	3.88E-07	1.55E-06
1316	609693.65	4170691.44	9.69E-06	3.98E-06	1.37E-05	1.61E-06	6.95E-07	2.30E-06	1.19E-06	3.97E-07	1.59E-06
1317	609693.79	4170682	9.81E-06	4.03E-06	1.38E-05	1.63E-06	7.04E-07	2.33E-06	1.20E-06	4.02E-07	1.60E-06
1318	609693.93	4170672.56	9.80E-06	4.03E-06	1.38E-05	1.63E-06	7.04E-07	2.33E-06	1.20E-06	4.02E-07	1.60E-06
1319	609694.07	4170663.12	9.68E-06	3.98E-06	1.37E-05	1.61E-06	6.94E-07	2.30E-06	1.19E-06	3.97E-07	1.58E-06

1320	609694.21	4170653.68	9.43E-06	3.87E-06	1.33E-05	1.57E-06	6.76E-07	2.24E-06	1.16E-06	3.86E-07	1.54E-06
1321	609694.36	4170644.24	9.06E-06	3.72E-06	1.28E-05	1.51E-06	6.50E-07	2.16E-06	1.11E-06	3.71E-07	1.48E-06
1322	609694.5	4170634.8	8.60E-06	3.54E-06	1.21E-05	1.43E-06	6.17E-07	2.05E-06	1.05E-06	3.53E-07	1.41E-06
1323	609694.64	4170625.36	8.07E-06	3.32E-06	1.14E-05	1.34E-06	5.79E-07	1.92E-06	9.89E-07	3.31E-07	1.32E-06
1324	609699.75	4170737.12	7.33E-06	3.01E-06	1.03E-05	1.22E-06	5.26E-07	1.74E-06	8.99E-07	3.01E-07	1.20E-06
1325	609693.09	4170752.65	7.02E-06	2.88E-06	9.90E-06	1.17E-06	5.03E-07	1.67E-06	8.60E-07	2.88E-07	1.15E-06
1326	609686.43	4170768.18	6.56E-06	2.69E-06	9.25E-06	1.09E-06	4.70E-07	1.56E-06	8.04E-07	2.69E-07	1.07E-06
1327	609679.77	4170783.72	6.00E-06	2.47E-06	8.47E-06	9.97E-07	4.31E-07	1.43E-06	7.36E-07	2.46E-07	9.82E-07
1328	609665.28	4170802.43	5.49E-06	2.26E-06	7.75E-06	9.12E-07	3.94E-07	1.31E-06	6.73E-07	2.25E-07	8.98E-07
1329	609649.62	4170808.78	5.57E-06	2.29E-06	7.86E-06	9.25E-07	4.00E-07	1.32E-06	6.83E-07	2.28E-07	9.11E-07
1330	609633.96	4170815.14	5.53E-06	2.27E-06	7.80E-06	9.19E-07	3.97E-07	1.32E-06	6.78E-07	2.27E-07	9.05E-07
1331	609703.22	4170719.91	7.79E-06	3.20E-06	1.10E-05	1.29E-06	5.59E-07	1.85E-06	9.55E-07	3.19E-07	1.27E-06
1332	609703.36	4170710.47	8.11E-06	3.33E-06	1.14E-05	1.35E-06	5.82E-07	1.93E-06	9.95E-07	3.33E-07	1.33E-06
1333	609703.5	4170701.03	8.37E-06	3.44E-06	1.18E-05	1.39E-06	6.01E-07	1.99E-06	1.03E-06	3.43E-07	1.37E-06
1334	609703.65	4170691.59	8.56E-06	3.52E-06	1.21E-05	1.42E-06	6.14E-07	2.04E-06	1.05E-06	3.51E-07	1.40E-06
1335	609703.79	4170682.15	8.66E-06	3.56E-06	1.22E-05	1.44E-06	6.22E-07	2.06E-06	1.06E-06	3.55E-07	1.42E-06
1336	609703.93	4170672.71	8.67E-06	3.56E-06	1.22E-05	1.44E-06	6.22E-07	2.06E-06	1.06E-06	3.55E-07	1.42E-06
1337	609704.07	4170663.27	8.57E-06	3.52E-06	1.21E-05	1.42E-06	6.15E-07	2.04E-06	1.05E-06	3.51E-07	1.40E-06
1338	609704.21	4170653.83	8.38E-06	3.44E-06	1.18E-05	1.39E-06	6.01E-07	1.99E-06	1.03E-06	3.43E-07	1.37E-06
1339	609704.36	4170644.39	8.09E-06	3.33E-06	1.14E-05	1.34E-06	5.81E-07	1.92E-06	9.92E-07	3.32E-07	1.32E-06
1340	609704.5	4170634.95	7.73E-06	3.18E-06	1.09E-05	1.28E-06	5.54E-07	1.84E-06	9.47E-07	3.17E-07	1.26E-06
1341	609704.64	4170625.51	7.29E-06	3.00E-06	1.03E-05	1.21E-06	5.23E-07	1.73E-06	8.94E-07	2.99E-07	1.19E-06
1342	609709.41	4170738.05	6.62E-06	2.72E-06	9.34E-06	1.10E-06	4.75E-07	1.58E-06	8.12E-07	2.71E-07	1.08E-06
1343	609705.75	4170746.59	6.50E-06	2.67E-06	9.18E-06	1.08E-06	4.67E-07	1.55E-06	7.97E-07	2.67E-07	1.06E-06
1344	609702.09	4170755.13	6.34E-06	2.61E-06	8.95E-06	1.05E-06	4.55E-07	1.51E-06	7.78E-07	2.60E-07	1.04E-06
1345	609698.42	4170763.67	6.15E-06	2.53E-06	8.67E-06	1.02E-06	4.41E-07	1.46E-06	7.54E-07	2.52E-07	1.01E-06
1346	609694.76	4170772.22	5.92E-06	2.43E-06	8.36E-06	9.84E-07	4.25E-07	1.41E-06	7.26E-07	2.43E-07	9.69E-07
1347	609691.1	4170780.76	5.67E-06	2.33E-06	8.01E-06	9.43E-07	4.07E-07	1.35E-06	6.96E-07	2.33E-07	9.28E-07
1348	609687.43	4170789.3	5.41E-06	2.22E-06	7.64E-06	8.99E-07	3.88E-07	1.29E-06	6.64E-07	2.22E-07	8.85E-07
1349	609683.77	4170797.85	5.14E-06	2.11E-06	7.25E-06	8.54E-07	3.69E-07	1.22E-06	6.30E-07	2.11E-07	8.41E-07
1350	609671.49	4170809.88	4.94E-06	2.03E-06	6.96E-06	8.20E-07	3.54E-07	1.17E-06	6.05E-07	2.02E-07	8.07E-07
1351	609662.88	4170813.38	4.98E-06	2.05E-06	7.03E-06	8.28E-07	3.58E-07	1.19E-06	6.11E-07	2.04E-07	8.15E-07
1352	609654.27	4170816.88	5.00E-06	2.06E-06	7.06E-06	8.31E-07	3.59E-07	1.19E-06	6.13E-07	2.05E-07	8.19E-07
1353	609645.66	4170820.37	5.00E-06	2.05E-06	7.05E-06	8.30E-07	3.59E-07	1.19E-06	6.13E-07	2.05E-07	8.18E-07
1354	609637.04	4170823.87	4.96E-06	2.04E-06	7.00E-06	8.24E-07	3.56E-07	1.18E-06	6.08E-07	2.03E-07	8.12E-07
1355	609628.43	4170827.36	4.90E-06	2.01E-06	6.91E-06	8.14E-07	3.51E-07	1.17E-06	6.01E-07	2.01E-07	8.01E-07
1356	609619.82	4170830.86	4.81E-06	1.98E-06	6.78E-06	7.98E-07	3.45E-07	1.14E-06	5.89E-07	1.97E-07	7.86E-07
1357	609713.08	4170729.5	6.69E-06	2.75E-06	9.45E-06	1.11E-06	4.80E-07	1.59E-06	8.21E-07	2.74E-07	1.10E-06
1358	609713.22	4170720.06	6.99E-06	2.87E-06	9.87E-06	1.16E-06	5.02E-07	1.66E-06	8.57E-07	2.87E-07	1.14E-06
1359	609713.36	4170710.62	7.26E-06	2.98E-06	1.02E-05	1.21E-06	5.21E-07	1.73E-06	8.90E-07	2.97E-07	1.19E-06
1360	609713.5	4170701.18	7.47E-06	3.07E-06	1.05E-05	1.24E-06	5.36E-07	1.78E-06	9.16E-07	3.06E-07	1.22E-06
1361	609713.64	4170691.74	7.63E-06	3.14E-06	1.08E-05	1.27E-06	5.47E-07	1.81E-06	9.35E-07	3.13E-07	1.25E-06
1362	609713.79	4170682.3	7.71E-06	3.17E-06	1.09E-05	1.28E-06	5.53E-07	1.83E-06	9.46E-07	3.16E-07	1.26E-06
1363	609713.93	4170672.86	7.72E-06	3.17E-06	1.09E-05	1.28E-06	5.54E-07	1.84E-06	9.47E-07	3.17E-07	1.26E-06
1364	609714.07	4170663.42	7.65E-06	3.14E-06	1.08E-05	1.27E-06	5.49E-07	1.82E-06	9.38E-07	3.14E-07	1.25E-06
1365	609714.21	4170653.98	7.50E-06	3.08E-06	1.06E-05	1.25E-06	5.38E-07	1.78E-06	9.20E-07	3.07E-07	1.23E-06
1366	609714.35	4170644.54	7.27E-06	2.99E-06	1.03E-05	1.21E-06	5.22E-07	1.73E-06	8.92E-07	2.98E-07	1.19E-06
1367	609714.5	4170635.1	6.98E-06	2.87E-06	9.85E-06	1.16E-06	5.01E-07	1.66E-06	8.56E-07	2.86E-07	1.14E-06
1368	609714.64	4170625.66	6.63E-06	2.72E-06	9.35E-06	1.10E-06	4.76E-07	1.58E-06	8.13E-07	2.72E-07	1.08E-06
1369	609719.48	4170738.04	6.02E-06	2.47E-06	8.49E-06	1.00E-06	4.32E-07	1.43E-06	7.38E-07	2.47E-07	9.85E-07
1370	609715.88	4170746.43	5.93E-06	2.44E-06	8.37E-06	9.85E-07	4.26E-07	1.41E-06	7.27E-07	2.43E-07	9.70E-07
1371	609708.69	4170763.2	5.66E-06	2.33E-06	7.98E-06	9.40E-07	4.06E-07	1.35E-06	6.94E-07	2.32E-07	9.26E-07
1372	609705.09	4170771.59	5.48E-06	2.25E-06	7.74E-06	9.11E-07	3.94E-07	1.30E-06	6.72E-07	2.25E-07	8.97E-07
1373	609701.5	4170779.98	5.29E-06	2.17E-06	7.46E-06	8.78E-07	3.79E-07	1.26E-06	6.48E-07	2.17E-07	8.65E-07
1374	609697.9	4170788.37	5.08E-06	2.09E-06	7.16E-06	8.43E-07	3.64E-07	1.21E-06	6.22E-07	2.08E-07	8.30E-07
1375	609694.3	4170796.75	4.85E-06	2.00E-06	6.85E-06	8.06E-07	3.48E-07	1.15E-06	5.95E-07	1.99E-07	7.94E-07
1376	609690.71	4170805.14	4.63E-06	1.90E-06	6.53E-06	7.68E-07	3.32E-07	1.10E-06	5.67E-07	1.90E-07	7.57E-07
1377	609678.65	4170816.96	4.46E-06	1.83E-06	6.29E-06	7.40E-07	3.20E-07	1.06E-06	5.46E-07	1.83E-07	7.29E-07
1378	609670.2	4170820.39	4.50E-06	1.85E-06	6.35E-06	7.47E-07	3.23E-07	1.07E-06	5.52E-07	1.84E-07	7.36E-07
1379	609661.74	4170823.82	4.52E-06	1.86E-06	6.38E-06	7.51E-07	3.24E-07	1.08E-06	5.54E-07	1.85E-07	7.40E-07
1380	609653.28	4170827.26	4.52E-06	1.86E-06	6.38E-06	7.51E-07	3.24E-07	1.08E-06	5.54E-07	1.85E-07	7.40E-07
1381	609644.83	4170830.69	4.50E-06	1.85E-06	6.35E-06	7.47E-07	3.23E-07	1.07E-06	5.52E-07	1.84E-07	7.36E-07
1382	609636.37	4170834.12	4.46E-06	1.83E-06	6.29E-06	7.40E-07	3.20E-07	1.06E-06	5.46E-07	1.83E-07	7.29E-07

1383	609627.91	4170837.55	4.39E-06	1.80E-06	6.19E-06	7.29E-07	3.15E-07	1.04E-06	5.38E-07	1.80E-07	7.18E-07
1384	609619.46	4170840.98	4.30E-06	1.77E-06	6.07E-06	7.14E-07	3.09E-07	1.02E-06	5.27E-07	1.76E-07	7.04E-07
1385	609723.22	4170720.21	6.31E-06	2.60E-06	8.91E-06	1.05E-06	4.53E-07	1.50E-06	7.74E-07	2.59E-07	1.03E-06
1386	609723.36	4170710.77	6.53E-06	2.68E-06	9.22E-06	1.09E-06	4.69E-07	1.55E-06	8.01E-07	2.68E-07	1.07E-06
1387	609723.5	4170701.33	6.71E-06	2.76E-06	9.47E-06	1.11E-06	4.82E-07	1.60E-06	8.23E-07	2.75E-07	1.10E-06
1388	609723.64	4170691.89	6.84E-06	2.81E-06	9.65E-06	1.14E-06	4.91E-07	1.63E-06	8.39E-07	2.80E-07	1.12E-06
1389	609723.79	4170682.45	6.92E-06	2.84E-06	9.76E-06	1.15E-06	4.96E-07	1.65E-06	8.48E-07	2.83E-07	1.13E-06
1390	609723.93	4170673.01	6.93E-06	2.85E-06	9.77E-06	1.15E-06	4.97E-07	1.65E-06	8.49E-07	2.84E-07	1.13E-06
1391	609724.07	4170663.57	6.87E-06	2.83E-06	9.70E-06	1.14E-06	4.93E-07	1.64E-06	8.43E-07	2.82E-07	1.12E-06
1392	609724.21	4170654.13	6.76E-06	2.78E-06	9.53E-06	1.12E-06	4.85E-07	1.61E-06	8.28E-07	2.77E-07	1.11E-06
1393	609724.35	4170644.69	6.57E-06	2.70E-06	9.28E-06	1.09E-06	4.72E-07	1.56E-06	8.06E-07	2.69E-07	1.08E-06
1394	609724.49	4170635.25	6.34E-06	2.60E-06	8.94E-06	1.05E-06	4.55E-07	1.51E-06	7.77E-07	2.60E-07	1.04E-06
1395	609724.64	4170625.81	6.05E-06	2.49E-06	8.53E-06	1.00E-06	4.34E-07	1.44E-06	7.42E-07	2.48E-07	9.89E-07
1396	609729.53	4170738.06	5.49E-06	2.26E-06	7.75E-06	9.12E-07	3.94E-07	1.31E-06	6.73E-07	2.25E-07	8.98E-07
1397	609722.45	4170754.58	5.33E-06	2.19E-06	7.53E-06	8.86E-07	3.83E-07	1.27E-06	6.54E-07	2.19E-07	8.73E-07
1398	609715.36	4170771.11	5.08E-06	2.09E-06	7.17E-06	8.44E-07	3.65E-07	1.21E-06	6.23E-07	2.08E-07	8.31E-07
1399	609708.28	4170787.63	4.75E-06	1.95E-06	6.71E-06	7.90E-07	3.41E-07	1.13E-06	5.83E-07	1.95E-07	7.78E-07
1400	609701.2	4170804.15	4.38E-06	1.80E-06	6.18E-06	7.28E-07	3.14E-07	1.04E-06	5.37E-07	1.80E-07	7.17E-07
1401	609685.78	4170824.05	4.04E-06	1.66E-06	5.71E-06	6.72E-07	2.90E-07	9.62E-07	4.96E-07	1.66E-07	6.62E-07
1402	609677.45	4170827.43	4.08E-06	1.68E-06	5.76E-06	6.78E-07	2.93E-07	9.71E-07	5.01E-07	1.67E-07	6.68E-07
1403	609660.8	4170834.19	4.11E-06	1.69E-06	5.80E-06	6.83E-07	2.95E-07	9.78E-07	5.04E-07	1.68E-07	6.72E-07
1404	609644.14	4170840.95	4.07E-06	1.67E-06	5.74E-06	6.75E-07	2.92E-07	9.67E-07	4.99E-07	1.67E-07	6.65E-07
1405	609627.48	4170847.71	3.95E-06	1.62E-06	5.57E-06	6.56E-07	2.83E-07	9.39E-07	4.84E-07	1.62E-07	6.46E-07
1406	609733.22	4170720.36	5.73E-06	2.36E-06	8.09E-06	9.52E-07	4.11E-07	1.36E-06	7.03E-07	2.35E-07	9.38E-07
1407	609733.36	4170710.92	5.91E-06	2.43E-06	8.34E-06	9.82E-07	4.24E-07	1.41E-06	7.25E-07	2.42E-07	9.67E-07
1408	609733.5	4170701.48	6.06E-06	2.49E-06	8.56E-06	1.01E-06	4.35E-07	1.44E-06	7.44E-07	2.49E-07	9.92E-07
1409	609733.64	4170692.04	6.17E-06	2.54E-06	8.71E-06	1.03E-06	4.43E-07	1.47E-06	7.57E-07	2.53E-07	1.01E-06
1410	609733.78	4170682.6	6.24E-06	2.56E-06	8.80E-06	1.04E-06	4.48E-07	1.48E-06	7.65E-07	2.56E-07	1.02E-06
1411	609733.93	4170673.16	6.25E-06	2.57E-06	8.82E-06	1.04E-06	4.49E-07	1.49E-06	7.67E-07	2.56E-07	1.02E-06
1412	609734.07	4170663.72	6.21E-06	2.55E-06	8.77E-06	1.03E-06	4.46E-07	1.48E-06	7.62E-07	2.55E-07	1.02E-06
1413	609734.21	4170654.28	6.12E-06	2.51E-06	8.63E-06	1.02E-06	4.39E-07	1.46E-06	7.50E-07	2.51E-07	1.00E-06
1414	609734.35	4170644.84	5.97E-06	2.46E-06	8.43E-06	9.92E-07	4.29E-07	1.42E-06	7.32E-07	2.45E-07	9.77E-07
1415	609734.49	4170635.4	5.78E-06	2.38E-06	8.15E-06	9.60E-07	4.15E-07	1.37E-06	7.09E-07	2.37E-07	9.45E-07
1416	609734.64	4170625.96	5.54E-06	2.28E-06	7.82E-06	9.20E-07	3.98E-07	1.32E-06	6.79E-07	2.27E-07	9.07E-07
1417	609739.58	4170738.11	5.03E-06	2.07E-06	7.10E-06	8.35E-07	3.61E-07	1.20E-06	6.17E-07	2.06E-07	8.23E-07
1418	609732.58	4170754.42	4.91E-06	2.02E-06	6.93E-06	8.16E-07	3.52E-07	1.17E-06	6.02E-07	2.01E-07	8.03E-07
1419	609725.59	4170770.73	4.71E-06	1.94E-06	6.65E-06	7.82E-07	3.38E-07	1.12E-06	5.77E-07	1.93E-07	7.71E-07
1420	609718.6	4170787.04	4.45E-06	1.83E-06	6.27E-06	7.39E-07	3.19E-07	1.06E-06	5.45E-07	1.82E-07	7.27E-07
1421	609711.6	4170803.34	4.14E-06	1.70E-06	5.84E-06	6.88E-07	2.97E-07	9.85E-07	5.08E-07	1.70E-07	6.77E-07
1422	609704.61	4170819.65	3.81E-06	1.57E-06	5.38E-06	6.33E-07	2.73E-07	9.06E-07	4.67E-07	1.56E-07	6.23E-07
1423	609692.89	4170831.15	3.69E-06	1.52E-06	5.20E-06	6.13E-07	2.65E-07	8.77E-07	4.52E-07	1.51E-07	6.03E-07
1424	609676.45	4170837.82	3.74E-06	1.54E-06	5.28E-06	6.22E-07	2.69E-07	8.91E-07	4.59E-07	1.53E-07	6.13E-07
1425	609660	4170844.49	3.75E-06	1.54E-06	5.28E-06	6.22E-07	2.69E-07	8.91E-07	4.59E-07	1.54E-07	6.13E-07
1426	609643.56	4170851.17	3.69E-06	1.52E-06	5.20E-06	6.12E-07	2.65E-07	8.77E-07	4.52E-07	1.51E-07	6.03E-07
1427	609627.12	4170857.84	3.57E-06	1.47E-06	5.04E-06	5.93E-07	2.56E-07	8.49E-07	4.38E-07	1.46E-07	5.84E-07
1428	609743.22	4170720.51	5.23E-06	2.15E-06	7.38E-06	8.68E-07	3.75E-07	1.24E-06	6.41E-07	2.14E-07	8.55E-07
1429	609743.36	4170711.07	5.38E-06	2.21E-06	7.59E-06	8.94E-07	3.86E-07	1.28E-06	6.60E-07	2.21E-07	8.80E-07
1430	609743.5	4170701.63	5.51E-06	2.26E-06	7.77E-06	9.15E-07	3.95E-07	1.31E-06	6.75E-07	2.26E-07	9.01E-07
1431	609743.64	4170692.19	5.60E-06	2.30E-06	7.91E-06	9.31E-07	4.02E-07	1.33E-06	6.87E-07	2.30E-07	9.17E-07
1432	609743.78	4170682.75	5.66E-06	2.33E-06	7.98E-06	9.40E-07	4.06E-07	1.35E-06	6.94E-07	2.32E-07	9.26E-07
1433	609743.93	4170673.31	5.67E-06	2.33E-06	8.00E-06	9.42E-07	4.07E-07	1.35E-06	6.96E-07	2.33E-07	9.28E-07
1434	609744.07	4170663.87	5.64E-06	2.32E-06	7.96E-06	9.37E-07	4.05E-07	1.34E-06	6.92E-07	2.31E-07	9.23E-07
1435	609744.21	4170654.43	5.57E-06	2.29E-06	7.86E-06	9.25E-07	4.00E-07	1.32E-06	6.83E-07	2.28E-07	9.11E-07
1436	609744.35	4170644.99	5.45E-06	2.24E-06	7.69E-06	9.05E-07	3.91E-07	1.30E-06	6.68E-07	2.23E-07	8.92E-07
1437	609744.49	4170635.55	5.29E-06	2.18E-06	7.47E-06	8.79E-07	3.80E-07	1.26E-06	6.49E-07	2.17E-07	8.66E-07
1438	609744.63	4170626.11	5.10E-06	2.09E-06	7.19E-06	8.46E-07	3.66E-07	1.21E-06	6.25E-07	2.09E-07	8.34E-07
1439	609749.61	4170738.17	4.62E-06	1.90E-06	6.52E-06	7.68E-07	3.32E-07	1.10E-06	5.67E-07	1.89E-07	7.56E-07
1440	609742.7	4170754.3	4.53E-06	1.86E-06	6.39E-06	7.53E-07	3.25E-07	1.08E-06	5.56E-07	1.86E-07	7.41E-07
1441	609735.78	4170770.43	4.37E-06	1.80E-06	6.17E-06	7.26E-07	3.14E-07	1.04E-06	5.36E-07	1.79E-07	7.15E-07
1442	609728.86	4170786.56	4.16E-06	1.71E-06	5.87E-06	6.91E-07	2.99E-07	9.90E-07	5.10E-07	1.71E-07	6.81E-07
1443	609721.95	4170802.69	3.91E-06	1.61E-06	5.51E-06	6.49E-07	2.80E-07	9.29E-07	4.79E-07	1.60E-07	6.39E-07
1444	609715.03	4170818.82	3.63E-06	1.49E-06	5.12E-06	6.03E-07	2.60E-07	8.63E-07	4.45E-07	1.49E-07	5.93E-07
1445	609699.98	4170838.25	3.38E-06	1.39E-06	4.77E-06	5.61E-07	2.42E-07	8.04E-07	4.14E-07	1.39E-07	5.53E-07

1446	609683.72	4170844.85	3.43E-06	1.41E-06	4.84E-06	5.70E-07	2.46E-07	8.16E-07	4.21E-07	1.41E-07	5.61E-07
1447	609667.46	4170851.45	3.44E-06	1.41E-06	4.85E-06	5.71E-07	2.47E-07	8.17E-07	4.21E-07	1.41E-07	5.62E-07
1448	609651.2	4170858.05	3.39E-06	1.39E-06	4.79E-06	5.64E-07	2.43E-07	8.07E-07	4.16E-07	1.39E-07	5.55E-07
1449	609634.93	4170864.65	3.30E-06	1.36E-06	4.66E-06	5.48E-07	2.37E-07	7.85E-07	4.05E-07	1.35E-07	5.40E-07
1450	609618.67	4170871.25	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.53E-07	3.88E-07	1.30E-07	5.18E-07
1451	609753.21	4170720.66	4.79E-06	1.97E-06	6.75E-06	7.95E-07	3.43E-07	1.14E-06	5.87E-07	1.96E-07	7.83E-07
1452	609753.36	4170711.22	4.92E-06	2.02E-06	6.94E-06	8.17E-07	3.53E-07	1.17E-06	6.03E-07	2.02E-07	8.04E-07
1453	609753.5	4170701.78	5.03E-06	2.07E-06	7.09E-06	8.35E-07	3.61E-07	1.20E-06	6.16E-07	2.06E-07	8.22E-07
1454	609753.64	4170692.34	5.11E-06	2.10E-06	7.21E-06	8.48E-07	3.67E-07	1.21E-06	6.26E-07	2.09E-07	8.36E-07
1455	609753.78	4170682.9	5.16E-06	2.12E-06	7.28E-06	8.57E-07	3.70E-07	1.23E-06	6.32E-07	2.11E-07	8.44E-07
1456	609753.92	4170673.46	5.17E-06	2.13E-06	7.30E-06	8.59E-07	3.71E-07	1.23E-06	6.34E-07	2.12E-07	8.46E-07
1457	609754.07	4170664.02	5.15E-06	2.12E-06	7.27E-06	8.56E-07	3.70E-07	1.23E-06	6.31E-07	2.11E-07	8.43E-07
1458	609754.21	4170654.58	5.09E-06	2.09E-06	7.18E-06	8.46E-07	3.65E-07	1.21E-06	6.24E-07	2.09E-07	8.33E-07
1459	609754.35	4170645.14	5.00E-06	2.05E-06	7.05E-06	8.30E-07	3.58E-07	1.19E-06	6.12E-07	2.05E-07	8.17E-07
1460	609754.49	4170635.7	4.86E-06	2.00E-06	6.86E-06	8.08E-07	3.49E-07	1.16E-06	5.96E-07	1.99E-07	7.96E-07
1461	609754.63	4170626.26	4.70E-06	1.93E-06	6.63E-06	7.81E-07	3.37E-07	1.12E-06	5.76E-07	1.93E-07	7.69E-07
1462	609759.38	4170738.86	4.26E-06	1.75E-06	6.01E-06	7.07E-07	3.05E-07	1.01E-06	5.22E-07	1.75E-07	6.96E-07
1463	609755.69	4170747.46	4.23E-06	1.74E-06	5.97E-06	7.02E-07	3.03E-07	1.01E-06	5.18E-07	1.73E-07	6.92E-07
1464	609752.01	4170756.06	4.18E-06	1.72E-06	5.90E-06	6.94E-07	3.00E-07	9.94E-07	5.13E-07	1.71E-07	6.84E-07
1465	609748.32	4170764.66	4.12E-06	1.69E-06	5.81E-06	6.84E-07	2.95E-07	9.79E-07	5.05E-07	1.69E-07	6.74E-07
1466	609744.63	4170773.27	4.04E-06	1.66E-06	5.70E-06	6.71E-07	2.90E-07	9.60E-07	4.95E-07	1.65E-07	6.60E-07
1467	609740.94	4170781.87	3.94E-06	1.62E-06	5.57E-06	6.55E-07	2.83E-07	9.38E-07	4.84E-07	1.62E-07	6.45E-07
1468	609737.25	4170790.47	3.84E-06	1.58E-06	5.42E-06	6.38E-07	2.76E-07	9.13E-07	4.71E-07	1.57E-07	6.28E-07
1469	609733.56	4170799.07	3.73E-06	1.53E-06	5.26E-06	6.19E-07	2.67E-07	8.86E-07	4.57E-07	1.53E-07	6.09E-07
1470	609729.87	4170807.68	3.60E-06	1.48E-06	5.08E-06	5.98E-07	2.59E-07	8.57E-07	4.42E-07	1.48E-07	5.89E-07
1471	609726.18	4170816.28	3.47E-06	1.43E-06	4.90E-06	5.77E-07	2.49E-07	8.26E-07	4.26E-07	1.42E-07	5.68E-07
1472	609722.49	4170824.88	3.34E-06	1.37E-06	4.72E-06	5.55E-07	2.40E-07	7.95E-07	4.10E-07	1.37E-07	5.47E-07
1473	609718.8	4170833.49	3.21E-06	1.32E-06	4.53E-06	5.33E-07	2.30E-07	7.63E-07	3.93E-07	1.31E-07	5.25E-07
1474	609706.44	4170845.61	3.11E-06	1.28E-06	4.39E-06	5.17E-07	2.23E-07	7.40E-07	3.81E-07	1.27E-07	5.09E-07
1475	609697.77	4170849.13	3.14E-06	1.29E-06	4.43E-06	5.21E-07	2.25E-07	7.46E-07	3.85E-07	1.29E-07	5.13E-07
1476	609689.1	4170852.65	3.16E-06	1.30E-06	4.45E-06	5.24E-07	2.26E-07	7.51E-07	3.87E-07	1.29E-07	5.16E-07
1477	609680.42	4170856.17	3.16E-06	1.30E-06	4.46E-06	5.26E-07	2.27E-07	7.53E-07	3.88E-07	1.30E-07	5.18E-07
1478	609671.75	4170859.69	3.16E-06	1.30E-06	4.46E-06	5.25E-07	2.27E-07	7.52E-07	3.87E-07	1.30E-07	5.17E-07
1479	609663.08	4170863.21	3.14E-06	1.29E-06	4.44E-06	5.22E-07	2.26E-07	7.48E-07	3.85E-07	1.29E-07	5.14E-07
1480	609654.4	4170866.73	3.12E-06	1.28E-06	4.40E-06	5.18E-07	2.24E-07	7.41E-07	3.82E-07	1.28E-07	5.10E-07
1481	609645.73	4170870.25	3.08E-06	1.26E-06	4.34E-06	5.11E-07	2.21E-07	7.32E-07	3.77E-07	1.26E-07	5.03E-07
1482	609637.06	4170873.77	3.03E-06	1.24E-06	4.27E-06	5.03E-07	2.17E-07	7.20E-07	3.71E-07	1.24E-07	4.95E-07
1483	609628.38	4170877.29	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.05E-07	3.63E-07	1.21E-07	4.85E-07
1484	609619.71	4170880.81	2.89E-06	1.19E-06	4.08E-06	4.80E-07	2.08E-07	6.88E-07	3.55E-07	1.19E-07	4.73E-07
1485	609763.07	4170730.25	4.27E-06	1.75E-06	6.02E-06	7.09E-07	3.06E-07	1.02E-06	5.23E-07	1.75E-07	6.98E-07
1486	609763.21	4170720.81	4.40E-06	1.81E-06	6.21E-06	7.31E-07	3.16E-07	1.05E-06	5.39E-07	1.80E-07	7.20E-07
1487	609763.36	4170711.37	4.51E-06	1.85E-06	6.37E-06	7.49E-07	3.24E-07	1.07E-06	5.53E-07	1.85E-07	7.38E-07
1488	609763.5	4170701.93	4.61E-06	1.89E-06	6.50E-06	7.65E-07	3.31E-07	1.10E-06	5.65E-07	1.89E-07	7.54E-07
1489	609763.64	4170692.49	4.68E-06	1.92E-06	6.60E-06	7.77E-07	3.36E-07	1.11E-06	5.73E-07	1.92E-07	7.65E-07
1490	609763.78	4170683.05	4.72E-06	1.94E-06	6.66E-06	7.84E-07	3.39E-07	1.12E-06	5.79E-07	1.94E-07	7.72E-07
1491	609763.92	4170673.61	4.74E-06	1.95E-06	6.68E-06	7.87E-07	3.40E-07	1.13E-06	5.81E-07	1.94E-07	7.75E-07
1492	609764.06	4170664.17	4.72E-06	1.94E-06	6.66E-06	7.84E-07	3.39E-07	1.12E-06	5.79E-07	1.94E-07	7.72E-07
1493	609764.21	4170654.73	4.67E-06	1.92E-06	6.59E-06	7.76E-07	3.35E-07	1.11E-06	5.73E-07	1.92E-07	7.65E-07
1494	609764.35	4170645.29	4.59E-06	1.89E-06	6.48E-06	7.63E-07	3.30E-07	1.09E-06	5.63E-07	1.88E-07	7.52E-07
1495	609764.49	4170635.85	4.49E-06	1.84E-06	6.33E-06	7.45E-07	3.22E-07	1.07E-06	5.50E-07	1.84E-07	7.34E-07
1496	609764.63	4170626.41	4.34E-06	1.79E-06	6.13E-06	7.21E-07	3.12E-07	1.03E-06	5.32E-07	1.78E-07	7.10E-07
1497	609769.43	4170738.89	3.94E-06	1.62E-06	5.55E-06	6.54E-07	2.82E-07	9.36E-07	4.83E-07	1.61E-07	6.44E-07
1498	609765.79	4170747.38	3.92E-06	1.61E-06	5.53E-06	6.50E-07	2.81E-07	9.31E-07	4.80E-07	1.61E-07	6.41E-07
1499	609762.15	4170755.87	3.88E-06	1.59E-06	5.47E-06	6.45E-07	2.78E-07	9.23E-07	4.76E-07	1.59E-07	6.35E-07
1500	609758.51	4170764.35	3.83E-06	1.57E-06	5.40E-06	6.36E-07	2.75E-07	9.11E-07	4.70E-07	1.57E-07	6.27E-07
1501	609754.87	4170772.84	3.77E-06	1.55E-06	5.31E-06	6.26E-07	2.70E-07	8.96E-07	4.62E-07	1.54E-07	6.16E-07
1502	609751.23	4170781.33	3.69E-06	1.52E-06	5.21E-06	6.13E-07	2.65E-07	8.78E-07	4.53E-07	1.51E-07	6.04E-07
1503	609747.59	4170789.82	3.60E-06	1.48E-06	5.09E-06	5.99E-07	2.59E-07	8.58E-07	4.42E-07	1.48E-07	5.90E-07
1504	609743.95	4170798.3	3.51E-06	1.44E-06	4.95E-06	5.83E-07	2.52E-07	8.35E-07	4.30E-07	1.44E-07	5.74E-07
1505	609740.31	4170806.79	3.41E-06	1.40E-06	4.81E-06	5.66E-07	2.45E-07	8.11E-07	4.18E-07	1.40E-07	5.58E-07
1506	609736.68	4170815.28	3.30E-06	1.36E-06	4.66E-06	5.48E-07	2.37E-07	7.85E-07	4.05E-07	1.35E-07	5.40E-07
1507	609733.04	4170823.77	3.19E-06	1.31E-06	4.50E-06	5.29E-07	2.29E-07	7.58E-07	3.91E-07	1.31E-07	5.21E-07
1508	609729.4	4170832.25	3.07E-06	1.26E-06	4.33E-06	5.10E-07	2.20E-07	7.31E-07	3.77E-07	1.26E-07	5.03E-07

1509	609725.76	4170840.74	2.95E-06	1.21E-06	4.17E-06	4.91E-07	2.12E-07	7.03E-07	3.62E-07	1.21E-07	4.83E-07
1510	609713.56	4170852.7	2.87E-06	1.18E-06	4.05E-06	4.77E-07	2.06E-07	6.82E-07	3.52E-07	1.18E-07	4.69E-07
1511	609705	4170856.17	2.89E-06	1.19E-06	4.08E-06	4.81E-07	2.08E-07	6.89E-07	3.55E-07	1.19E-07	4.74E-07
1512	609696.45	4170859.65	2.91E-06	1.20E-06	4.11E-06	4.84E-07	2.09E-07	6.93E-07	3.57E-07	1.19E-07	4.76E-07
1513	609687.89	4170863.12	2.92E-06	1.20E-06	4.12E-06	4.85E-07	2.10E-07	6.95E-07	3.58E-07	1.20E-07	4.78E-07
1514	609679.33	4170866.59	2.92E-06	1.20E-06	4.12E-06	4.85E-07	2.09E-07	6.94E-07	3.58E-07	1.20E-07	4.78E-07
1515	609670.77	4170870.07	2.91E-06	1.20E-06	4.10E-06	4.83E-07	2.09E-07	6.92E-07	3.56E-07	1.19E-07	4.76E-07
1516	609662.22	4170873.54	2.89E-06	1.19E-06	4.07E-06	4.80E-07	2.07E-07	6.87E-07	3.54E-07	1.18E-07	4.72E-07
1517	609653.66	4170877.01	2.86E-06	1.17E-06	4.03E-06	4.74E-07	2.05E-07	6.79E-07	3.50E-07	1.17E-07	4.67E-07
1518	609645.1	4170880.48	2.82E-06	1.16E-06	3.97E-06	4.68E-07	2.02E-07	6.70E-07	3.45E-07	1.15E-07	4.61E-07
1519	609636.55	4170883.96	2.77E-06	1.14E-06	3.90E-06	4.59E-07	1.98E-07	6.58E-07	3.39E-07	1.13E-07	4.52E-07
1520	609627.99	4170887.43	2.71E-06	1.11E-06	3.82E-06	4.50E-07	1.94E-07	6.44E-07	3.32E-07	1.11E-07	4.43E-07
1521	609619.43	4170890.9	2.64E-06	1.09E-06	3.73E-06	4.39E-07	1.89E-07	6.28E-07	3.24E-07	1.08E-07	4.32E-07
1522	609773.07	4170730.4	3.94E-06	1.62E-06	5.57E-06	6.55E-07	2.83E-07	9.38E-07	4.84E-07	1.62E-07	6.45E-07
1523	609773.21	4170720.96	4.06E-06	1.67E-06	5.72E-06	6.74E-07	2.91E-07	9.65E-07	4.97E-07	1.66E-07	6.64E-07
1524	609773.35	4170711.52	4.16E-06	1.71E-06	5.86E-06	6.90E-07	2.98E-07	9.89E-07	5.10E-07	1.70E-07	6.80E-07
1525	609773.5	4170702.08	4.24E-06	1.74E-06	5.98E-06	7.04E-07	3.04E-07	1.01E-06	5.20E-07	1.74E-07	6.93E-07
1526	609773.64	4170692.64	4.30E-06	1.77E-06	6.07E-06	7.14E-07	3.09E-07	1.02E-06	5.27E-07	1.76E-07	7.03E-07
1527	609773.78	4170683.2	4.34E-06	1.78E-06	6.12E-06	7.21E-07	3.11E-07	1.03E-06	5.32E-07	1.78E-07	7.10E-07
1528	609773.92	4170673.76	4.35E-06	1.79E-06	6.14E-06	7.23E-07	3.12E-07	1.04E-06	5.34E-07	1.78E-07	7.12E-07
1529	609774.06	4170664.32	4.34E-06	1.79E-06	6.13E-06	7.21E-07	3.12E-07	1.03E-06	5.33E-07	1.78E-07	7.11E-07
1530	609774.21	4170654.88	4.31E-06	1.77E-06	6.07E-06	7.15E-07	3.09E-07	1.02E-06	5.28E-07	1.76E-07	7.04E-07
1531	609774.35	4170645.44	4.24E-06	1.74E-06	5.98E-06	7.04E-07	3.04E-07	1.01E-06	5.20E-07	1.74E-07	6.94E-07
1532	609774.49	4170636	4.15E-06	1.70E-06	5.85E-06	6.89E-07	2.98E-07	9.86E-07	5.08E-07	1.70E-07	6.78E-07
1533	609774.63	4170626.56	4.02E-06	1.65E-06	5.68E-06	6.68E-07	2.89E-07	9.57E-07	4.93E-07	1.65E-07	6.58E-07
1534	609779.47	4170738.94	3.65E-06	1.50E-06	5.15E-06	6.07E-07	2.62E-07	8.69E-07	4.48E-07	1.50E-07	5.97E-07
1535	609775.88	4170747.33	3.64E-06	1.49E-06	5.13E-06	6.04E-07	2.61E-07	8.65E-07	4.46E-07	1.49E-07	5.95E-07
1536	609772.28	4170755.72	3.61E-06	1.48E-06	5.09E-06	5.99E-07	2.59E-07	8.58E-07	4.42E-07	1.48E-07	5.90E-07
1537	609765.09	4170772.49	3.52E-06	1.45E-06	4.96E-06	5.84E-07	2.52E-07	8.37E-07	4.31E-07	1.44E-07	5.76E-07
1538	609761.49	4170780.88	3.46E-06	1.42E-06	4.88E-06	5.74E-07	2.48E-07	8.22E-07	4.24E-07	1.42E-07	5.66E-07
1539	609757.89	4170789.27	3.39E-06	1.39E-06	4.78E-06	5.63E-07	2.43E-07	8.06E-07	4.15E-07	1.39E-07	5.54E-07
1540	609754.3	4170797.65	3.31E-06	1.36E-06	4.67E-06	5.49E-07	2.37E-07	7.87E-07	4.06E-07	1.36E-07	5.41E-07
1541	609750.7	4170806.04	3.22E-06	1.32E-06	4.55E-06	5.35E-07	2.31E-07	7.66E-07	3.95E-07	1.32E-07	5.27E-07
1542	609747.1	4170814.43	3.13E-06	1.29E-06	4.42E-06	5.20E-07	2.25E-07	7.45E-07	3.84E-07	1.28E-07	5.12E-07
1543	609743.51	4170822.82	3.03E-06	1.25E-06	4.28E-06	5.04E-07	2.18E-07	7.22E-07	3.72E-07	1.24E-07	4.96E-07
1544	609739.91	4170831.21	2.94E-06	1.21E-06	4.14E-06	4.88E-07	2.11E-07	6.98E-07	3.60E-07	1.20E-07	4.80E-07
1545	609736.31	4170839.59	2.83E-06	1.16E-06	4.00E-06	4.71E-07	2.03E-07	6.74E-07	3.47E-07	1.16E-07	4.64E-07
1546	609732.72	4170847.98	2.73E-06	1.12E-06	3.85E-06	4.53E-07	1.96E-07	6.49E-07	3.35E-07	1.12E-07	4.47E-07
1547	609720.66	4170859.8	2.66E-06	1.09E-06	3.75E-06	4.41E-07	1.91E-07	6.32E-07	3.26E-07	1.09E-07	4.34E-07
1548	609712.21	4170863.23	2.68E-06	1.10E-06	3.78E-06	4.45E-07	1.92E-07	6.37E-07	3.28E-07	1.10E-07	4.38E-07
1549	609703.75	4170866.66	2.69E-06	1.11E-06	3.80E-06	4.48E-07	1.93E-07	6.41E-07	3.30E-07	1.10E-07	4.41E-07
1550	609695.29	4170870.1	2.70E-06	1.11E-06	3.81E-06	4.49E-07	1.94E-07	6.43E-07	3.31E-07	1.11E-07	4.42E-07
1551	609686.84	4170873.53	2.70E-06	1.11E-06	3.82E-06	4.49E-07	1.94E-07	6.43E-07	3.32E-07	1.11E-07	4.42E-07
1552	609678.38	4170876.96	2.70E-06	1.11E-06	3.80E-06	4.48E-07	1.93E-07	6.41E-07	3.31E-07	1.11E-07	4.41E-07
1553	609669.92	4170880.39	2.68E-06	1.10E-06	3.78E-06	4.45E-07	1.92E-07	6.38E-07	3.29E-07	1.10E-07	4.39E-07
1554	609661.47	4170883.82	2.66E-06	1.09E-06	3.75E-06	4.41E-07	1.91E-07	6.32E-07	3.26E-07	1.09E-07	4.35E-07
1555	609653.01	4170887.26	2.62E-06	1.08E-06	3.70E-06	4.36E-07	1.88E-07	6.24E-07	3.22E-07	1.08E-07	4.29E-07
1556	609644.55	4170890.69	2.58E-06	1.06E-06	3.65E-06	4.29E-07	1.85E-07	6.15E-07	3.17E-07	1.06E-07	4.23E-07
1557	609636.1	4170894.12	2.54E-06	1.04E-06	3.58E-06	4.21E-07	1.82E-07	6.03E-07	3.11E-07	1.04E-07	4.15E-07
1558	609627.64	4170897.55	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.90E-07	3.04E-07	1.02E-07	4.06E-07
1559	609619.19	4170900.98	2.42E-06	9.94E-07	3.41E-06	4.02E-07	1.74E-07	5.75E-07	2.97E-07	9.92E-08	3.96E-07
1560	609783.07	4170730.55	3.66E-06	1.50E-06	5.16E-06	6.07E-07	2.62E-07	8.70E-07	4.48E-07	1.50E-07	5.98E-07
1561	609783.21	4170721.11	3.75E-06	1.54E-06	5.30E-06	6.24E-07	2.69E-07	8.93E-07	4.60E-07	1.54E-07	6.14E-07
1562	609783.35	4170711.67	3.84E-06	1.58E-06	5.42E-06	6.38E-07	2.76E-07	9.14E-07	4.71E-07	1.57E-07	6.28E-07
1563	609783.5	4170702.23	3.91E-06	1.61E-06	5.52E-06	6.50E-07	2.81E-07	9.31E-07	4.80E-07	1.60E-07	6.40E-07
1564	609783.64	4170692.79	3.97E-06	1.63E-06	5.60E-06	6.59E-07	2.85E-07	9.44E-07	4.86E-07	1.63E-07	6.49E-07
1565	609783.78	4170683.35	4.00E-06	1.65E-06	5.65E-06	6.65E-07	2.87E-07	9.52E-07	4.91E-07	1.64E-07	6.55E-07
1566	609783.92	4170673.91	4.02E-06	1.65E-06	5.67E-06	6.67E-07	2.88E-07	9.56E-07	4.93E-07	1.65E-07	6.57E-07
1567	609784.06	4170664.47	4.01E-06	1.65E-06	5.66E-06	6.66E-07	2.88E-07	9.54E-07	4.92E-07	1.64E-07	6.56E-07
1568	609784.2	4170655.03	3.98E-06	1.64E-06	5.62E-06	6.61E-07	2.86E-07	9.47E-07	4.88E-07	1.63E-07	6.51E-07
1569	609784.35	4170645.59	3.93E-06	1.61E-06	5.54E-06	6.52E-07	2.82E-07	9.34E-07	4.81E-07	1.61E-07	6.42E-07
1570	609784.49	4170636.15	3.85E-06	1.58E-06	5.43E-06	6.39E-07	2.76E-07	9.15E-07	4.72E-07	1.58E-07	6.30E-07
1571	609784.63	4170626.71	3.74E-06	1.54E-06	5.28E-06	6.22E-07	2.69E-07	8.90E-07	4.59E-07	1.53E-07	6.12E-07

1572	609789.51	4170739	3.40E-06	1.40E-06	4.79E-06	5.64E-07	2.44E-07	8.08E-07	4.17E-07	1.39E-07	5.56E-07
1573	609782.39	4170755.6	3.36E-06	1.38E-06	4.75E-06	5.59E-07	2.41E-07	8.00E-07	4.12E-07	1.38E-07	5.50E-07
1574	609778.83	4170763.9	3.33E-06	1.37E-06	4.70E-06	5.54E-07	2.39E-07	7.93E-07	4.09E-07	1.37E-07	5.45E-07
1575	609771.71	4170780.51	3.24E-06	1.33E-06	4.57E-06	5.39E-07	2.33E-07	7.71E-07	3.97E-07	1.33E-07	5.30E-07
1576	609764.59	4170797.11	3.12E-06	1.28E-06	4.40E-06	5.18E-07	2.24E-07	7.42E-07	3.82E-07	1.28E-07	5.10E-07
1577	609761.03	4170805.41	3.05E-06	1.25E-06	4.30E-06	5.06E-07	2.19E-07	7.25E-07	3.73E-07	1.25E-07	4.98E-07
1578	609753.92	4170822.01	2.89E-06	1.19E-06	4.07E-06	4.79E-07	2.07E-07	6.87E-07	3.54E-07	1.18E-07	4.72E-07
1579	609746.8	4170838.61	2.71E-06	1.11E-06	3.83E-06	4.51E-07	1.95E-07	6.45E-07	3.33E-07	1.11E-07	4.44E-07
1580	609743.24	4170846.91	2.62E-06	1.08E-06	3.70E-06	4.36E-07	1.88E-07	6.24E-07	3.21E-07	1.07E-07	4.29E-07
1581	609727.75	4170866.9	2.47E-06	1.01E-06	3.48E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
1582	609711.02	4170873.7	2.50E-06	1.03E-06	3.53E-06	4.15E-07	1.79E-07	5.95E-07	3.07E-07	1.03E-07	4.09E-07
1583	609694.28	4170880.49	2.51E-06	1.03E-06	3.54E-06	4.17E-07	1.80E-07	5.97E-07	3.08E-07	1.03E-07	4.11E-07
1584	609685.91	4170883.89	2.51E-06	1.03E-06	3.54E-06	4.16E-07	1.80E-07	5.96E-07	3.07E-07	1.03E-07	4.10E-07
1585	609669.17	4170890.68	2.48E-06	1.02E-06	3.49E-06	4.11E-07	1.78E-07	5.89E-07	3.04E-07	1.02E-07	4.05E-07
1586	609652.44	4170897.47	2.42E-06	9.94E-07	3.41E-06	4.02E-07	1.73E-07	5.75E-07	2.96E-07	9.91E-08	3.95E-07
1587	609635.7	4170904.26	2.33E-06	9.58E-07	3.29E-06	3.87E-07	1.67E-07	5.55E-07	2.86E-07	9.56E-08	3.81E-07
1588	609627.33	4170907.66	2.28E-06	9.37E-07	3.22E-06	3.79E-07	1.64E-07	5.42E-07	2.79E-07	9.34E-08	3.73E-07
1589	609793.21	4170721.26	3.49E-06	1.43E-06	4.92E-06	5.79E-07	2.50E-07	8.29E-07	4.27E-07	1.43E-07	5.70E-07
1590	609793.35	4170711.82	3.56E-06	1.46E-06	5.02E-06	5.91E-07	2.55E-07	8.47E-07	4.37E-07	1.46E-07	5.82E-07
1591	609793.49	4170702.38	3.62E-06	1.49E-06	5.11E-06	6.02E-07	2.60E-07	8.62E-07	4.44E-07	1.49E-07	5.93E-07
1592	609793.64	4170692.94	3.67E-06	1.51E-06	5.18E-06	6.10E-07	2.63E-07	8.73E-07	4.50E-07	1.51E-07	6.01E-07
1593	609793.78	4170683.5	3.70E-06	1.52E-06	5.23E-06	6.15E-07	2.66E-07	8.81E-07	4.54E-07	1.52E-07	6.06E-07
1594	609793.92	4170674.06	3.72E-06	1.53E-06	5.25E-06	6.18E-07	2.67E-07	8.84E-07	4.56E-07	1.52E-07	6.08E-07
1595	609794.06	4170664.62	3.71E-06	1.53E-06	5.24E-06	6.17E-07	2.67E-07	8.83E-07	4.55E-07	1.52E-07	6.08E-07
1596	609794.2	4170655.18	3.69E-06	1.52E-06	5.21E-06	6.13E-07	2.65E-07	8.78E-07	4.52E-07	1.51E-07	6.04E-07
1597	609794.34	4170645.74	3.65E-06	1.50E-06	5.14E-06	6.06E-07	2.62E-07	8.67E-07	4.47E-07	1.49E-07	5.96E-07
1598	609794.49	4170636.3	3.58E-06	1.47E-06	5.05E-06	5.95E-07	2.57E-07	8.51E-07	4.39E-07	1.47E-07	5.86E-07
1599	609794.63	4170626.86	3.49E-06	1.43E-06	4.93E-06	5.80E-07	2.50E-07	8.30E-07	4.28E-07	1.43E-07	5.71E-07
1600	609799.54	4170739.08	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.54E-07	3.88E-07	1.30E-07	5.18E-07
1601	609792.49	4170755.52	3.14E-06	1.29E-06	4.43E-06	5.22E-07	2.25E-07	7.47E-07	3.85E-07	1.29E-07	5.14E-07
1602	609785.44	4170771.97	3.08E-06	1.27E-06	4.35E-06	5.12E-07	2.21E-07	7.34E-07	3.78E-07	1.26E-07	5.05E-07
1603	609778.38	4170788.42	3.00E-06	1.23E-06	4.23E-06	4.98E-07	2.15E-07	7.12E-07	3.67E-07	1.23E-07	4.90E-07
1604	609771.33	4170804.86	2.88E-06	1.18E-06	4.06E-06	4.78E-07	2.07E-07	6.85E-07	3.53E-07	1.18E-07	4.71E-07
1605	609764.28	4170821.31	2.74E-06	1.13E-06	3.87E-06	4.56E-07	1.97E-07	6.53E-07	3.36E-07	1.12E-07	4.49E-07
1606	609757.23	4170837.76	2.59E-06	1.07E-06	3.66E-06	4.31E-07	1.86E-07	6.17E-07	3.18E-07	1.06E-07	4.24E-07
1607	609750.17	4170854.2	2.43E-06	1.00E-06	3.43E-06	4.04E-07	1.75E-07	5.79E-07	2.98E-07	9.98E-08	3.98E-07
1608	609734.83	4170874.01	2.30E-06	9.43E-07	3.24E-06	3.81E-07	1.65E-07	5.46E-07	2.81E-07	9.41E-08	3.75E-07
1609	609718.25	4170880.74	2.33E-06	9.57E-07	3.28E-06	3.87E-07	1.67E-07	5.54E-07	2.85E-07	9.54E-08	3.81E-07
1610	609701.67	4170887.47	2.34E-06	9.62E-07	3.30E-06	3.89E-07	1.68E-07	5.56E-07	2.87E-07	9.59E-08	3.83E-07
1611	609685.09	4170894.2	2.33E-06	9.57E-07	3.28E-06	3.87E-07	1.67E-07	5.54E-07	2.85E-07	9.54E-08	3.81E-07
1612	609668.51	4170900.93	2.29E-06	9.42E-07	3.23E-06	3.81E-07	1.64E-07	5.45E-07	2.81E-07	9.40E-08	3.75E-07
1613	609651.93	4170907.66	2.23E-06	9.17E-07	3.15E-06	3.71E-07	1.60E-07	5.31E-07	2.74E-07	9.15E-08	3.65E-07
1614	609635.34	4170914.39	2.15E-06	8.83E-07	3.03E-06	3.57E-07	1.54E-07	5.11E-07	2.64E-07	8.81E-08	3.52E-07
1615	609618.76	4170921.12	2.05E-06	8.41E-07	2.89E-06	3.40E-07	1.47E-07	4.87E-07	2.51E-07	8.39E-08	3.35E-07
1616	609803.21	4170721.41	3.24E-06	1.33E-06	4.58E-06	5.39E-07	2.33E-07	7.72E-07	3.98E-07	1.33E-07	5.31E-07
1617	609803.35	4170711.97	3.31E-06	1.36E-06	4.67E-06	5.50E-07	2.38E-07	7.87E-07	4.06E-07	1.36E-07	5.42E-07
1618	609803.49	4170702.53	3.37E-06	1.38E-06	4.75E-06	5.59E-07	2.42E-07	8.01E-07	4.13E-07	1.38E-07	5.51E-07
1619	609803.63	4170693.09	3.41E-06	1.40E-06	4.81E-06	5.66E-07	2.45E-07	8.11E-07	4.18E-07	1.40E-07	5.58E-07
1620	609803.78	4170683.65	3.44E-06	1.41E-06	4.85E-06	5.71E-07	2.47E-07	8.18E-07	4.22E-07	1.41E-07	5.62E-07
1621	609803.92	4170674.21	3.45E-06	1.42E-06	4.87E-06	5.73E-07	2.48E-07	8.21E-07	4.23E-07	1.42E-07	5.65E-07
1622	609804.06	4170664.77	3.45E-06	1.42E-06	4.87E-06	5.73E-07	2.48E-07	8.21E-07	4.23E-07	1.41E-07	5.64E-07
1623	609804.2	4170655.33	3.43E-06	1.41E-06	4.84E-06	5.70E-07	2.46E-07	8.16E-07	4.21E-07	1.41E-07	5.61E-07
1624	609804.34	4170645.89	3.39E-06	1.40E-06	4.79E-06	5.64E-07	2.44E-07	8.07E-07	4.16E-07	1.39E-07	5.55E-07
1625	609804.49	4170636.45	3.34E-06	1.37E-06	4.71E-06	5.55E-07	2.40E-07	7.94E-07	4.09E-07	1.37E-07	5.46E-07
1626	609804.63	4170627.01	3.26E-06	1.34E-06	4.60E-06	5.42E-07	2.34E-07	7.76E-07	4.00E-07	1.34E-07	5.34E-07
1627	609809.36	4170739.64	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.04E-07	3.63E-07	1.21E-07	4.85E-07
1628	609805.66	4170748.27	2.95E-06	1.21E-06	4.17E-06	4.91E-07	2.12E-07	7.03E-07	3.62E-07	1.21E-07	4.83E-07
1629	609801.96	4170756.91	2.94E-06	1.21E-06	4.15E-06	4.88E-07	2.11E-07	6.99E-07	3.60E-07	1.20E-07	4.81E-07
1630	609798.26	4170765.54	2.91E-06	1.20E-06	4.11E-06	4.84E-07	2.09E-07	6.93E-07	3.57E-07	1.19E-07	4.77E-07
1631	609794.55	4170774.18	2.88E-06	1.19E-06	4.07E-06	4.79E-07	2.07E-07	6.86E-07	3.54E-07	1.18E-07	4.72E-07
1632	609790.85	4170782.81	2.85E-06	1.17E-06	4.02E-06	4.73E-07	2.04E-07	6.77E-07	3.49E-07	1.17E-07	4.66E-07
1633	609787.15	4170791.44	2.80E-06	1.15E-06	3.95E-06	4.66E-07	2.01E-07	6.67E-07	3.44E-07	1.15E-07	4.59E-07
1634	609783.45	4170800.08	2.75E-06	1.13E-06	3.88E-06	4.57E-07	1.97E-07	6.55E-07	3.37E-07	1.13E-07	4.50E-07

1635	609779.74	4170808.71	2.69E-06	1.11E-06	3.80E-06	4.48E-07	1.93E-07	6.41E-07	3.30E-07	1.10E-07	4.41E-07
1636	609776.04	4170817.35	2.63E-06	1.08E-06	3.72E-06	4.37E-07	1.89E-07	6.26E-07	3.23E-07	1.08E-07	4.31E-07
1637	609772.34	4170825.98	2.57E-06	1.06E-06	3.62E-06	4.26E-07	1.84E-07	6.11E-07	3.15E-07	1.05E-07	4.20E-07
1638	609768.64	4170834.62	2.50E-06	1.03E-06	3.52E-06	4.15E-07	1.79E-07	5.94E-07	3.06E-07	1.02E-07	4.09E-07
1639	609764.93	4170843.25	2.43E-06	9.97E-07	3.42E-06	4.03E-07	1.74E-07	5.77E-07	2.97E-07	9.94E-08	3.97E-07
1640	609761.23	4170851.88	2.35E-06	9.66E-07	3.32E-06	3.91E-07	1.69E-07	5.59E-07	2.88E-07	9.64E-08	3.85E-07
1641	609757.53	4170860.52	2.28E-06	9.35E-07	3.21E-06	3.78E-07	1.63E-07	5.41E-07	2.79E-07	9.33E-08	3.72E-07
1642	609753.83	4170869.15	2.20E-06	9.04E-07	3.10E-06	3.65E-07	1.58E-07	5.23E-07	2.70E-07	9.01E-08	3.60E-07
1643	609741.42	4170881.32	2.14E-06	8.81E-07	3.02E-06	3.56E-07	1.54E-07	5.10E-07	2.63E-07	8.79E-08	3.51E-07
1644	609732.71	4170884.85	2.16E-06	8.88E-07	3.05E-06	3.59E-07	1.55E-07	5.14E-07	2.65E-07	8.86E-08	3.54E-07
1645	609724.01	4170888.39	2.17E-06	8.94E-07	3.07E-06	3.61E-07	1.56E-07	5.17E-07	2.67E-07	8.91E-08	3.56E-07
1646	609715.3	4170891.92	2.18E-06	8.97E-07	3.08E-06	3.62E-07	1.57E-07	5.19E-07	2.67E-07	8.94E-08	3.57E-07
1647	609706.6	4170895.45	2.18E-06	8.98E-07	3.08E-06	3.63E-07	1.57E-07	5.20E-07	2.68E-07	8.95E-08	3.57E-07
1648	609697.89	4170898.99	2.18E-06	8.96E-07	3.08E-06	3.62E-07	1.56E-07	5.19E-07	2.67E-07	8.94E-08	3.57E-07
1649	609689.19	4170902.52	2.17E-06	8.93E-07	3.06E-06	3.61E-07	1.56E-07	5.17E-07	2.66E-07	8.90E-08	3.55E-07
1650	609680.48	4170906.05	2.16E-06	8.87E-07	3.04E-06	3.58E-07	1.55E-07	5.13E-07	2.64E-07	8.84E-08	3.53E-07
1651	609671.78	4170909.58	2.14E-06	8.78E-07	3.01E-06	3.55E-07	1.53E-07	5.08E-07	2.62E-07	8.76E-08	3.50E-07
1652	609663.07	4170913.12	2.11E-06	8.67E-07	2.98E-06	3.50E-07	1.51E-07	5.02E-07	2.59E-07	8.65E-08	3.45E-07
1653	609654.37	4170916.65	2.08E-06	8.54E-07	2.93E-06	3.45E-07	1.49E-07	4.94E-07	2.55E-07	8.52E-08	3.40E-07
1654	609645.66	4170920.18	2.04E-06	8.38E-07	2.88E-06	3.39E-07	1.46E-07	4.85E-07	2.50E-07	8.36E-08	3.34E-07
1655	609636.96	4170923.72	2.00E-06	8.21E-07	2.82E-06	3.32E-07	1.43E-07	4.75E-07	2.45E-07	8.18E-08	3.27E-07
1656	609628.25	4170927.25	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	7.99E-08	3.19E-07
1657	609619.55	4170930.78	1.90E-06	7.80E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.33E-07	7.78E-08	3.10E-07
1658	609813.07	4170731	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.12E-07	7.04E-07	3.63E-07	1.21E-07	4.84E-07
1659	609813.21	4170721.56	3.03E-06	1.24E-06	4.27E-06	5.03E-07	2.17E-07	7.20E-07	3.71E-07	1.24E-07	4.95E-07
1660	609813.35	4170712.12	3.09E-06	1.27E-06	4.35E-06	5.13E-07	2.21E-07	7.34E-07	3.78E-07	1.26E-07	5.05E-07
1661	609813.49	4170702.68	3.14E-06	1.29E-06	4.42E-06	5.21E-07	2.25E-07	7.46E-07	3.84E-07	1.29E-07	5.13E-07
1662	609813.63	4170693.24	3.17E-06	1.30E-06	4.48E-06	5.27E-07	2.28E-07	7.55E-07	3.89E-07	1.30E-07	5.19E-07
1663	609813.78	4170683.8	3.20E-06	1.32E-06	4.52E-06	5.32E-07	2.30E-07	7.61E-07	3.92E-07	1.31E-07	5.24E-07
1664	609813.92	4170674.36	3.21E-06	1.32E-06	4.54E-06	5.34E-07	2.31E-07	7.65E-07	3.94E-07	1.32E-07	5.26E-07
1665	609814.06	4170664.92	3.21E-06	1.32E-06	4.53E-06	5.34E-07	2.31E-07	7.64E-07	3.94E-07	1.32E-07	5.26E-07
1666	609814.2	4170655.48	3.20E-06	1.31E-06	4.51E-06	5.31E-07	2.30E-07	7.61E-07	3.92E-07	1.31E-07	5.23E-07
1667	609814.34	4170646.04	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.54E-07	3.88E-07	1.30E-07	5.18E-07
1668	609814.48	4170636.6	3.12E-06	1.28E-06	4.40E-06	5.18E-07	2.24E-07	7.42E-07	3.83E-07	1.28E-07	5.11E-07
1669	609814.63	4170627.16	3.06E-06	1.26E-06	4.31E-06	5.07E-07	2.19E-07	7.27E-07	3.75E-07	1.25E-07	5.00E-07
1670	609819.4	4170739.7	2.77E-06	1.14E-06	3.91E-06	4.61E-07	1.99E-07	6.60E-07	3.40E-07	1.14E-07	4.54E-07
1671	609815.74	4170748.24	2.77E-06	1.14E-06	3.91E-06	4.60E-07	1.99E-07	6.59E-07	3.40E-07	1.14E-07	4.53E-07
1672	609812.08	4170756.78	2.76E-06	1.13E-06	3.89E-06	4.58E-07	1.98E-07	6.56E-07	3.38E-07	1.13E-07	4.51E-07
1673	609808.41	4170765.33	2.74E-06	1.13E-06	3.86E-06	4.55E-07	1.97E-07	6.51E-07	3.36E-07	1.12E-07	4.48E-07
1674	609804.75	4170773.87	2.71E-06	1.12E-06	3.83E-06	4.51E-07	1.95E-07	6.45E-07	3.33E-07	1.11E-07	4.44E-07
1675	609801.09	4170782.41	2.68E-06	1.10E-06	3.78E-06	4.46E-07	1.92E-07	6.38E-07	3.29E-07	1.10E-07	4.39E-07
1676	609797.42	4170790.96	2.65E-06	1.09E-06	3.73E-06	4.39E-07	1.90E-07	6.29E-07	3.24E-07	1.08E-07	4.33E-07
1677	609793.76	4170799.5	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.26E-07
1678	609790.09	4170808.04	2.55E-06	1.05E-06	3.60E-06	4.24E-07	1.83E-07	6.08E-07	3.13E-07	1.05E-07	4.18E-07
1679	609786.43	4170816.58	2.50E-06	1.03E-06	3.53E-06	4.16E-07	1.80E-07	5.95E-07	3.07E-07	1.03E-07	4.09E-07
1680	609782.77	4170825.13	2.45E-06	1.01E-06	3.45E-06	4.06E-07	1.75E-07	5.82E-07	3.00E-07	1.00E-07	4.00E-07
1681	609779.1	4170833.67	2.39E-06	9.81E-07	3.37E-06	3.96E-07	1.71E-07	5.67E-07	2.93E-07	9.78E-08	3.90E-07
1682	609775.44	4170842.21	2.32E-06	9.55E-07	3.28E-06	3.86E-07	1.67E-07	5.53E-07	2.85E-07	9.52E-08	3.80E-07
1683	609771.78	4170850.76	2.26E-06	9.28E-07	3.19E-06	3.75E-07	1.62E-07	5.37E-07	2.77E-07	9.26E-08	3.69E-07
1684	609768.11	4170859.3	2.19E-06	9.01E-07	3.09E-06	3.64E-07	1.57E-07	5.21E-07	2.69E-07	8.98E-08	3.59E-07
1685	609764.45	4170867.84	2.12E-06	8.73E-07	3.00E-06	3.53E-07	1.52E-07	5.05E-07	2.60E-07	8.70E-08	3.47E-07
1686	609760.79	4170876.38	2.05E-06	8.44E-07	2.90E-06	3.41E-07	1.47E-07	4.89E-07	2.52E-07	8.42E-08	3.36E-07
1687	609748.51	4170888.42	2.01E-06	8.24E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.22E-08	3.28E-07
1688	609739.9	4170891.92	2.02E-06	8.31E-07	2.85E-06	3.36E-07	1.45E-07	4.81E-07	2.48E-07	8.29E-08	3.31E-07
1689	609731.29	4170895.41	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.34E-08	3.33E-07
1690	609722.67	4170898.91	2.04E-06	8.39E-07	2.88E-06	3.39E-07	1.46E-07	4.85E-07	2.50E-07	8.37E-08	3.34E-07
1691	609714.06	4170902.41	2.04E-06	8.40E-07	2.88E-06	3.40E-07	1.47E-07	4.86E-07	2.51E-07	8.38E-08	3.34E-07
1692	609705.45	4170905.9	2.04E-06	8.39E-07	2.88E-06	3.39E-07	1.47E-07	4.86E-07	2.50E-07	8.37E-08	3.34E-07
1693	609696.83	4170909.4	2.04E-06	8.37E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.50E-07	8.34E-08	3.33E-07
1694	609688.22	4170912.89	2.02E-06	8.32E-07	2.86E-06	3.36E-07	1.45E-07	4.81E-07	2.48E-07	8.30E-08	3.31E-07
1695	609679.61	4170916.39	2.01E-06	8.25E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.23E-08	3.28E-07
1696	609671	4170919.88	1.99E-06	8.16E-07	2.80E-06	3.30E-07	1.42E-07	4.72E-07	2.43E-07	8.14E-08	3.25E-07
1697	609662.38	4170923.38	1.96E-06	8.05E-07	2.76E-06	3.25E-07	1.41E-07	4.66E-07	2.40E-07	8.03E-08	3.20E-07

1698	609653.77	4170926.87	1.93E-06	7.92E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.90E-08	3.15E-07
1699	609645.16	4170930.37	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.50E-07	2.32E-07	7.75E-08	3.09E-07
1700	609636.54	4170933.87	1.85E-06	7.60E-07	2.61E-06	3.07E-07	1.33E-07	4.40E-07	2.27E-07	7.58E-08	3.03E-07
1701	609627.93	4170937.36	1.80E-06	7.42E-07	2.55E-06	3.00E-07	1.30E-07	4.29E-07	2.21E-07	7.40E-08	2.95E-07
1702	609619.32	4170940.86	1.76E-06	7.22E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.15E-07	7.20E-08	2.87E-07
1703	609823.07	4170731.15	2.77E-06	1.14E-06	3.91E-06	4.60E-07	1.99E-07	6.59E-07	3.40E-07	1.14E-07	4.53E-07
1704	609823.21	4170721.71	2.83E-06	1.16E-06	4.00E-06	4.70E-07	2.03E-07	6.74E-07	3.47E-07	1.16E-07	4.63E-07
1705	609823.35	4170712.27	2.88E-06	1.19E-06	4.07E-06	4.79E-07	2.07E-07	6.86E-07	3.54E-07	1.18E-07	4.72E-07
1706	609823.49	4170702.83	2.93E-06	1.20E-06	4.13E-06	4.86E-07	2.10E-07	6.97E-07	3.59E-07	1.20E-07	4.79E-07
1707	609823.63	4170693.39	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.05E-07	3.63E-07	1.21E-07	4.85E-07
1708	609823.77	4170683.95	2.99E-06	1.23E-06	4.22E-06	4.96E-07	2.14E-07	7.11E-07	3.66E-07	1.22E-07	4.89E-07
1709	609823.92	4170674.51	3.00E-06	1.23E-06	4.23E-06	4.98E-07	2.15E-07	7.14E-07	3.68E-07	1.23E-07	4.91E-07
1710	609824.06	4170665.07	3.00E-06	1.23E-06	4.23E-06	4.99E-07	2.15E-07	7.14E-07	3.68E-07	1.23E-07	4.91E-07
1711	609824.2	4170655.63	2.99E-06	1.23E-06	4.22E-06	4.97E-07	2.14E-07	7.11E-07	3.66E-07	1.23E-07	4.89E-07
1712	609824.34	4170646.19	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.05E-07	3.63E-07	1.21E-07	4.85E-07
1713	609824.48	4170636.75	2.92E-06	1.20E-06	4.13E-06	4.86E-07	2.10E-07	6.96E-07	3.59E-07	1.20E-07	4.78E-07
1714	609824.63	4170627.31	2.87E-06	1.18E-06	4.05E-06	4.76E-07	2.06E-07	6.82E-07	3.52E-07	1.18E-07	4.69E-07
1715	609829.44	4170739.77	2.60E-06	1.07E-06	3.68E-06	4.33E-07	1.87E-07	6.20E-07	3.19E-07	1.07E-07	4.26E-07
1716	609825.81	4170748.23	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.26E-07
1717	609822.18	4170756.69	2.59E-06	1.07E-06	3.66E-06	4.31E-07	1.86E-07	6.17E-07	3.18E-07	1.06E-07	4.24E-07
1718	609818.55	4170765.15	2.58E-06	1.06E-06	3.64E-06	4.28E-07	1.85E-07	6.13E-07	3.16E-07	1.06E-07	4.22E-07
1719	609814.92	4170773.61	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.83E-07	6.08E-07	3.13E-07	1.05E-07	4.18E-07
1720	609811.29	4170782.07	2.53E-06	1.04E-06	3.57E-06	4.20E-07	1.82E-07	6.02E-07	3.10E-07	1.04E-07	4.14E-07
1721	609807.67	4170790.53	2.50E-06	1.03E-06	3.53E-06	4.15E-07	1.79E-07	5.95E-07	3.06E-07	1.02E-07	4.09E-07
1722	609804.04	4170798.99	2.46E-06	1.01E-06	3.48E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
1723	609800.41	4170807.46	2.42E-06	9.96E-07	3.42E-06	4.02E-07	1.74E-07	5.76E-07	2.97E-07	9.93E-08	3.96E-07
1724	609796.78	4170815.92	2.38E-06	9.77E-07	3.36E-06	3.95E-07	1.71E-07	5.66E-07	2.92E-07	9.75E-08	3.89E-07
1725	609793.15	4170824.38	2.33E-06	9.57E-07	3.29E-06	3.87E-07	1.67E-07	5.54E-07	2.86E-07	9.55E-08	3.81E-07
1726	609789.52	4170832.84	2.28E-06	9.36E-07	3.21E-06	3.78E-07	1.63E-07	5.42E-07	2.79E-07	9.34E-08	3.73E-07
1727	609785.9	4170841.3	2.22E-06	9.14E-07	3.14E-06	3.69E-07	1.60E-07	5.29E-07	2.73E-07	9.11E-08	3.64E-07
1728	609782.27	4170849.76	2.17E-06	8.90E-07	3.06E-06	3.60E-07	1.55E-07	5.15E-07	2.66E-07	8.88E-08	3.54E-07
1729	609778.64	4170858.22	2.11E-06	8.66E-07	2.97E-06	3.50E-07	1.51E-07	5.01E-07	2.58E-07	8.64E-08	3.45E-07
1730	609775.01	4170866.68	2.05E-06	8.42E-07	2.89E-06	3.40E-07	1.47E-07	4.87E-07	2.51E-07	8.39E-08	3.35E-07
1731	609771.38	4170875.14	1.99E-06	8.16E-07	2.80E-06	3.30E-07	1.43E-07	4.73E-07	2.44E-07	8.14E-08	3.25E-07
1732	609767.75	4170883.61	1.92E-06	7.91E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.89E-08	3.15E-07
1733	609755.6	4170895.53	1.88E-06	7.73E-07	2.65E-06	3.12E-07	1.35E-07	4.47E-07	2.31E-07	7.71E-08	3.08E-07
1734	609747.07	4170898.99	1.90E-06	7.79E-07	2.67E-06	3.15E-07	1.36E-07	4.51E-07	2.32E-07	7.77E-08	3.10E-07
1735	609738.53	4170902.45	1.91E-06	7.84E-07	2.69E-06	3.17E-07	1.37E-07	4.53E-07	2.34E-07	7.81E-08	3.12E-07
1736	609730	4170905.92	1.91E-06	7.87E-07	2.70E-06	3.18E-07	1.37E-07	4.55E-07	2.35E-07	7.84E-08	3.13E-07
1737	609721.47	4170909.38	1.92E-06	7.88E-07	2.70E-06	3.18E-07	1.38E-07	4.56E-07	2.35E-07	7.86E-08	3.14E-07
1738	609712.94	4170912.84	1.92E-06	7.88E-07	2.70E-06	3.18E-07	1.38E-07	4.56E-07	2.35E-07	7.86E-08	3.14E-07
1739	609704.41	4170916.3	1.91E-06	7.86E-07	2.70E-06	3.18E-07	1.37E-07	4.55E-07	2.34E-07	7.84E-08	3.13E-07
1740	609695.88	4170919.76	1.90E-06	7.82E-07	2.68E-06	3.16E-07	1.37E-07	4.52E-07	2.33E-07	7.80E-08	3.11E-07
1741	609687.35	4170923.23	1.89E-06	7.76E-07	2.66E-06	3.14E-07	1.36E-07	4.49E-07	2.32E-07	7.74E-08	3.09E-07
1742	609678.82	4170926.69	1.87E-06	7.69E-07	2.64E-06	3.11E-07	1.34E-07	4.45E-07	2.29E-07	7.67E-08	3.06E-07
1743	609670.29	4170930.15	1.85E-06	7.60E-07	2.61E-06	3.07E-07	1.33E-07	4.40E-07	2.27E-07	7.57E-08	3.02E-07
1744	609661.76	4170933.61	1.82E-06	7.49E-07	2.57E-06	3.03E-07	1.31E-07	4.33E-07	2.23E-07	7.47E-08	2.98E-07
1745	609653.23	4170937.07	1.79E-06	7.36E-07	2.53E-06	2.97E-07	1.28E-07	4.26E-07	2.19E-07	7.34E-08	2.93E-07
1746	609644.7	4170940.54	1.76E-06	7.21E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.15E-07	7.20E-08	2.87E-07
1747	609636.17	4170944	1.72E-06	7.06E-07	2.42E-06	2.85E-07	1.23E-07	4.08E-07	2.10E-07	7.04E-08	2.81E-07
1748	609627.64	4170947.46	1.68E-06	6.88E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.87E-08	2.74E-07
1749	609619.11	4170950.92	1.63E-06	6.70E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.68E-08	2.67E-07
1750	609833.06	4170731.3	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.26E-07
1751	609833.21	4170721.86	2.65E-06	1.09E-06	3.75E-06	4.41E-07	1.90E-07	6.31E-07	3.25E-07	1.09E-07	4.34E-07
1752	609833.35	4170712.42	2.70E-06	1.11E-06	3.81E-06	4.49E-07	1.94E-07	6.43E-07	3.31E-07	1.11E-07	4.42E-07
1753	609833.49	4170702.98	2.74E-06	1.13E-06	3.87E-06	4.55E-07	1.97E-07	6.52E-07	3.36E-07	1.12E-07	4.48E-07
1754	609833.63	4170693.54	2.77E-06	1.14E-06	3.91E-06	4.61E-07	1.99E-07	6.60E-07	3.40E-07	1.14E-07	4.54E-07
1755	609833.77	4170684.1	2.80E-06	1.15E-06	3.94E-06	4.64E-07	2.01E-07	6.65E-07	3.43E-07	1.15E-07	4.57E-07
1756	609833.91	4170674.66	2.81E-06	1.15E-06	3.96E-06	4.66E-07	2.01E-07	6.68E-07	3.44E-07	1.15E-07	4.59E-07
1757	609834.06	4170665.22	2.81E-06	1.15E-06	3.96E-06	4.67E-07	2.02E-07	6.68E-07	3.44E-07	1.15E-07	4.60E-07
1758	609834.2	4170655.78	2.80E-06	1.15E-06	3.95E-06	4.65E-07	2.01E-07	6.66E-07	3.43E-07	1.15E-07	4.58E-07
1759	609834.34	4170646.34	2.78E-06	1.14E-06	3.92E-06	4.62E-07	1.99E-07	6.61E-07	3.41E-07	1.14E-07	4.55E-07
1760	609834.48	4170636.9	2.74E-06	1.13E-06	3.87E-06	4.56E-07	1.97E-07	6.53E-07	3.37E-07	1.13E-07	4.49E-07

1761	609834.62	4170627.46	2.70E-06	1.11E-06	3.80E-06	4.48E-07	1.93E-07	6.41E-07	3.30E-07	1.10E-07	4.41E-07
1762	609839.47	4170739.84	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.00E-07	1.00E-07	4.01E-07
1763	609835.87	4170748.23	2.45E-06	1.01E-06	3.45E-06	4.07E-07	1.76E-07	5.82E-07	3.00E-07	1.00E-07	4.01E-07
1764	609832.27	4170756.62	2.44E-06	1.00E-06	3.44E-06	4.06E-07	1.75E-07	5.81E-07	2.99E-07	1.00E-07	3.99E-07
1765	609828.68	4170765.01	2.43E-06	9.98E-07	3.43E-06	4.03E-07	1.74E-07	5.78E-07	2.98E-07	9.96E-08	3.97E-07
1766	609825.08	4170773.39	2.41E-06	9.91E-07	3.40E-06	4.01E-07	1.73E-07	5.74E-07	2.96E-07	9.89E-08	3.95E-07
1767	609817.89	4170790.17	2.36E-06	9.71E-07	3.33E-06	3.93E-07	1.70E-07	5.62E-07	2.90E-07	9.69E-08	3.87E-07
1768	609810.69	4170806.94	2.30E-06	9.45E-07	3.24E-06	3.82E-07	1.65E-07	5.47E-07	2.82E-07	9.42E-08	3.76E-07
1769	609803.5	4170823.72	2.22E-06	9.12E-07	3.13E-06	3.69E-07	1.59E-07	5.28E-07	2.72E-07	9.10E-08	3.63E-07
1770	609799.9	4170832.11	2.17E-06	8.94E-07	3.07E-06	3.61E-07	1.56E-07	5.17E-07	2.67E-07	8.91E-08	3.56E-07
1771	609796.31	4170840.49	2.13E-06	8.74E-07	3.00E-06	3.53E-07	1.53E-07	5.06E-07	2.61E-07	8.72E-08	3.48E-07
1772	609792.71	4170848.88	2.08E-06	8.54E-07	2.93E-06	3.45E-07	1.49E-07	4.94E-07	2.55E-07	8.51E-08	3.40E-07
1773	609785.51	4170865.66	1.97E-06	8.11E-07	2.78E-06	3.28E-07	1.42E-07	4.69E-07	2.42E-07	8.08E-08	3.23E-07
1774	609778.32	4170882.43	1.86E-06	7.66E-07	2.63E-06	3.09E-07	1.34E-07	4.43E-07	2.28E-07	7.64E-08	3.05E-07
1775	609762.67	4170902.64	1.77E-06	7.26E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.17E-07	7.24E-08	2.89E-07
1776	609754.22	4170906.07	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.23E-07	2.18E-07	7.30E-08	2.91E-07
1777	609745.76	4170909.5	1.79E-06	7.36E-07	2.53E-06	2.97E-07	1.29E-07	4.26E-07	2.20E-07	7.34E-08	2.93E-07
1778	609737.3	4170912.94	1.80E-06	7.39E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.20E-07	7.37E-08	2.94E-07
1779	609728.85	4170916.37	1.80E-06	7.40E-07	2.54E-06	2.99E-07	1.29E-07	4.29E-07	2.21E-07	7.38E-08	2.95E-07
1780	609720.39	4170919.8	1.80E-06	7.41E-07	2.54E-06	2.99E-07	1.29E-07	4.29E-07	2.21E-07	7.39E-08	2.95E-07
1781	609711.93	4170923.23	1.80E-06	7.39E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.20E-07	7.37E-08	2.94E-07
1782	609703.48	4170926.66	1.79E-06	7.36E-07	2.53E-06	2.97E-07	1.29E-07	4.26E-07	2.20E-07	7.34E-08	2.93E-07
1783	609695.02	4170930.1	1.78E-06	7.31E-07	2.51E-06	2.96E-07	1.28E-07	4.23E-07	2.18E-07	7.30E-08	2.91E-07
1784	609686.56	4170933.53	1.76E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.16E-07	7.23E-08	2.89E-07
1785	609678.11	4170936.96	1.75E-06	7.18E-07	2.46E-06	2.90E-07	1.25E-07	4.15E-07	2.14E-07	7.16E-08	2.86E-07
1786	609669.65	4170940.39	1.72E-06	7.08E-07	2.43E-06	2.86E-07	1.24E-07	4.10E-07	2.11E-07	7.06E-08	2.82E-07
1787	609661.2	4170943.82	1.70E-06	6.97E-07	2.39E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
1788	609652.74	4170947.26	1.67E-06	6.85E-07	2.35E-06	2.77E-07	1.20E-07	3.96E-07	2.04E-07	6.83E-08	2.73E-07
1789	609644.28	4170950.69	1.63E-06	6.71E-07	2.30E-06	2.71E-07	1.17E-07	3.89E-07	2.00E-07	6.70E-08	2.67E-07
1790	609635.83	4170954.12	1.60E-06	6.56E-07	2.25E-06	2.65E-07	1.15E-07	3.80E-07	1.96E-07	6.55E-08	2.61E-07
1791	609627.37	4170957.55	1.56E-06	6.40E-07	2.20E-06	2.59E-07	1.12E-07	3.71E-07	1.91E-07	6.39E-08	2.55E-07
1792	609618.91	4170960.98	1.52E-06	6.23E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.22E-08	2.48E-07
1793	609843.06	4170731.46	2.45E-06	1.01E-06	3.45E-06	4.06E-07	1.76E-07	5.82E-07	3.00E-07	1.00E-07	4.00E-07
1794	609843.2	4170722.02	2.49E-06	1.03E-06	3.52E-06	4.14E-07	1.79E-07	5.93E-07	3.06E-07	1.02E-07	4.08E-07
1795	609843.35	4170712.58	2.54E-06	1.04E-06	3.58E-06	4.21E-07	1.82E-07	6.03E-07	3.11E-07	1.04E-07	4.15E-07
1796	609843.49	4170703.14	2.57E-06	1.06E-06	3.63E-06	4.27E-07	1.85E-07	6.12E-07	3.15E-07	1.05E-07	4.21E-07
1797	609843.63	4170693.7	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.25E-07
1798	609843.77	4170684.26	2.62E-06	1.08E-06	3.70E-06	4.35E-07	1.88E-07	6.23E-07	3.21E-07	1.07E-07	4.29E-07
1799	609843.91	4170674.82	2.63E-06	1.08E-06	3.71E-06	4.37E-07	1.89E-07	6.26E-07	3.23E-07	1.08E-07	4.30E-07
1800	609844.06	4170665.38	2.63E-06	1.08E-06	3.72E-06	4.37E-07	1.89E-07	6.26E-07	3.23E-07	1.08E-07	4.31E-07
1801	609844.2	4170655.94	2.63E-06	1.08E-06	3.70E-06	4.36E-07	1.88E-07	6.25E-07	3.22E-07	1.08E-07	4.30E-07
1802	609844.34	4170646.5	2.61E-06	1.07E-06	3.68E-06	4.33E-07	1.87E-07	6.20E-07	3.20E-07	1.07E-07	4.27E-07
1803	609844.48	4170637.06	2.58E-06	1.06E-06	3.64E-06	4.28E-07	1.85E-07	6.13E-07	3.16E-07	1.06E-07	4.22E-07
1804	609844.62	4170627.62	2.54E-06	1.04E-06	3.58E-06	4.21E-07	1.82E-07	6.03E-07	3.11E-07	1.04E-07	4.15E-07
1805	609849.49	4170739.93	2.31E-06	9.49E-07	3.26E-06	3.84E-07	1.66E-07	5.49E-07	2.83E-07	9.47E-08	3.78E-07
1806	609842.36	4170756.57	2.30E-06	9.47E-07	3.25E-06	3.83E-07	1.65E-07	5.48E-07	2.82E-07	9.44E-08	3.77E-07
1807	609838.79	4170764.89	2.29E-06	9.43E-07	3.24E-06	3.81E-07	1.65E-07	5.45E-07	2.81E-07	9.40E-08	3.75E-07
1808	609831.65	4170781.53	2.26E-06	9.29E-07	3.19E-06	3.75E-07	1.62E-07	5.38E-07	2.77E-07	9.27E-08	3.70E-07
1809	609824.52	4170798.17	2.21E-06	9.09E-07	3.12E-06	3.67E-07	1.59E-07	5.26E-07	2.71E-07	9.07E-08	3.62E-07
1810	609817.38	4170814.82	2.15E-06	8.84E-07	3.03E-06	3.57E-07	1.54E-07	5.11E-07	2.64E-07	8.81E-08	3.52E-07
1811	609813.81	4170823.14	2.11E-06	8.69E-07	2.98E-06	3.51E-07	1.52E-07	5.03E-07	2.59E-07	8.67E-08	3.46E-07
1812	609806.68	4170839.78	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.34E-08	3.33E-07
1813	609799.54	4170856.42	1.95E-06	7.99E-07	2.74E-06	3.23E-07	1.40E-07	4.63E-07	2.38E-07	7.97E-08	3.18E-07
1814	609792.4	4170873.06	1.85E-06	7.60E-07	2.61E-06	3.07E-07	1.33E-07	4.40E-07	2.27E-07	7.58E-08	3.03E-07
1815	609788.83	4170881.38	1.80E-06	7.40E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.21E-07	7.38E-08	2.95E-07
1816	609781.7	4170898.03	1.70E-06	6.99E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.97E-08	2.78E-07
1817	609769.74	4170909.75	1.66E-06	6.84E-07	2.35E-06	2.76E-07	1.19E-07	3.96E-07	2.04E-07	6.82E-08	2.72E-07
1818	609761.35	4170913.16	1.68E-06	6.89E-07	2.36E-06	2.78E-07	1.20E-07	3.99E-07	2.05E-07	6.87E-08	2.74E-07
1819	609752.96	4170916.56	1.69E-06	6.93E-07	2.38E-06	2.80E-07	1.21E-07	4.01E-07	2.07E-07	6.91E-08	2.76E-07
1820	609744.57	4170919.97	1.69E-06	6.96E-07	2.39E-06	2.81E-07	1.21E-07	4.03E-07	2.08E-07	6.94E-08	2.77E-07
1821	609727.79	4170926.78	1.70E-06	6.97E-07	2.39E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
1822	609719.4	4170930.18	1.69E-06	6.96E-07	2.39E-06	2.81E-07	1.22E-07	4.03E-07	2.08E-07	6.95E-08	2.77E-07
1823	609702.63	4170936.99	1.68E-06	6.90E-07	2.37E-06	2.79E-07	1.21E-07	4.00E-07	2.06E-07	6.89E-08	2.75E-07

1824	609694.24	4170940.39	1.67E-06	6.85E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.04E-07	6.83E-08	2.73E-07
1825	609677.46	4170947.2	1.63E-06	6.71E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.69E-08	2.67E-07
1826	609660.68	4170954.01	1.58E-06	6.51E-07	2.23E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.49E-08	2.59E-07
1827	609652.29	4170957.42	1.55E-06	6.39E-07	2.19E-06	2.58E-07	1.12E-07	3.70E-07	1.91E-07	6.37E-08	2.54E-07
1828	609643.9	4170960.82	1.52E-06	6.26E-07	2.15E-06	2.53E-07	1.09E-07	3.62E-07	1.87E-07	6.24E-08	2.49E-07
1829	609635.51	4170964.23	1.49E-06	6.12E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.83E-07	6.10E-08	2.44E-07
1830	609627.12	4170967.63	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.45E-07	1.78E-07	5.95E-08	2.38E-07
1831	609853.06	4170731.61	2.30E-06	9.47E-07	3.25E-06	3.83E-07	1.65E-07	5.48E-07	2.83E-07	9.45E-08	3.77E-07
1832	609853.2	4170722.17	2.35E-06	9.65E-07	3.31E-06	3.90E-07	1.68E-07	5.58E-07	2.88E-07	9.62E-08	3.84E-07
1833	609853.35	4170712.73	2.39E-06	9.81E-07	3.37E-06	3.96E-07	1.71E-07	5.67E-07	2.93E-07	9.78E-08	3.90E-07
1834	609853.49	4170703.29	2.42E-06	9.94E-07	3.41E-06	4.02E-07	1.74E-07	5.75E-07	2.96E-07	9.91E-08	3.96E-07
1835	609853.63	4170693.85	2.44E-06	1.00E-06	3.45E-06	4.06E-07	1.75E-07	5.81E-07	3.00E-07	1.00E-07	4.00E-07
1836	609853.77	4170684.41	2.46E-06	1.01E-06	3.47E-06	4.08E-07	1.76E-07	5.85E-07	3.01E-07	1.01E-07	4.02E-07
1837	609853.91	4170674.97	2.47E-06	1.01E-06	3.48E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
1838	609854.05	4170665.53	2.47E-06	1.01E-06	3.48E-06	4.10E-07	1.77E-07	5.87E-07	3.03E-07	1.01E-07	4.04E-07
1839	609854.2	4170656.09	2.46E-06	1.01E-06	3.48E-06	4.09E-07	1.77E-07	5.86E-07	3.02E-07	1.01E-07	4.03E-07
1840	609854.34	4170646.65	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.00E-07	1.00E-07	4.01E-07
1841	609854.48	4170637.21	2.42E-06	9.97E-07	3.42E-06	4.03E-07	1.74E-07	5.77E-07	2.97E-07	9.94E-08	3.97E-07
1842	609854.62	4170627.77	2.39E-06	9.83E-07	3.37E-06	3.97E-07	1.72E-07	5.69E-07	2.93E-07	9.80E-08	3.91E-07
1843	609859.35	4170740.41	2.18E-06	8.96E-07	3.08E-06	3.62E-07	1.56E-07	5.19E-07	2.67E-07	8.94E-08	3.57E-07
1844	609855.64	4170749.06	2.18E-06	8.96E-07	3.08E-06	3.62E-07	1.56E-07	5.19E-07	2.67E-07	8.94E-08	3.57E-07
1845	609851.93	4170757.72	2.18E-06	8.94E-07	3.07E-06	3.61E-07	1.56E-07	5.17E-07	2.67E-07	8.92E-08	3.56E-07
1846	609848.22	4170766.37	2.17E-06	8.90E-07	3.06E-06	3.60E-07	1.55E-07	5.15E-07	2.66E-07	8.88E-08	3.54E-07
1847	609844.51	4170775.02	2.15E-06	8.85E-07	3.04E-06	3.58E-07	1.55E-07	5.12E-07	2.64E-07	8.83E-08	3.52E-07
1848	609840.8	4170783.68	2.14E-06	8.78E-07	3.01E-06	3.55E-07	1.53E-07	5.08E-07	2.62E-07	8.75E-08	3.49E-07
1849	609837.08	4170792.33	2.11E-06	8.69E-07	2.98E-06	3.51E-07	1.52E-07	5.03E-07	2.59E-07	8.67E-08	3.46E-07
1850	609833.37	4170800.99	2.09E-06	8.59E-07	2.95E-06	3.47E-07	1.50E-07	4.97E-07	2.56E-07	8.57E-08	3.42E-07
1851	609829.66	4170809.64	2.06E-06	8.48E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.45E-08	3.37E-07
1852	609825.95	4170818.29	2.03E-06	8.35E-07	2.87E-06	3.38E-07	1.46E-07	4.83E-07	2.49E-07	8.33E-08	3.32E-07
1853	609822.24	4170826.95	2.00E-06	8.21E-07	2.82E-06	3.32E-07	1.43E-07	4.75E-07	2.45E-07	8.19E-08	3.27E-07
1854	609818.53	4170835.6	1.96E-06	8.06E-07	2.77E-06	3.26E-07	1.41E-07	4.66E-07	2.40E-07	8.04E-08	3.21E-07
1855	609814.82	4170844.26	1.92E-06	7.90E-07	2.71E-06	3.19E-07	1.38E-07	4.57E-07	2.36E-07	7.88E-08	3.14E-07
1856	609811.11	4170852.91	1.88E-06	7.73E-07	2.65E-06	3.12E-07	1.35E-07	4.47E-07	2.31E-07	7.71E-08	3.08E-07
1857	609807.4	4170861.56	1.84E-06	7.55E-07	2.59E-06	3.05E-07	1.32E-07	4.37E-07	2.25E-07	7.53E-08	3.01E-07
1858	609803.69	4170870.22	1.79E-06	7.37E-07	2.53E-06	2.98E-07	1.29E-07	4.27E-07	2.20E-07	7.35E-08	2.93E-07
1859	609799.97	4170878.87	1.75E-06	7.18E-07	2.47E-06	2.90E-07	1.25E-07	4.16E-07	2.14E-07	7.16E-08	2.86E-07
1860	609796.26	4170887.53	1.70E-06	6.99E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.97E-08	2.78E-07
1861	609792.55	4170896.18	1.65E-06	6.79E-07	2.33E-06	2.75E-07	1.19E-07	3.93E-07	2.03E-07	6.77E-08	2.70E-07
1862	609788.84	4170904.83	1.60E-06	6.60E-07	2.26E-06	2.67E-07	1.15E-07	3.82E-07	1.97E-07	6.58E-08	2.62E-07
1863	609776.41	4170917.03	1.57E-06	6.45E-07	2.21E-06	2.61E-07	1.13E-07	3.73E-07	1.92E-07	6.43E-08	2.57E-07
1864	609767.68	4170920.57	1.58E-06	6.50E-07	2.23E-06	2.63E-07	1.13E-07	3.76E-07	1.94E-07	6.48E-08	2.59E-07
1865	609758.96	4170924.11	1.59E-06	6.54E-07	2.24E-06	2.64E-07	1.14E-07	3.78E-07	1.95E-07	6.52E-08	2.60E-07
1866	609750.23	4170927.65	1.60E-06	6.56E-07	2.25E-06	2.65E-07	1.15E-07	3.80E-07	1.96E-07	6.55E-08	2.61E-07
1867	609741.51	4170931.19	1.60E-06	6.58E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.96E-07	6.56E-08	2.62E-07
1868	609732.78	4170934.73	1.60E-06	6.58E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.96E-07	6.56E-08	2.62E-07
1869	609724.06	4170938.27	1.60E-06	6.57E-07	2.26E-06	2.66E-07	1.15E-07	3.80E-07	1.96E-07	6.55E-08	2.61E-07
1870	609715.33	4170941.81	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.53E-08	2.61E-07
1871	609706.61	4170945.36	1.58E-06	6.51E-07	2.23E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.49E-08	2.59E-07
1872	609697.88	4170948.9	1.57E-06	6.46E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.44E-08	2.57E-07
1873	609689.16	4170952.44	1.56E-06	6.39E-07	2.19E-06	2.58E-07	1.12E-07	3.70E-07	1.91E-07	6.38E-08	2.54E-07
1874	609680.43	4170955.98	1.54E-06	6.32E-07	2.17E-06	2.55E-07	1.10E-07	3.66E-07	1.88E-07	6.30E-08	2.51E-07
1875	609671.71	4170959.52	1.51E-06	6.23E-07	2.14E-06	2.52E-07	1.09E-07	3.60E-07	1.86E-07	6.21E-08	2.48E-07
1876	609662.98	4170963.06	1.49E-06	6.12E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.83E-07	6.11E-08	2.44E-07
1877	609654.26	4170966.6	1.46E-06	6.01E-07	2.06E-06	2.43E-07	1.05E-07	3.48E-07	1.79E-07	5.99E-08	2.39E-07
1878	609645.53	4170970.14	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
1879	609636.81	4170973.68	1.40E-06	5.74E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.73E-08	2.29E-07
1880	609628.08	4170977.22	1.36E-06	5.59E-07	1.92E-06	2.26E-07	9.77E-08	3.24E-07	1.67E-07	5.58E-08	2.23E-07
1881	609619.36	4170980.77	1.32E-06	5.44E-07	1.87E-06	2.20E-07	9.50E-08	3.15E-07	1.62E-07	5.43E-08	2.17E-07
1882	609863.06	4170731.76	2.18E-06	8.94E-07	3.07E-06	3.61E-07	1.56E-07	5.17E-07	2.67E-07	8.92E-08	3.56E-07
1883	609863.2	4170722.32	2.21E-06	9.10E-07	3.12E-06	3.68E-07	1.59E-07	5.27E-07	2.71E-07	9.08E-08	3.62E-07
1884	609863.34	4170712.88	2.25E-06	9.24E-07	3.17E-06	3.74E-07	1.61E-07	5.35E-07	2.76E-07	9.22E-08	3.68E-07
1885	609863.49	4170703.44	2.28E-06	9.36E-07	3.21E-06	3.78E-07	1.63E-07	5.42E-07	2.79E-07	9.34E-08	3.73E-07
1886	609863.63	4170694	2.30E-06	9.45E-07	3.24E-06	3.82E-07	1.65E-07	5.47E-07	2.82E-07	9.42E-08	3.76E-07

1887	609863.77	4170684.56	2.31E-06	9.49E-07	3.26E-06	3.84E-07	1.66E-07	5.49E-07	2.83E-07	9.47E-08	3.78E-07
1888	609863.91	4170675.12	2.32E-06	9.52E-07	3.27E-06	3.85E-07	1.66E-07	5.51E-07	2.84E-07	9.49E-08	3.79E-07
1889	609864.05	4170665.68	2.32E-06	9.53E-07	3.27E-06	3.85E-07	1.66E-07	5.52E-07	2.84E-07	9.51E-08	3.79E-07
1890	609864.2	4170656.24	2.32E-06	9.52E-07	3.27E-06	3.85E-07	1.66E-07	5.51E-07	2.84E-07	9.49E-08	3.79E-07
1891	609864.34	4170646.8	2.30E-06	9.47E-07	3.25E-06	3.83E-07	1.65E-07	5.48E-07	2.83E-07	9.45E-08	3.77E-07
1892	609864.48	4170637.36	2.29E-06	9.39E-07	3.22E-06	3.80E-07	1.64E-07	5.44E-07	2.80E-07	9.37E-08	3.74E-07
1893	609864.62	4170627.92	2.26E-06	9.28E-07	3.19E-06	3.75E-07	1.62E-07	5.37E-07	2.77E-07	9.26E-08	3.69E-07
1894	609869.38	4170740.48	2.06E-06	8.47E-07	2.91E-06	3.42E-07	1.48E-07	4.90E-07	2.53E-07	8.45E-08	3.37E-07
1895	609865.7	4170749.06	2.06E-06	8.48E-07	2.91E-06	3.43E-07	1.48E-07	4.90E-07	2.53E-07	8.45E-08	3.37E-07
1896	609862.02	4170757.64	2.06E-06	8.46E-07	2.90E-06	3.42E-07	1.48E-07	4.90E-07	2.52E-07	8.44E-08	3.37E-07
1897	609858.35	4170766.22	2.05E-06	8.43E-07	2.89E-06	3.41E-07	1.47E-07	4.88E-07	2.52E-07	8.41E-08	3.36E-07
1898	609854.67	4170774.8	2.04E-06	8.39E-07	2.88E-06	3.39E-07	1.46E-07	4.85E-07	2.50E-07	8.36E-08	3.34E-07
1899	609850.99	4170783.38	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.45E-07	4.82E-07	2.48E-07	8.31E-08	3.31E-07
1900	609847.31	4170791.95	2.01E-06	8.25E-07	2.83E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.23E-08	3.29E-07
1901	609843.63	4170800.53	1.99E-06	8.17E-07	2.80E-06	3.30E-07	1.43E-07	4.73E-07	2.44E-07	8.15E-08	3.25E-07
1902	609839.95	4170809.11	1.96E-06	8.07E-07	2.77E-06	3.26E-07	1.41E-07	4.67E-07	2.41E-07	8.05E-08	3.21E-07
1903	609836.27	4170817.69	1.94E-06	7.96E-07	2.73E-06	3.22E-07	1.39E-07	4.61E-07	2.37E-07	7.94E-08	3.17E-07
1904	609832.6	4170826.27	1.91E-06	7.84E-07	2.69E-06	3.17E-07	1.37E-07	4.54E-07	2.34E-07	7.82E-08	3.12E-07
1905	609828.92	4170834.84	1.88E-06	7.71E-07	2.65E-06	3.12E-07	1.35E-07	4.46E-07	2.30E-07	7.69E-08	3.07E-07
1906	609825.24	4170843.42	1.84E-06	7.57E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.55E-08	3.01E-07
1907	609821.56	4170852	1.81E-06	7.42E-07	2.55E-06	3.00E-07	1.30E-07	4.29E-07	2.21E-07	7.40E-08	2.95E-07
1908	609817.88	4170860.58	1.77E-06	7.26E-07	2.49E-06	2.94E-07	1.27E-07	4.20E-07	2.17E-07	7.24E-08	2.89E-07
1909	609814.2	4170869.16	1.73E-06	7.10E-07	2.44E-06	2.87E-07	1.24E-07	4.11E-07	2.12E-07	7.08E-08	2.83E-07
1910	609810.53	4170877.74	1.69E-06	6.93E-07	2.38E-06	2.80E-07	1.21E-07	4.01E-07	2.07E-07	6.91E-08	2.76E-07
1911	609806.85	4170886.31	1.65E-06	6.76E-07	2.32E-06	2.73E-07	1.18E-07	3.91E-07	2.02E-07	6.74E-08	2.69E-07
1912	609803.17	4170894.89	1.60E-06	6.59E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.96E-07	6.57E-08	2.62E-07
1913	609799.49	4170903.47	1.56E-06	6.41E-07	2.20E-06	2.59E-07	1.12E-07	3.71E-07	1.91E-07	6.39E-08	2.55E-07
1914	609795.81	4170912.05	1.52E-06	6.23E-07	2.14E-06	2.52E-07	1.09E-07	3.60E-07	1.86E-07	6.21E-08	2.48E-07
1915	609783.48	4170924.14	1.48E-06	6.10E-07	2.09E-06	2.46E-07	1.06E-07	3.53E-07	1.82E-07	6.08E-08	2.43E-07
1916	609774.84	4170927.65	1.49E-06	6.14E-07	2.11E-06	2.48E-07	1.07E-07	3.55E-07	1.83E-07	6.13E-08	2.44E-07
1917	609766.19	4170931.16	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.57E-07	1.84E-07	6.16E-08	2.46E-07
1918	609757.54	4170934.67	1.51E-06	6.20E-07	2.13E-06	2.51E-07	1.08E-07	3.59E-07	1.85E-07	6.19E-08	2.47E-07
1919	609748.89	4170938.18	1.51E-06	6.22E-07	2.13E-06	2.51E-07	1.09E-07	3.60E-07	1.85E-07	6.20E-08	2.47E-07
1920	609740.24	4170941.69	1.51E-06	6.22E-07	2.14E-06	2.51E-07	1.09E-07	3.60E-07	1.86E-07	6.20E-08	2.48E-07
1921	609731.59	4170945.2	1.51E-06	6.21E-07	2.13E-06	2.51E-07	1.08E-07	3.60E-07	1.85E-07	6.20E-08	2.47E-07
1922	609722.94	4170948.71	1.51E-06	6.19E-07	2.13E-06	2.50E-07	1.08E-07	3.58E-07	1.85E-07	6.18E-08	2.47E-07
1923	609714.3	4170952.22	1.50E-06	6.16E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.15E-08	2.45E-07
1924	609705.65	4170955.73	1.49E-06	6.12E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.83E-07	6.10E-08	2.44E-07
1925	609697	4170959.24	1.48E-06	6.07E-07	2.08E-06	2.45E-07	1.06E-07	3.51E-07	1.81E-07	6.05E-08	2.41E-07
1926	609688.35	4170962.75	1.46E-06	6.00E-07	2.06E-06	2.42E-07	1.05E-07	3.47E-07	1.79E-07	5.98E-08	2.39E-07
1927	609679.7	4170966.26	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.43E-07	1.77E-07	5.91E-08	2.36E-07
1928	609671.05	4170969.77	1.42E-06	5.83E-07	2.00E-06	2.36E-07	1.02E-07	3.38E-07	1.74E-07	5.82E-08	2.32E-07
1929	609662.4	4170973.28	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
1930	609653.76	4170976.79	1.37E-06	5.62E-07	1.93E-06	2.27E-07	9.81E-08	3.25E-07	1.68E-07	5.61E-08	2.24E-07
1931	609645.11	4170980.3	1.34E-06	5.50E-07	1.89E-06	2.22E-07	9.60E-08	3.18E-07	1.64E-07	5.49E-08	2.19E-07
1932	609636.46	4170983.81	1.31E-06	5.37E-07	1.84E-06	2.17E-07	9.38E-08	3.11E-07	1.60E-07	5.36E-08	2.14E-07
1933	609627.81	4170987.32	1.27E-06	5.23E-07	1.80E-06	2.12E-07	9.14E-08	3.03E-07	1.56E-07	5.22E-08	2.08E-07
1934	609619.16	4170990.83	1.24E-06	5.09E-07	1.75E-06	2.06E-07	8.89E-08	2.95E-07	1.52E-07	5.08E-08	2.03E-07
1935	609873.06	4170731.91	2.06E-06	8.45E-07	2.90E-06	3.42E-07	1.48E-07	4.89E-07	2.52E-07	8.43E-08	3.36E-07
1936	609873.2	4170722.47	2.09E-06	8.60E-07	2.95E-06	3.48E-07	1.50E-07	4.98E-07	2.56E-07	8.58E-08	3.42E-07
1937	609873.34	4170713.03	2.12E-06	8.73E-07	3.00E-06	3.53E-07	1.52E-07	5.05E-07	2.60E-07	8.70E-08	3.47E-07
1938	609873.48	4170703.59	2.15E-06	8.84E-07	3.03E-06	3.57E-07	1.54E-07	5.11E-07	2.64E-07	8.81E-08	3.52E-07
1939	609873.63	4170694.15	2.17E-06	8.91E-07	3.06E-06	3.60E-07	1.56E-07	5.16E-07	2.66E-07	8.89E-08	3.55E-07
1940	609873.77	4170684.71	2.18E-06	8.96E-07	3.07E-06	3.62E-07	1.56E-07	5.18E-07	2.67E-07	8.93E-08	3.57E-07
1941	609873.91	4170675.27	2.18E-06	8.98E-07	3.08E-06	3.63E-07	1.57E-07	5.20E-07	2.68E-07	8.95E-08	3.57E-07
1942	609874.05	4170665.83	2.19E-06	9.00E-07	3.09E-06	3.64E-07	1.57E-07	5.21E-07	2.68E-07	8.97E-08	3.58E-07
1943	609874.19	4170656.39	2.19E-06	8.99E-07	3.09E-06	3.63E-07	1.57E-07	5.20E-07	2.68E-07	8.96E-08	3.58E-07
1944	609874.34	4170646.95	2.18E-06	8.95E-07	3.07E-06	3.62E-07	1.56E-07	5.18E-07	2.67E-07	8.93E-08	3.56E-07
1945	609874.48	4170637.51	2.16E-06	8.88E-07	3.05E-06	3.59E-07	1.55E-07	5.14E-07	2.65E-07	8.86E-08	3.54E-07
1946	609874.62	4170628.07	2.14E-06	8.78E-07	3.02E-06	3.55E-07	1.53E-07	5.08E-07	2.62E-07	8.76E-08	3.50E-07
1947	609879.41	4170740.57	1.95E-06	8.02E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	8.00E-08	3.19E-07
1948	609875.76	4170749.07	1.95E-06	8.03E-07	2.76E-06	3.25E-07	1.40E-07	4.65E-07	2.40E-07	8.01E-08	3.20E-07
1949	609872.11	4170757.58	1.95E-06	8.02E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	8.00E-08	3.19E-07

1950	609868.46	4170766.09	1.95E-06	8.00E-07	2.75E-06	3.23E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.18E-07
1951	609864.81	4170774.6	1.94E-06	7.96E-07	2.73E-06	3.22E-07	1.39E-07	4.61E-07	2.37E-07	7.94E-08	3.17E-07
1952	609861.17	4170783.11	1.92E-06	7.91E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.89E-08	3.15E-07
1953	609857.52	4170791.62	1.91E-06	7.85E-07	2.69E-06	3.17E-07	1.37E-07	4.54E-07	2.34E-07	7.83E-08	3.12E-07
1954	609853.87	4170800.13	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.50E-07	2.32E-07	7.75E-08	3.09E-07
1955	609850.22	4170808.64	1.87E-06	7.69E-07	2.64E-06	3.11E-07	1.34E-07	4.45E-07	2.29E-07	7.67E-08	3.06E-07
1956	609846.57	4170817.15	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.33E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
1957	609842.92	4170825.66	1.82E-06	7.49E-07	2.57E-06	3.03E-07	1.31E-07	4.33E-07	2.23E-07	7.47E-08	2.98E-07
1958	609839.27	4170834.17	1.79E-06	7.37E-07	2.53E-06	2.98E-07	1.29E-07	4.27E-07	2.20E-07	7.35E-08	2.94E-07
1959	609835.62	4170842.68	1.76E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.16E-07	7.23E-08	2.89E-07
1960	609831.97	4170851.18	1.73E-06	7.12E-07	2.44E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.10E-08	2.83E-07
1961	609828.33	4170859.69	1.70E-06	6.98E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
1962	609824.68	4170868.2	1.66E-06	6.84E-07	2.35E-06	2.76E-07	1.19E-07	3.96E-07	2.04E-07	6.82E-08	2.72E-07
1963	609821.03	4170876.71	1.63E-06	6.69E-07	2.30E-06	2.70E-07	1.17E-07	3.87E-07	2.00E-07	6.67E-08	2.66E-07
1964	609817.38	4170885.22	1.59E-06	6.54E-07	2.24E-06	2.64E-07	1.14E-07	3.78E-07	1.95E-07	6.52E-08	2.60E-07
1965	609813.73	4170893.73	1.55E-06	6.38E-07	2.19E-06	2.58E-07	1.11E-07	3.69E-07	1.90E-07	6.36E-08	2.54E-07
1966	609810.08	4170902.24	1.51E-06	6.22E-07	2.13E-06	2.51E-07	1.09E-07	3.60E-07	1.85E-07	6.20E-08	2.48E-07
1967	609806.43	4170910.75	1.47E-06	6.06E-07	2.08E-06	2.45E-07	1.06E-07	3.50E-07	1.81E-07	6.04E-08	2.41E-07
1968	609802.78	4170919.26	1.43E-06	5.89E-07	2.02E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.88E-08	2.34E-07
1969	609790.56	4170931.25	1.40E-06	5.77E-07	1.98E-06	2.33E-07	1.01E-07	3.34E-07	1.72E-07	5.76E-08	2.30E-07
1970	609781.98	4170934.73	1.41E-06	5.81E-07	2.00E-06	2.35E-07	1.02E-07	3.36E-07	1.73E-07	5.80E-08	2.31E-07
1971	609773.4	4170938.21	1.42E-06	5.85E-07	2.01E-06	2.36E-07	1.02E-07	3.38E-07	1.74E-07	5.83E-08	2.33E-07
1972	609764.82	4170941.69	1.43E-06	5.87E-07	2.02E-06	2.37E-07	1.02E-07	3.40E-07	1.75E-07	5.85E-08	2.34E-07
1973	609756.24	4170945.18	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.87E-08	2.34E-07
1974	609747.66	4170948.66	1.43E-06	5.89E-07	2.02E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.87E-08	2.34E-07
1975	609739.08	4170952.14	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.87E-08	2.34E-07
1976	609730.5	4170955.62	1.43E-06	5.87E-07	2.01E-06	2.37E-07	1.02E-07	3.40E-07	1.75E-07	5.85E-08	2.34E-07
1977	609721.92	4170959.1	1.42E-06	5.84E-07	2.01E-06	2.36E-07	1.02E-07	3.38E-07	1.74E-07	5.83E-08	2.33E-07
1978	609713.35	4170962.58	1.41E-06	5.81E-07	1.99E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.79E-08	2.31E-07
1979	609704.77	4170966.07	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.33E-07	1.72E-07	5.75E-08	2.29E-07
1980	609696.19	4170969.55	1.39E-06	5.71E-07	1.96E-06	2.31E-07	9.96E-08	3.30E-07	1.70E-07	5.69E-08	2.27E-07
1981	609687.61	4170973.03	1.37E-06	5.64E-07	1.94E-06	2.28E-07	9.84E-08	3.26E-07	1.68E-07	5.62E-08	2.24E-07
1982	609679.03	4170976.51	1.35E-06	5.56E-07	1.91E-06	2.25E-07	9.71E-08	3.22E-07	1.66E-07	5.55E-08	2.21E-07
1983	609670.45	4170979.99	1.33E-06	5.47E-07	1.88E-06	2.21E-07	9.56E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
1984	609661.87	4170983.47	1.31E-06	5.38E-07	1.85E-06	2.17E-07	9.39E-08	3.11E-07	1.60E-07	5.36E-08	2.14E-07
1985	609653.29	4170986.96	1.28E-06	5.27E-07	1.81E-06	2.13E-07	9.20E-08	3.05E-07	1.57E-07	5.26E-08	2.10E-07
1986	609644.71	4170990.44	1.25E-06	5.16E-07	1.77E-06	2.08E-07	9.00E-08	2.98E-07	1.54E-07	5.14E-08	2.05E-07
1987	609636.14	4170993.92	1.23E-06	5.04E-07	1.73E-06	2.03E-07	8.79E-08	2.91E-07	1.50E-07	5.02E-08	2.00E-07
1988	609627.56	4170997.4	1.19E-06	4.91E-07	1.68E-06	1.98E-07	8.57E-08	2.84E-07	1.46E-07	4.89E-08	1.95E-07
1989	609618.98	4171000.88	1.16E-06	4.77E-07	1.64E-06	1.93E-07	8.33E-08	2.76E-07	1.42E-07	4.76E-08	1.90E-07
1990	609883.06	4170732.06	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.19E-07
1991	609883.2	4170722.62	1.98E-06	8.14E-07	2.79E-06	3.29E-07	1.42E-07	4.71E-07	2.43E-07	8.12E-08	3.24E-07
1992	609883.34	4170713.18	2.01E-06	8.25E-07	2.83E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.23E-08	3.29E-07
1993	609883.48	4170703.74	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.33E-08	3.33E-07
1994	609883.63	4170694.3	2.05E-06	8.43E-07	2.89E-06	3.40E-07	1.47E-07	4.88E-07	2.51E-07	8.40E-08	3.35E-07
1995	609883.77	4170684.86	2.06E-06	8.47E-07	2.91E-06	3.42E-07	1.48E-07	4.90E-07	2.53E-07	8.44E-08	3.37E-07
1996	609883.91	4170675.42	2.06E-06	8.49E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.46E-08	3.38E-07
1997	609884.05	4170665.98	2.07E-06	8.51E-07	2.92E-06	3.44E-07	1.48E-07	4.92E-07	2.54E-07	8.48E-08	3.39E-07
1998	609884.19	4170656.54	2.07E-06	8.50E-07	2.92E-06	3.43E-07	1.48E-07	4.92E-07	2.54E-07	8.48E-08	3.38E-07
1999	609884.33	4170647.1	2.06E-06	8.47E-07	2.91E-06	3.42E-07	1.48E-07	4.90E-07	2.53E-07	8.45E-08	3.37E-07
2000	609884.48	4170637.66	2.05E-06	8.41E-07	2.89E-06	3.40E-07	1.47E-07	4.87E-07	2.51E-07	8.39E-08	3.35E-07
2001	609884.62	4170628.22	2.03E-06	8.33E-07	2.86E-06	3.36E-07	1.45E-07	4.82E-07	2.48E-07	8.30E-08	3.31E-07
2002	609889.44	4170740.65	1.85E-06	7.61E-07	2.61E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.59E-08	3.03E-07
2003	609885.81	4170749.1	1.85E-06	7.62E-07	2.62E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.60E-08	3.03E-07
2004	609882.19	4170757.54	1.85E-06	7.61E-07	2.61E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.59E-08	3.03E-07
2005	609878.57	4170765.99	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.33E-07	4.39E-07	2.27E-07	7.57E-08	3.02E-07
2006	609874.95	4170774.44	1.84E-06	7.56E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.54E-08	3.01E-07
2007	609871.33	4170782.88	1.83E-06	7.52E-07	2.58E-06	3.04E-07	1.31E-07	4.35E-07	2.24E-07	7.50E-08	2.99E-07
2008	609867.71	4170791.33	1.82E-06	7.47E-07	2.56E-06	3.02E-07	1.30E-07	4.32E-07	2.23E-07	7.45E-08	2.97E-07
2009	609864.08	4170799.77	1.80E-06	7.40E-07	2.54E-06	2.99E-07	1.29E-07	4.29E-07	2.21E-07	7.38E-08	2.95E-07
2010	609860.46	4170808.22	1.78E-06	7.33E-07	2.52E-06	2.96E-07	1.28E-07	4.24E-07	2.19E-07	7.31E-08	2.92E-07
2011	609856.84	4170816.66	1.76E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.19E-07	2.16E-07	7.23E-08	2.88E-07
2012	609853.22	4170825.11	1.74E-06	7.15E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.13E-08	2.85E-07

2013	609849.6	4170833.56	1.72E-06	7.05E-07	2.42E-06	2.85E-07	1.23E-07	4.08E-07	2.10E-07	7.04E-08	2.81E-07
2014	609845.97	4170842	1.69E-06	6.95E-07	2.39E-06	2.81E-07	1.21E-07	4.02E-07	2.07E-07	6.93E-08	2.77E-07
2015	609842.35	4170850.45	1.66E-06	6.83E-07	2.35E-06	2.76E-07	1.19E-07	3.95E-07	2.04E-07	6.81E-08	2.72E-07
2016	609838.73	4170858.89	1.63E-06	6.71E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.69E-08	2.67E-07
2017	609835.11	4170867.34	1.60E-06	6.58E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.96E-07	6.57E-08	2.62E-07
2018	609831.49	4170875.79	1.57E-06	6.45E-07	2.21E-06	2.61E-07	1.13E-07	3.73E-07	1.92E-07	6.43E-08	2.57E-07
2019	609827.87	4170884.23	1.54E-06	6.31E-07	2.17E-06	2.55E-07	1.10E-07	3.65E-07	1.88E-07	6.30E-08	2.51E-07
2020	609824.24	4170892.68	1.50E-06	6.17E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.16E-08	2.46E-07
2021	609820.62	4170901.12	1.47E-06	6.03E-07	2.07E-06	2.44E-07	1.05E-07	3.49E-07	1.80E-07	6.01E-08	2.40E-07
2022	609817	4170909.57	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.40E-07	1.75E-07	5.87E-08	2.34E-07
2023	609813.38	4170918.01	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
2024	609809.76	4170926.46	1.36E-06	5.58E-07	1.92E-06	2.26E-07	9.75E-08	3.23E-07	1.67E-07	5.57E-08	2.22E-07
2025	609797.62	4170938.36	1.33E-06	5.47E-07	1.88E-06	2.21E-07	9.56E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
2026	609789.11	4170941.82	1.34E-06	5.51E-07	1.89E-06	2.23E-07	9.62E-08	3.19E-07	1.64E-07	5.50E-08	2.19E-07
2027	609780.59	4170945.27	1.35E-06	5.54E-07	1.90E-06	2.24E-07	9.68E-08	3.21E-07	1.65E-07	5.53E-08	2.21E-07
2028	609772.08	4170948.73	1.35E-06	5.56E-07	1.91E-06	2.25E-07	9.71E-08	3.22E-07	1.66E-07	5.55E-08	2.21E-07
2029	609763.56	4170952.19	1.36E-06	5.58E-07	1.91E-06	2.25E-07	9.74E-08	3.23E-07	1.66E-07	5.56E-08	2.22E-07
2030	609755.05	4170955.64	1.36E-06	5.58E-07	1.92E-06	2.26E-07	9.75E-08	3.23E-07	1.67E-07	5.57E-08	2.22E-07
2031	609746.53	4170959.1	1.36E-06	5.58E-07	1.92E-06	2.26E-07	9.74E-08	3.23E-07	1.66E-07	5.57E-08	2.22E-07
2032	609738.02	4170962.55	1.36E-06	5.57E-07	1.91E-06	2.25E-07	9.72E-08	3.22E-07	1.66E-07	5.55E-08	2.22E-07
2033	609729.5	4170966.01	1.35E-06	5.55E-07	1.90E-06	2.24E-07	9.69E-08	3.21E-07	1.66E-07	5.53E-08	2.21E-07
2034	609720.99	4170969.47	1.34E-06	5.52E-07	1.89E-06	2.23E-07	9.64E-08	3.19E-07	1.65E-07	5.50E-08	2.20E-07
2035	609712.47	4170972.92	1.33E-06	5.48E-07	1.88E-06	2.21E-07	9.57E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
2036	609703.95	4170976.38	1.32E-06	5.43E-07	1.86E-06	2.19E-07	9.48E-08	3.14E-07	1.62E-07	5.42E-08	2.16E-07
2037	609695.44	4170979.83	1.31E-06	5.37E-07	1.84E-06	2.17E-07	9.38E-08	3.11E-07	1.60E-07	5.36E-08	2.14E-07
2038	609686.92	4170983.29	1.29E-06	5.31E-07	1.82E-06	2.14E-07	9.26E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
2039	609678.41	4170986.74	1.27E-06	5.23E-07	1.80E-06	2.11E-07	9.13E-08	3.03E-07	1.56E-07	5.22E-08	2.08E-07
2040	609669.89	4170990.2	1.25E-06	5.14E-07	1.77E-06	2.08E-07	8.98E-08	2.98E-07	1.53E-07	5.13E-08	2.05E-07
2041	609661.38	4170993.66	1.23E-06	5.05E-07	1.73E-06	2.04E-07	8.82E-08	2.92E-07	1.51E-07	5.04E-08	2.01E-07
2042	609652.86	4170997.11	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.64E-08	2.86E-07	1.48E-07	4.94E-08	1.97E-07
2043	609644.35	4171000.57	1.18E-06	4.84E-07	1.66E-06	1.96E-07	8.45E-08	2.80E-07	1.44E-07	4.83E-08	1.93E-07
2044	609635.83	4171004.02	1.15E-06	4.73E-07	1.62E-06	1.91E-07	8.26E-08	2.74E-07	1.41E-07	4.72E-08	1.88E-07
2045	609627.32	4171007.48	1.12E-06	4.61E-07	1.58E-06	1.86E-07	8.05E-08	2.67E-07	1.37E-07	4.60E-08	1.83E-07
2046	609618.8	4171010.94	1.09E-06	4.48E-07	1.54E-06	1.81E-07	7.83E-08	2.59E-07	1.34E-07	4.47E-08	1.78E-07
2047	609893.06	4170732.21	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.33E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
2048	609893.2	4170722.77	1.88E-06	7.71E-07	2.65E-06	3.12E-07	1.35E-07	4.46E-07	2.30E-07	7.69E-08	3.07E-07
2049	609893.34	4170713.33	1.90E-06	7.82E-07	2.68E-06	3.16E-07	1.37E-07	4.53E-07	2.33E-07	7.80E-08	3.11E-07
2050	609893.48	4170703.89	1.93E-06	7.91E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.89E-08	3.15E-07
2051	609893.62	4170694.45	1.94E-06	7.98E-07	2.74E-06	3.22E-07	1.39E-07	4.62E-07	2.38E-07	7.96E-08	3.18E-07
2052	609893.77	4170685.01	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	7.99E-08	3.19E-07
2053	609893.91	4170675.57	1.95E-06	8.03E-07	2.76E-06	3.25E-07	1.40E-07	4.65E-07	2.40E-07	8.01E-08	3.20E-07
2054	609894.05	4170666.13	1.96E-06	8.05E-07	2.76E-06	3.25E-07	1.41E-07	4.66E-07	2.40E-07	8.03E-08	3.21E-07
2055	609894.19	4170656.69	1.96E-06	8.05E-07	2.76E-06	3.25E-07	1.41E-07	4.66E-07	2.40E-07	8.03E-08	3.20E-07
2056	609894.33	4170647.25	1.95E-06	8.03E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	8.00E-08	3.19E-07
2057	609894.48	4170637.81	1.94E-06	7.98E-07	2.74E-06	3.22E-07	1.39E-07	4.62E-07	2.38E-07	7.95E-08	3.17E-07
2058	609894.62	4170628.37	1.92E-06	7.90E-07	2.71E-06	3.19E-07	1.38E-07	4.57E-07	2.36E-07	7.88E-08	3.15E-07
2059	609899.46	4170740.74	1.76E-06	7.23E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.16E-07	7.21E-08	2.88E-07
2060	609895.86	4170749.13	1.76E-06	7.24E-07	2.48E-06	2.93E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
2061	609892.27	4170757.52	1.76E-06	7.23E-07	2.48E-06	2.92E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
2062	609888.67	4170765.91	1.76E-06	7.22E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.15E-07	7.20E-08	2.87E-07
2063	609885.07	4170774.29	1.75E-06	7.20E-07	2.47E-06	2.91E-07	1.26E-07	4.16E-07	2.15E-07	7.18E-08	2.86E-07
2064	609881.48	4170782.68	1.74E-06	7.16E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.14E-07	7.14E-08	2.85E-07
2065	609877.88	4170791.07	1.73E-06	7.11E-07	2.44E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.10E-08	2.83E-07
2066	609874.28	4170799.46	1.72E-06	7.06E-07	2.42E-06	2.85E-07	1.23E-07	4.09E-07	2.11E-07	7.04E-08	2.81E-07
2067	609870.69	4170807.84	1.70E-06	7.00E-07	2.40E-06	2.83E-07	1.22E-07	4.05E-07	2.09E-07	6.98E-08	2.78E-07
2068	609867.09	4170816.23	1.68E-06	6.92E-07	2.38E-06	2.80E-07	1.21E-07	4.01E-07	2.06E-07	6.90E-08	2.76E-07
2069	609859.9	4170833.01	1.64E-06	6.75E-07	2.32E-06	2.73E-07	1.18E-07	3.91E-07	2.01E-07	6.73E-08	2.69E-07
2070	609856.3	4170841.4	1.62E-06	6.66E-07	2.29E-06	2.69E-07	1.16E-07	3.85E-07	1.99E-07	6.64E-08	2.65E-07
2071	609852.7	4170849.78	1.60E-06	6.56E-07	2.25E-06	2.65E-07	1.15E-07	3.80E-07	1.96E-07	6.54E-08	2.61E-07
2072	609849.1	4170858.17	1.57E-06	6.45E-07	2.21E-06	2.61E-07	1.13E-07	3.73E-07	1.92E-07	6.43E-08	2.57E-07
2073	609845.51	4170866.56	1.54E-06	6.34E-07	2.18E-06	2.56E-07	1.11E-07	3.67E-07	1.89E-07	6.32E-08	2.52E-07
2074	609841.91	4170874.95	1.51E-06	6.22E-07	2.13E-06	2.51E-07	1.09E-07	3.60E-07	1.85E-07	6.20E-08	2.48E-07
2075	609838.31	4170883.33	1.48E-06	6.10E-07	2.09E-06	2.46E-07	1.06E-07	3.53E-07	1.82E-07	6.08E-08	2.43E-07

2076	609834.72	4170891.72	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.45E-07	1.78E-07	5.95E-08	2.38E-07
2077	609827.52	4170908.5	1.39E-06	5.71E-07	1.96E-06	2.31E-07	9.96E-08	3.30E-07	1.70E-07	5.69E-08	2.27E-07
2078	609823.93	4170916.88	1.36E-06	5.57E-07	1.91E-06	2.25E-07	9.73E-08	3.22E-07	1.66E-07	5.56E-08	2.22E-07
2079	609820.33	4170925.27	1.32E-06	5.44E-07	1.87E-06	2.20E-07	9.49E-08	3.15E-07	1.62E-07	5.42E-08	2.16E-07
2080	609816.73	4170933.66	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.07E-07	1.58E-07	5.28E-08	2.11E-07
2081	609804.68	4170945.48	1.26E-06	5.20E-07	1.78E-06	2.10E-07	9.08E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
2082	609796.22	4170948.91	1.27E-06	5.23E-07	1.80E-06	2.11E-07	9.14E-08	3.03E-07	1.56E-07	5.22E-08	2.08E-07
2083	609787.77	4170952.34	1.28E-06	5.26E-07	1.81E-06	2.13E-07	9.18E-08	3.04E-07	1.57E-07	5.25E-08	2.09E-07
2084	609779.31	4170955.77	1.29E-06	5.28E-07	1.81E-06	2.13E-07	9.22E-08	3.06E-07	1.58E-07	5.27E-08	2.10E-07
2085	609770.86	4170959.21	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.06E-07	1.58E-07	5.28E-08	2.11E-07
2086	609762.4	4170962.64	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.26E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
2087	609753.94	4170966.07	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
2088	609745.49	4170969.5	1.29E-06	5.29E-07	1.82E-06	2.14E-07	9.24E-08	3.06E-07	1.58E-07	5.28E-08	2.11E-07
2089	609737.03	4170972.93	1.28E-06	5.28E-07	1.81E-06	2.13E-07	9.21E-08	3.05E-07	1.57E-07	5.26E-08	2.10E-07
2090	609728.57	4170976.37	1.28E-06	5.25E-07	1.80E-06	2.12E-07	9.17E-08	3.04E-07	1.57E-07	5.24E-08	2.09E-07
2091	609720.12	4170979.8	1.27E-06	5.22E-07	1.79E-06	2.11E-07	9.11E-08	3.02E-07	1.56E-07	5.20E-08	2.08E-07
2092	609711.66	4170983.23	1.26E-06	5.17E-07	1.78E-06	2.09E-07	9.03E-08	2.99E-07	1.54E-07	5.16E-08	2.06E-07
2093	609703.2	4170986.66	1.25E-06	5.12E-07	1.76E-06	2.07E-07	8.95E-08	2.97E-07	1.53E-07	5.11E-08	2.04E-07
2094	609694.75	4170990.09	1.23E-06	5.07E-07	1.74E-06	2.05E-07	8.84E-08	2.93E-07	1.51E-07	5.05E-08	2.02E-07
2095	609686.29	4170993.53	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.73E-08	2.89E-07	1.49E-07	4.99E-08	1.99E-07
2096	609677.84	4170996.96	1.20E-06	4.92E-07	1.69E-06	1.99E-07	8.60E-08	2.85E-07	1.47E-07	4.91E-08	1.96E-07
2097	609669.38	4171000.39	1.18E-06	4.84E-07	1.66E-06	1.96E-07	8.45E-08	2.80E-07	1.44E-07	4.83E-08	1.93E-07
2098	609660.92	4171003.82	1.16E-06	4.75E-07	1.63E-06	1.92E-07	8.30E-08	2.75E-07	1.42E-07	4.74E-08	1.89E-07
2099	609652.47	4171007.25	1.13E-06	4.66E-07	1.60E-06	1.88E-07	8.13E-08	2.70E-07	1.39E-07	4.64E-08	1.85E-07
2100	609644.01	4171010.69	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.95E-08	2.64E-07	1.36E-07	4.54E-08	1.81E-07
2101	609635.55	4171014.12	1.08E-06	4.45E-07	1.53E-06	1.80E-07	7.76E-08	2.57E-07	1.33E-07	4.44E-08	1.77E-07
2102	609627.1	4171017.55	1.05E-06	4.34E-07	1.49E-06	1.75E-07	7.57E-08	2.51E-07	1.29E-07	4.32E-08	1.73E-07
2103	609903.06	4170732.36	1.75E-06	7.21E-07	2.47E-06	2.91E-07	1.26E-07	4.17E-07	2.15E-07	7.19E-08	2.87E-07
2104	609903.2	4170722.92	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.23E-07	2.18E-07	7.30E-08	2.91E-07
2105	609903.34	4170713.48	1.80E-06	7.41E-07	2.54E-06	3.00E-07	1.29E-07	4.29E-07	2.21E-07	7.39E-08	2.95E-07
2106	609903.48	4170704.04	1.82E-06	7.50E-07	2.57E-06	3.03E-07	1.31E-07	4.34E-07	2.24E-07	7.47E-08	2.98E-07
2107	609903.62	4170694.6	1.84E-06	7.55E-07	2.59E-06	3.05E-07	1.32E-07	4.37E-07	2.25E-07	7.53E-08	3.01E-07
2108	609903.77	4170685.16	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.33E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
2109	609903.91	4170675.72	1.85E-06	7.62E-07	2.62E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.60E-08	3.03E-07
2110	609904.05	4170666.28	1.86E-06	7.64E-07	2.62E-06	3.09E-07	1.33E-07	4.42E-07	2.28E-07	7.62E-08	3.04E-07
2111	609904.19	4170656.84	1.86E-06	7.64E-07	2.62E-06	3.09E-07	1.33E-07	4.42E-07	2.28E-07	7.62E-08	3.04E-07
2112	609904.33	4170647.4	1.85E-06	7.62E-07	2.61E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.60E-08	3.03E-07
2113	609904.47	4170637.96	1.84E-06	7.57E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.55E-08	3.01E-07
2114	609904.62	4170628.52	1.83E-06	7.51E-07	2.58E-06	3.04E-07	1.31E-07	4.35E-07	2.24E-07	7.49E-08	2.99E-07
2115	609909.34	4170741.17	1.67E-06	6.87E-07	2.36E-06	2.77E-07	1.20E-07	3.97E-07	2.05E-07	6.85E-08	2.73E-07
2116	609905.62	4170749.84	1.68E-06	6.89E-07	2.36E-06	2.78E-07	1.20E-07	3.99E-07	2.05E-07	6.87E-08	2.74E-07
2117	609901.91	4170758.51	1.67E-06	6.88E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.87E-08	2.74E-07
2118	609898.19	4170767.18	1.67E-06	6.87E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.85E-08	2.73E-07
2119	609894.47	4170775.84	1.67E-06	6.85E-07	2.35E-06	2.77E-07	1.20E-07	3.96E-07	2.04E-07	6.83E-08	2.73E-07
2120	609890.76	4170784.51	1.66E-06	6.81E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.80E-08	2.71E-07
2121	609887.04	4170793.18	1.65E-06	6.77E-07	2.32E-06	2.74E-07	1.18E-07	3.92E-07	2.02E-07	6.75E-08	2.70E-07
2122	609883.32	4170801.84	1.64E-06	6.72E-07	2.31E-06	2.72E-07	1.17E-07	3.89E-07	2.00E-07	6.70E-08	2.67E-07
2123	609879.61	4170810.51	1.62E-06	6.66E-07	2.29E-06	2.69E-07	1.16E-07	3.85E-07	1.99E-07	6.64E-08	2.65E-07
2124	609875.89	4170819.18	1.60E-06	6.59E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.97E-07	6.57E-08	2.62E-07
2125	609872.17	4170827.85	1.58E-06	6.51E-07	2.24E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.50E-08	2.59E-07
2126	609868.46	4170836.51	1.56E-06	6.43E-07	2.21E-06	2.60E-07	1.12E-07	3.72E-07	1.92E-07	6.41E-08	2.56E-07
2127	609864.74	4170845.18	1.54E-06	6.34E-07	2.18E-06	2.56E-07	1.11E-07	3.67E-07	1.89E-07	6.32E-08	2.52E-07
2128	609861.02	4170853.85	1.52E-06	6.24E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.23E-08	2.49E-07
2129	609857.31	4170862.51	1.49E-06	6.14E-07	2.11E-06	2.48E-07	1.07E-07	3.55E-07	1.83E-07	6.12E-08	2.44E-07
2130	609853.59	4170871.18	1.47E-06	6.03E-07	2.07E-06	2.44E-07	1.05E-07	3.49E-07	1.80E-07	6.02E-08	2.40E-07
2131	609849.87	4170879.85	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.43E-07	1.77E-07	5.90E-08	2.36E-07
2132	609846.16	4170888.52	1.41E-06	5.80E-07	1.99E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.79E-08	2.31E-07
2133	609842.44	4170897.18	1.38E-06	5.68E-07	1.95E-06	2.30E-07	9.92E-08	3.29E-07	1.69E-07	5.67E-08	2.26E-07
2134	609838.72	4170905.85	1.35E-06	5.56E-07	1.91E-06	2.25E-07	9.70E-08	3.22E-07	1.66E-07	5.54E-08	2.21E-07
2135	609835.01	4170914.52	1.32E-06	5.43E-07	1.86E-06	2.20E-07	9.48E-08	3.14E-07	1.62E-07	5.42E-08	2.16E-07
2136	609831.29	4170923.18	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.26E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
2137	609827.57	4170931.85	1.26E-06	5.17E-07	1.78E-06	2.09E-07	9.03E-08	2.99E-07	1.54E-07	5.16E-08	2.06E-07
2138	609823.86	4170940.52	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.80E-08	2.92E-07	1.50E-07	5.03E-08	2.01E-07

2139	609811.4	4170952.73	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.63E-08	2.86E-07	1.48E-07	4.93E-08	1.97E-07
2140	609802.66	4170956.28	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.69E-08	2.88E-07	1.48E-07	4.96E-08	1.98E-07
2141	609793.92	4170959.83	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.74E-08	2.90E-07	1.49E-07	4.99E-08	1.99E-07
2142	609785.19	4170963.37	1.22E-06	5.02E-07	1.72E-06	2.03E-07	8.77E-08	2.91E-07	1.50E-07	5.01E-08	2.00E-07
2143	609776.45	4170966.92	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.79E-08	2.91E-07	1.50E-07	5.02E-08	2.00E-07
2144	609767.71	4170970.46	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.80E-08	2.92E-07	1.50E-07	5.03E-08	2.01E-07
2145	609758.97	4170974.01	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.80E-08	2.92E-07	1.50E-07	5.03E-08	2.01E-07
2146	609750.23	4170977.56	1.22E-06	5.03E-07	1.73E-06	2.03E-07	8.78E-08	2.91E-07	1.50E-07	5.02E-08	2.00E-07
2147	609741.49	4170981.1	1.22E-06	5.01E-07	1.72E-06	2.03E-07	8.75E-08	2.90E-07	1.50E-07	5.00E-08	2.00E-07
2148	609732.76	4170984.65	1.21E-06	4.99E-07	1.71E-06	2.02E-07	8.71E-08	2.89E-07	1.49E-07	4.98E-08	1.99E-07
2149	609724.02	4170988.2	1.21E-06	4.96E-07	1.70E-06	2.00E-07	8.65E-08	2.87E-07	1.48E-07	4.94E-08	1.97E-07
2150	609715.28	4170991.74	1.20E-06	4.92E-07	1.69E-06	1.99E-07	8.58E-08	2.84E-07	1.47E-07	4.90E-08	1.96E-07
2151	609706.54	4170995.29	1.18E-06	4.87E-07	1.67E-06	1.97E-07	8.50E-08	2.82E-07	1.45E-07	4.85E-08	1.94E-07
2152	609697.8	4170998.84	1.17E-06	4.81E-07	1.65E-06	1.94E-07	8.40E-08	2.78E-07	1.43E-07	4.80E-08	1.91E-07
2153	609689.07	4171002.38	1.15E-06	4.74E-07	1.63E-06	1.92E-07	8.28E-08	2.75E-07	1.41E-07	4.73E-08	1.89E-07
2154	609680.33	4171005.93	1.14E-06	4.67E-07	1.60E-06	1.89E-07	8.15E-08	2.70E-07	1.39E-07	4.66E-08	1.86E-07
2155	609671.59	4171009.48	1.12E-06	4.59E-07	1.58E-06	1.85E-07	8.01E-08	2.66E-07	1.37E-07	4.58E-08	1.83E-07
2156	609662.85	4171013.02	1.10E-06	4.50E-07	1.55E-06	1.82E-07	7.86E-08	2.61E-07	1.34E-07	4.49E-08	1.79E-07
2157	609654.11	4171016.57	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.70E-08	2.55E-07	1.32E-07	4.40E-08	1.76E-07
2158	609645.37	4171020.11	1.05E-06	4.31E-07	1.48E-06	1.74E-07	7.53E-08	2.49E-07	1.29E-07	4.30E-08	1.72E-07
2159	609913.06	4170732.51	1.66E-06	6.83E-07	2.35E-06	2.76E-07	1.19E-07	3.95E-07	2.04E-07	6.81E-08	2.72E-07
2160	609913.2	4170723.07	1.69E-06	6.93E-07	2.38E-06	2.80E-07	1.21E-07	4.01E-07	2.07E-07	6.92E-08	2.76E-07
2161	609913.34	4170713.63	1.71E-06	7.02E-07	2.41E-06	2.84E-07	1.23E-07	4.06E-07	2.10E-07	7.00E-08	2.80E-07
2162	609913.48	4170704.19	1.73E-06	7.10E-07	2.44E-06	2.87E-07	1.24E-07	4.11E-07	2.12E-07	7.08E-08	2.83E-07
2163	609913.62	4170694.75	1.74E-06	7.16E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.14E-07	7.14E-08	2.85E-07
2164	609913.76	4170685.31	1.75E-06	7.20E-07	2.47E-06	2.91E-07	1.26E-07	4.17E-07	2.15E-07	7.18E-08	2.87E-07
2165	609913.91	4170675.87	1.76E-06	7.23E-07	2.48E-06	2.92E-07	1.26E-07	4.19E-07	2.16E-07	7.21E-08	2.88E-07
2166	609914.05	4170666.43	1.76E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.16E-07	7.23E-08	2.89E-07
2167	609914.19	4170656.99	1.77E-06	7.25E-07	2.49E-06	2.93E-07	1.27E-07	4.20E-07	2.16E-07	7.24E-08	2.89E-07
2168	609914.33	4170647.55	1.76E-06	7.24E-07	2.48E-06	2.93E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
2169	609914.47	4170638.11	1.75E-06	7.20E-07	2.47E-06	2.91E-07	1.26E-07	4.17E-07	2.15E-07	7.18E-08	2.87E-07
2170	609914.62	4170628.67	1.74E-06	7.15E-07	2.45E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.13E-08	2.85E-07
2171	609691.06	4170600.31	6.66E-06	2.74E-06	9.39E-06	1.11E-06	4.78E-07	1.58E-06	8.16E-07	2.73E-07	1.09E-06
2172	609700.62	4170597.39	5.99E-06	2.46E-06	8.45E-06	9.94E-07	4.30E-07	1.42E-06	7.34E-07	2.45E-07	9.79E-07
2173	609710.18	4170594.47	5.42E-06	2.23E-06	7.64E-06	9.00E-07	3.89E-07	1.29E-06	6.64E-07	2.22E-07	8.86E-07
2174	609719.74	4170591.55	4.93E-06	2.03E-06	6.96E-06	8.19E-07	3.54E-07	1.17E-06	6.04E-07	2.02E-07	8.07E-07
2175	609729.3	4170588.62	4.50E-06	1.85E-06	6.35E-06	7.47E-07	3.23E-07	1.07E-06	5.52E-07	1.84E-07	7.36E-07
2176	609730.94	4170600.11	4.88E-06	2.00E-06	6.88E-06	8.10E-07	3.50E-07	1.16E-06	5.98E-07	2.00E-07	7.98E-07
2177	609738.86	4170585.69	4.12E-06	1.69E-06	5.81E-06	6.84E-07	2.96E-07	9.80E-07	5.05E-07	1.69E-07	6.74E-07
2178	609740.51	4170597.24	4.45E-06	1.83E-06	6.29E-06	7.40E-07	3.20E-07	1.06E-06	5.46E-07	1.83E-07	7.29E-07
2179	609748.42	4170582.76	3.80E-06	1.56E-06	5.36E-06	6.30E-07	2.72E-07	9.03E-07	4.65E-07	1.56E-07	6.21E-07
2180	609750.08	4170594.36	4.09E-06	1.68E-06	5.77E-06	6.79E-07	2.93E-07	9.72E-07	5.01E-07	1.68E-07	6.69E-07
2181	609757.98	4170579.83	3.51E-06	1.44E-06	4.96E-06	5.83E-07	2.52E-07	8.35E-07	4.31E-07	1.44E-07	5.75E-07
2182	609759.64	4170591.48	3.77E-06	1.55E-06	5.32E-06	6.26E-07	2.70E-07	8.96E-07	4.62E-07	1.54E-07	6.17E-07
2183	609767.54	4170576.9	3.26E-06	1.34E-06	4.60E-06	5.42E-07	2.34E-07	7.76E-07	4.00E-07	1.34E-07	5.33E-07
2184	609769.21	4170588.58	3.49E-06	1.43E-06	4.92E-06	5.79E-07	2.50E-07	8.29E-07	4.27E-07	1.43E-07	5.70E-07
2185	609770.88	4170600.27	3.69E-06	1.52E-06	5.20E-06	6.13E-07	2.65E-07	8.77E-07	4.52E-07	1.51E-07	6.03E-07
2186	609777.1	4170573.96	3.04E-06	1.25E-06	4.28E-06	5.04E-07	2.18E-07	7.22E-07	3.72E-07	1.24E-07	4.97E-07
2187	609778.77	4170585.69	3.24E-06	1.33E-06	4.57E-06	5.38E-07	2.32E-07	7.70E-07	3.97E-07	1.33E-07	5.30E-07
2188	609780.44	4170597.41	3.42E-06	1.40E-06	4.82E-06	5.68E-07	2.45E-07	8.13E-07	4.19E-07	1.40E-07	5.59E-07
2189	609786.65	4170571.03	2.83E-06	1.16E-06	4.00E-06	4.71E-07	2.03E-07	6.74E-07	3.47E-07	1.16E-07	4.64E-07
2190	609788.33	4170582.78	3.02E-06	1.24E-06	4.25E-06	5.01E-07	2.16E-07	7.17E-07	3.70E-07	1.24E-07	4.93E-07
2191	609790.01	4170594.54	3.18E-06	1.31E-06	4.48E-06	5.28E-07	2.28E-07	7.56E-07	3.90E-07	1.30E-07	5.20E-07
2192	609796.21	4170568.09	2.65E-06	1.09E-06	3.74E-06	4.41E-07	1.90E-07	6.31E-07	3.25E-07	1.09E-07	4.34E-07
2193	609797.47	4170576.93	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.60E-07	3.40E-07	1.14E-07	4.54E-07
2194	609799.16	4170588.72	2.93E-06	1.20E-06	4.13E-06	4.86E-07	2.10E-07	6.96E-07	3.59E-07	1.20E-07	4.79E-07
2195	609800.84	4170600.5	3.06E-06	1.26E-06	4.31E-06	5.08E-07	2.19E-07	7.27E-07	3.75E-07	1.25E-07	5.00E-07
2196	609805.77	4170565.16	2.49E-06	1.02E-06	3.51E-06	4.13E-07	1.79E-07	5.92E-07	3.05E-07	1.02E-07	4.07E-07
2197	609807.46	4170576.97	2.64E-06	1.08E-06	3.72E-06	4.38E-07	1.89E-07	6.27E-07	3.23E-07	1.08E-07	4.31E-07
2198	609809.14	4170588.78	2.77E-06	1.14E-06	3.91E-06	4.60E-07	1.99E-07	6.59E-07	3.39E-07	1.13E-07	4.53E-07
2199	609810.41	4170597.64	2.85E-06	1.17E-06	4.03E-06	4.74E-07	2.05E-07	6.79E-07	3.50E-07	1.17E-07	4.67E-07
2200	609815.33	4170562.22	2.34E-06	9.61E-07	3.30E-06	3.89E-07	1.68E-07	5.56E-07	2.87E-07	9.59E-08	3.83E-07
2201	609817.02	4170574.05	2.47E-06	1.02E-06	3.49E-06	4.11E-07	1.77E-07	5.88E-07	3.03E-07	1.01E-07	4.05E-07

2202	609818.29	4170582.93	2.56E-06	1.05E-06	3.62E-06	4.26E-07	1.84E-07	6.10E-07	3.14E-07	1.05E-07	4.20E-07
2203	609819.98	4170594.77	2.67E-06	1.10E-06	3.77E-06	4.44E-07	1.92E-07	6.36E-07	3.28E-07	1.10E-07	4.37E-07
2204	609824.89	4170559.28	2.20E-06	9.06E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.03E-08	3.60E-07
2205	609826.16	4170568.17	2.30E-06	9.44E-07	3.24E-06	3.81E-07	1.65E-07	5.46E-07	2.82E-07	9.41E-08	3.76E-07
2206	609827.85	4170580.03	2.41E-06	9.90E-07	3.40E-06	4.00E-07	1.73E-07	5.73E-07	2.95E-07	9.88E-08	3.94E-07
2207	609829.12	4170588.93	2.48E-06	1.02E-06	3.51E-06	4.13E-07	1.78E-07	5.91E-07	3.05E-07	1.02E-07	4.06E-07
2208	609830.81	4170600.78	2.57E-06	1.06E-06	3.62E-06	4.27E-07	1.84E-07	6.11E-07	3.15E-07	1.05E-07	4.20E-07
2209	609834.44	4170556.34	2.08E-06	8.54E-07	2.93E-06	3.45E-07	1.49E-07	4.95E-07	2.55E-07	8.52E-08	3.40E-07
2210	609835.72	4170565.25	2.16E-06	8.89E-07	3.05E-06	3.59E-07	1.55E-07	5.15E-07	2.65E-07	8.87E-08	3.54E-07
2211	609836.99	4170574.16	2.24E-06	9.22E-07	3.16E-06	3.72E-07	1.61E-07	5.33E-07	2.75E-07	9.19E-08	3.67E-07
2212	609838.68	4170586.04	2.34E-06	9.60E-07	3.30E-06	3.88E-07	1.68E-07	5.56E-07	2.86E-07	9.58E-08	3.82E-07
2213	609839.96	4170594.95	2.40E-06	9.85E-07	3.38E-06	3.98E-07	1.72E-07	5.70E-07	2.94E-07	9.82E-08	3.92E-07
2214	609844	4170553.4	1.96E-06	8.06E-07	2.77E-06	3.26E-07	1.41E-07	4.67E-07	2.41E-07	8.04E-08	3.21E-07
2215	609845.7	4170565.3	2.07E-06	8.49E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.47E-08	3.38E-07
2216	609846.98	4170574.23	2.14E-06	8.78E-07	3.01E-06	3.55E-07	1.53E-07	5.08E-07	2.62E-07	8.76E-08	3.50E-07
2217	609848.25	4170583.15	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.02E-08	3.60E-07
2218	609849.95	4170595.05	2.27E-06	9.34E-07	3.21E-06	3.78E-07	1.63E-07	5.41E-07	2.79E-07	9.32E-08	3.72E-07
2219	609853.56	4170550.47	1.85E-06	7.62E-07	2.62E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.60E-08	3.03E-07
2220	609854.84	4170559.4	1.93E-06	7.92E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.90E-08	3.15E-07
2221	609856.54	4170571.32	2.02E-06	8.29E-07	2.84E-06	3.35E-07	1.45E-07	4.80E-07	2.47E-07	8.26E-08	3.30E-07
2222	609857.81	4170580.25	2.08E-06	8.53E-07	2.93E-06	3.45E-07	1.49E-07	4.94E-07	2.55E-07	8.51E-08	3.40E-07
2223	609859.09	4170589.19	2.13E-06	8.75E-07	3.00E-06	3.54E-07	1.53E-07	5.06E-07	2.61E-07	8.73E-08	3.48E-07
2224	609860.37	4170598.13	2.17E-06	8.93E-07	3.07E-06	3.61E-07	1.56E-07	5.17E-07	2.66E-07	8.90E-08	3.55E-07
2225	609863.12	4170547.53	1.76E-06	7.22E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.15E-07	7.20E-08	2.87E-07
2226	609864.4	4170556.48	1.82E-06	7.49E-07	2.57E-06	3.03E-07	1.31E-07	4.33E-07	2.23E-07	7.47E-08	2.98E-07
2227	609865.67	4170565.42	1.89E-06	7.75E-07	2.66E-06	3.13E-07	1.35E-07	4.49E-07	2.31E-07	7.73E-08	3.09E-07
2228	609867.38	4170577.36	1.96E-06	8.07E-07	2.77E-06	3.26E-07	1.41E-07	4.67E-07	2.41E-07	8.04E-08	3.21E-07
2229	609868.66	4170586.3	2.01E-06	8.27E-07	2.84E-06	3.34E-07	1.44E-07	4.79E-07	2.47E-07	8.25E-08	3.29E-07
2230	609869.93	4170595.25	2.05E-06	8.44E-07	2.90E-06	3.41E-07	1.47E-07	4.88E-07	2.52E-07	8.41E-08	3.36E-07
2231	609872.67	4170544.59	1.67E-06	6.86E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.05E-07	6.84E-08	2.73E-07
2232	609873.95	4170553.55	1.73E-06	7.11E-07	2.44E-06	2.87E-07	1.24E-07	4.11E-07	2.12E-07	7.09E-08	2.83E-07
2233	609875.23	4170562.51	1.79E-06	7.35E-07	2.52E-06	2.97E-07	1.28E-07	4.25E-07	2.19E-07	7.33E-08	2.92E-07
2234	609876.51	4170571.47	1.84E-06	7.57E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.55E-08	3.01E-07
2235	609877.79	4170580.43	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.49E-07	2.32E-07	7.75E-08	3.09E-07
2236	609879.07	4170589.39	1.93E-06	7.94E-07	2.72E-06	3.21E-07	1.39E-07	4.59E-07	2.37E-07	7.92E-08	3.16E-07
2237	609880.78	4170601.34	1.97E-06	8.11E-07	2.78E-06	3.28E-07	1.42E-07	4.69E-07	2.42E-07	8.09E-08	3.23E-07
2238	609882.23	4170541.65	1.59E-06	6.53E-07	2.24E-06	2.64E-07	1.14E-07	3.78E-07	1.95E-07	6.51E-08	2.60E-07
2239	609883.94	4170553.61	1.66E-06	6.83E-07	2.34E-06	2.76E-07	1.19E-07	3.95E-07	2.04E-07	6.81E-08	2.72E-07
2240	609885.22	4170562.58	1.71E-06	7.04E-07	2.42E-06	2.85E-07	1.23E-07	4.08E-07	2.10E-07	7.02E-08	2.80E-07
2241	609886.5	4170571.55	1.76E-06	7.24E-07	2.49E-06	2.93E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
2242	609887.78	4170580.52	1.81E-06	7.42E-07	2.55E-06	3.00E-07	1.30E-07	4.29E-07	2.21E-07	7.40E-08	2.95E-07
2243	609889.07	4170589.49	1.84E-06	7.57E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.55E-08	3.01E-07
2244	609890.35	4170598.46	1.87E-06	7.69E-07	2.64E-06	3.11E-07	1.34E-07	4.45E-07	2.29E-07	7.67E-08	3.06E-07
2245	609891.78	4170538.61	1.51E-06	6.21E-07	2.13E-06	2.51E-07	1.08E-07	3.60E-07	1.85E-07	6.20E-08	2.47E-07
2246	609893.43	4170550.21	1.58E-06	6.49E-07	2.23E-06	2.62E-07	1.13E-07	3.75E-07	1.93E-07	6.47E-08	2.58E-07
2247	609895.09	4170561.82	1.64E-06	6.74E-07	2.31E-06	2.72E-07	1.18E-07	3.90E-07	2.01E-07	6.72E-08	2.68E-07
2248	609896.75	4170573.42	1.69E-06	6.96E-07	2.39E-06	2.81E-07	1.22E-07	4.03E-07	2.08E-07	6.95E-08	2.77E-07
2249	609898.4	4170585.02	1.74E-06	7.16E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.14E-08	2.85E-07
2250	609900.06	4170596.62	1.78E-06	7.30E-07	2.51E-06	2.95E-07	1.28E-07	4.23E-07	2.18E-07	7.28E-08	2.91E-07
2251	609901.33	4170535.68	1.44E-06	5.93E-07	2.04E-06	2.40E-07	1.03E-07	3.43E-07	1.77E-07	5.91E-08	2.36E-07
2252	609902.99	4170547.3	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.58E-07	1.84E-07	6.16E-08	2.46E-07
2253	609904.65	4170558.92	1.56E-06	6.41E-07	2.20E-06	2.59E-07	1.12E-07	3.71E-07	1.91E-07	6.39E-08	2.55E-07
2254	609906.31	4170570.55	1.61E-06	6.62E-07	2.27E-06	2.67E-07	1.16E-07	3.83E-07	1.97E-07	6.60E-08	2.63E-07
2255	609907.97	4170582.17	1.65E-06	6.79E-07	2.33E-06	2.75E-07	1.19E-07	3.93E-07	2.03E-07	6.77E-08	2.70E-07
2256	609909.63	4170593.8	1.69E-06	6.93E-07	2.38E-06	2.80E-07	1.21E-07	4.01E-07	2.07E-07	6.91E-08	2.76E-07
2257	609647.81	4170597.78	9.30E-06	3.82E-06	1.31E-05	1.54E-06	6.67E-07	2.21E-06	1.14E-06	3.81E-07	1.52E-06
2258	609656.53	4170592.9	7.98E-06	3.28E-06	1.13E-05	1.33E-06	5.73E-07	1.90E-06	9.79E-07	3.27E-07	1.31E-06
2259	609665.24	4170588	6.95E-06	2.85E-06	9.80E-06	1.15E-06	4.98E-07	1.65E-06	8.52E-07	2.85E-07	1.14E-06
2260	609673.94	4170583.09	6.11E-06	2.51E-06	8.62E-06	1.01E-06	4.38E-07	1.45E-06	7.49E-07	2.50E-07	9.99E-07
2261	609678.13	4170592.75	6.75E-06	2.77E-06	9.53E-06	1.12E-06	4.84E-07	1.61E-06	8.28E-07	2.77E-07	1.10E-06
2262	609682.65	4170578.17	5.42E-06	2.23E-06	7.64E-06	9.00E-07	3.89E-07	1.29E-06	6.64E-07	2.22E-07	8.86E-07
2263	609686.92	4170588.05	5.97E-06	2.46E-06	8.43E-06	9.92E-07	4.29E-07	1.42E-06	7.32E-07	2.45E-07	9.77E-07
2264	609691.29	4170573.11	4.84E-06	1.99E-06	6.82E-06	8.03E-07	3.47E-07	1.15E-06	5.93E-07	1.98E-07	7.91E-07

2265	609695.31	4170582.4	5.28E-06	2.17E-06	7.46E-06	8.78E-07	3.79E-07	1.26E-06	6.48E-07	2.17E-07	8.65E-07
2266	609699.99	4170568.19	4.35E-06	1.79E-06	6.13E-06	7.22E-07	3.12E-07	1.03E-06	5.33E-07	1.78E-07	7.11E-07
2267	609704.1	4170577.68	4.75E-06	1.95E-06	6.70E-06	7.89E-07	3.41E-07	1.13E-06	5.82E-07	1.95E-07	7.77E-07
2268	609708.69	4170563.27	3.92E-06	1.61E-06	5.53E-06	6.51E-07	2.81E-07	9.32E-07	4.80E-07	1.61E-07	6.41E-07
2269	609712.87	4170572.92	4.28E-06	1.76E-06	6.04E-06	7.11E-07	3.07E-07	1.02E-06	5.25E-07	1.75E-07	7.00E-07
2270	609717.05	4170582.58	4.62E-06	1.90E-06	6.52E-06	7.67E-07	3.31E-07	1.10E-06	5.66E-07	1.89E-07	7.55E-07
2271	609717.38	4170558.33	3.55E-06	1.46E-06	5.01E-06	5.90E-07	2.55E-07	8.44E-07	4.35E-07	1.46E-07	5.81E-07
2272	609721.63	4170568.14	3.88E-06	1.59E-06	5.47E-06	6.44E-07	2.78E-07	9.22E-07	4.75E-07	1.59E-07	6.34E-07
2273	609725.88	4170577.95	4.18E-06	1.72E-06	5.89E-06	6.94E-07	3.00E-07	9.93E-07	5.12E-07	1.71E-07	6.83E-07
2274	609726.04	4170553.31	3.24E-06	1.33E-06	4.57E-06	5.38E-07	2.32E-07	7.71E-07	3.97E-07	1.33E-07	5.30E-07
2275	609730.11	4170562.7	3.51E-06	1.44E-06	4.95E-06	5.83E-07	2.52E-07	8.35E-07	4.30E-07	1.44E-07	5.74E-07
2276	609734.17	4170572.09	3.77E-06	1.55E-06	5.32E-06	6.26E-07	2.70E-07	8.96E-07	4.62E-07	1.54E-07	6.16E-07
2277	609734.74	4170548.38	2.97E-06	1.22E-06	4.20E-06	4.94E-07	2.13E-07	7.07E-07	3.65E-07	1.22E-07	4.87E-07
2278	609738.86	4170557.91	3.22E-06	1.32E-06	4.54E-06	5.34E-07	2.31E-07	7.65E-07	3.94E-07	1.32E-07	5.26E-07
2279	609742.99	4170567.44	3.45E-06	1.42E-06	4.86E-06	5.72E-07	2.47E-07	8.19E-07	4.22E-07	1.41E-07	5.64E-07
2280	609743.43	4170543.44	2.74E-06	1.13E-06	3.87E-06	4.55E-07	1.97E-07	6.52E-07	3.36E-07	1.12E-07	4.48E-07
2281	609747.61	4170553.1	2.96E-06	1.22E-06	4.17E-06	4.91E-07	2.12E-07	7.04E-07	3.63E-07	1.21E-07	4.84E-07
2282	609751.79	4170562.76	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.53E-07	3.88E-07	1.30E-07	5.18E-07
2283	609752.12	4170538.51	2.53E-06	1.04E-06	3.57E-06	4.21E-07	1.82E-07	6.02E-07	3.11E-07	1.04E-07	4.14E-07
2284	609756.36	4170548.28	2.73E-06	1.12E-06	3.85E-06	4.54E-07	1.96E-07	6.50E-07	3.35E-07	1.12E-07	4.47E-07
2285	609760.59	4170558.05	2.92E-06	1.20E-06	4.12E-06	4.85E-07	2.10E-07	6.95E-07	3.58E-07	1.20E-07	4.78E-07
2286	609764.82	4170567.83	3.10E-06	1.27E-06	4.37E-06	5.14E-07	2.22E-07	7.36E-07	3.80E-07	1.27E-07	5.06E-07
2287	609760.82	4170533.57	2.35E-06	9.65E-07	3.31E-06	3.90E-07	1.69E-07	5.59E-07	2.88E-07	9.63E-08	3.84E-07
2288	609765.1	4170543.45	2.53E-06	1.04E-06	3.57E-06	4.20E-07	1.82E-07	6.02E-07	3.10E-07	1.04E-07	4.14E-07
2289	609769.37	4170553.33	2.70E-06	1.11E-06	3.81E-06	4.49E-07	1.94E-07	6.43E-07	3.31E-07	1.11E-07	4.42E-07
2290	609773.65	4170563.2	2.86E-06	1.18E-06	4.04E-06	4.76E-07	2.05E-07	6.81E-07	3.51E-07	1.17E-07	4.68E-07
2291	609769.48	4170528.56	2.18E-06	8.97E-07	3.08E-06	3.63E-07	1.57E-07	5.19E-07	2.68E-07	8.95E-08	3.57E-07
2292	609773.62	4170538.12	2.34E-06	9.62E-07	3.30E-06	3.89E-07	1.68E-07	5.57E-07	2.87E-07	9.60E-08	3.83E-07
2293	609777.76	4170547.68	2.49E-06	1.03E-06	3.52E-06	4.14E-07	1.79E-07	5.93E-07	3.06E-07	1.02E-07	4.08E-07
2294	609781.9	4170557.23	2.64E-06	1.08E-06	3.72E-06	4.38E-07	1.89E-07	6.27E-07	3.23E-07	1.08E-07	4.31E-07
2295	609778.17	4170523.62	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.34E-08	3.33E-07
2296	609782.36	4170533.28	2.18E-06	8.96E-07	3.08E-06	3.62E-07	1.56E-07	5.19E-07	2.67E-07	8.94E-08	3.57E-07
2297	609786.54	4170542.94	2.32E-06	9.54E-07	3.28E-06	3.86E-07	1.67E-07	5.52E-07	2.85E-07	9.52E-08	3.80E-07
2298	609790.72	4170552.6	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.01E-07	1.01E-07	4.01E-07
2299	609786.87	4170518.68	1.90E-06	7.82E-07	2.68E-06	3.16E-07	1.36E-07	4.52E-07	2.33E-07	7.80E-08	3.11E-07
2300	609791.09	4170528.43	2.04E-06	8.37E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.50E-07	8.35E-08	3.33E-07
2301	609795.31	4170538.18	2.17E-06	8.90E-07	3.06E-06	3.60E-07	1.55E-07	5.15E-07	2.66E-07	8.88E-08	3.54E-07
2302	609799.53	4170547.94	2.29E-06	9.40E-07	3.23E-06	3.80E-07	1.64E-07	5.44E-07	2.81E-07	9.38E-08	3.74E-07
2303	609795.56	4170513.74	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.24E-07	2.18E-07	7.30E-08	2.91E-07
2304	609799.82	4170523.58	1.91E-06	7.83E-07	2.69E-06	3.17E-07	1.37E-07	4.53E-07	2.34E-07	7.81E-08	3.12E-07
2305	609804.08	4170533.42	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.45E-07	4.82E-07	2.48E-07	8.30E-08	3.31E-07
2306	609808.34	4170543.25	2.14E-06	8.79E-07	3.02E-06	3.55E-07	1.53E-07	5.09E-07	2.62E-07	8.77E-08	3.50E-07
2307	609812.6	4170553.09	2.24E-06	9.21E-07	3.16E-06	3.72E-07	1.61E-07	5.33E-07	2.75E-07	9.19E-08	3.67E-07
2308	609804.23	4170508.74	1.67E-06	6.87E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.85E-08	2.73E-07
2309	609808.37	4170518.32	1.78E-06	7.33E-07	2.52E-06	2.96E-07	1.28E-07	4.24E-07	2.19E-07	7.31E-08	2.92E-07
2310	609812.52	4170527.89	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.50E-07	2.32E-07	7.75E-08	3.09E-07
2311	609816.66	4170537.47	1.99E-06	8.19E-07	2.81E-06	3.31E-07	1.43E-07	4.74E-07	2.44E-07	8.17E-08	3.26E-07
2312	609820.81	4170547.04	2.09E-06	8.57E-07	2.94E-06	3.47E-07	1.50E-07	4.96E-07	2.56E-07	8.55E-08	3.41E-07
2313	609812.92	4170503.8	1.57E-06	6.45E-07	2.21E-06	2.61E-07	1.13E-07	3.73E-07	1.92E-07	6.43E-08	2.57E-07
2314	609817.1	4170513.46	1.67E-06	6.88E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.86E-08	2.74E-07
2315	609821.28	4170523.12	1.78E-06	7.30E-07	2.51E-06	2.95E-07	1.27E-07	4.22E-07	2.18E-07	7.28E-08	2.90E-07
2316	609825.46	4170532.78	1.87E-06	7.69E-07	2.64E-06	3.11E-07	1.34E-07	4.45E-07	2.29E-07	7.67E-08	3.06E-07
2317	609829.64	4170542.43	1.96E-06	8.05E-07	2.76E-06	3.25E-07	1.41E-07	4.66E-07	2.40E-07	8.03E-08	3.20E-07
2318	609821.61	4170498.86	1.48E-06	6.07E-07	2.08E-06	2.45E-07	1.06E-07	3.51E-07	1.81E-07	6.05E-08	2.41E-07
2319	609825.82	4170508.59	1.57E-06	6.47E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.45E-08	2.57E-07
2320	609830.04	4170518.33	1.67E-06	6.86E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.05E-07	6.84E-08	2.73E-07
2321	609834.26	4170528.07	1.76E-06	7.23E-07	2.48E-06	2.92E-07	1.26E-07	4.19E-07	2.16E-07	7.21E-08	2.88E-07
2322	609838.47	4170537.8	1.84E-06	7.56E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.54E-08	3.01E-07
2323	609830.3	4170493.91	1.39E-06	5.71E-07	1.96E-06	2.31E-07	9.97E-08	3.31E-07	1.70E-07	5.70E-08	2.27E-07
2324	609834.55	4170503.72	1.48E-06	6.09E-07	2.09E-06	2.46E-07	1.06E-07	3.52E-07	1.82E-07	6.07E-08	2.42E-07
2325	609838.79	4170513.53	1.57E-06	6.45E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.44E-08	2.57E-07
2326	609843.04	4170523.34	1.65E-06	6.80E-07	2.33E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.78E-08	2.71E-07
2327	609847.29	4170533.15	1.73E-06	7.11E-07	2.44E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.09E-08	2.83E-07

2328	609838.99	4170488.97	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.43E-08	3.12E-07	1.61E-07	5.38E-08	2.15E-07
2329	609843.27	4170498.85	1.40E-06	5.75E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.73E-08	2.29E-07
2330	609847.54	4170508.73	1.48E-06	6.09E-07	2.09E-06	2.46E-07	1.06E-07	3.52E-07	1.82E-07	6.07E-08	2.42E-07
2331	609851.82	4170518.61	1.56E-06	6.41E-07	2.20E-06	2.59E-07	1.12E-07	3.71E-07	1.91E-07	6.39E-08	2.55E-07
2332	609856.1	4170528.48	1.63E-06	6.70E-07	2.30E-06	2.71E-07	1.17E-07	3.88E-07	2.00E-07	6.69E-08	2.67E-07
2333	609860.38	4170538.36	1.70E-06	6.97E-07	2.39E-06	2.82E-07	1.22E-07	4.03E-07	2.08E-07	6.95E-08	2.77E-07
2334	609847.66	4170483.98	1.24E-06	5.11E-07	1.76E-06	2.07E-07	8.93E-08	2.96E-07	1.53E-07	5.10E-08	2.04E-07
2335	609851.84	4170493.64	1.32E-06	5.43E-07	1.86E-06	2.19E-07	9.47E-08	3.14E-07	1.62E-07	5.41E-08	2.16E-07
2336	609856.02	4170503.3	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
2337	609860.21	4170512.95	1.47E-06	6.02E-07	2.07E-06	2.43E-07	1.05E-07	3.49E-07	1.80E-07	6.01E-08	2.40E-07
2338	609864.39	4170522.61	1.53E-06	6.30E-07	2.16E-06	2.54E-07	1.10E-07	3.64E-07	1.88E-07	6.28E-08	2.51E-07
2339	609868.57	4170532.27	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.53E-08	2.61E-07
2340	609856.35	4170479.03	1.18E-06	4.85E-07	1.67E-06	1.96E-07	8.47E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
2341	609860.56	4170488.76	1.25E-06	5.14E-07	1.77E-06	2.08E-07	8.98E-08	2.98E-07	1.53E-07	5.13E-08	2.05E-07
2342	609864.77	4170498.49	1.32E-06	5.43E-07	1.86E-06	2.19E-07	9.48E-08	3.14E-07	1.62E-07	5.42E-08	2.16E-07
2343	609868.98	4170508.21	1.39E-06	5.70E-07	1.96E-06	2.31E-07	9.96E-08	3.30E-07	1.70E-07	5.69E-08	2.27E-07
2344	609873.2	4170517.94	1.45E-06	5.96E-07	2.05E-06	2.41E-07	1.04E-07	3.45E-07	1.78E-07	5.95E-08	2.37E-07
2345	609877.41	4170527.66	1.51E-06	6.20E-07	2.13E-06	2.51E-07	1.08E-07	3.59E-07	1.85E-07	6.18E-08	2.47E-07
2346	609865.04	4170474.09	1.12E-06	4.61E-07	1.58E-06	1.86E-07	8.05E-08	2.67E-07	1.37E-07	4.60E-08	1.83E-07
2347	609869.28	4170483.88	1.19E-06	4.88E-07	1.68E-06	1.97E-07	8.53E-08	2.83E-07	1.46E-07	4.87E-08	1.94E-07
2348	609873.52	4170493.67	1.25E-06	5.15E-07	1.77E-06	2.08E-07	9.00E-08	2.98E-07	1.54E-07	5.14E-08	2.05E-07
2349	609877.76	4170503.46	1.32E-06	5.41E-07	1.86E-06	2.19E-07	9.45E-08	3.13E-07	1.61E-07	5.40E-08	2.15E-07
2350	609882	4170513.25	1.38E-06	5.65E-07	1.94E-06	2.29E-07	9.87E-08	3.27E-07	1.69E-07	5.64E-08	2.25E-07
2351	609886.23	4170523.04	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
2352	609873.73	4170469.14	1.07E-06	4.39E-07	1.51E-06	1.77E-07	7.66E-08	2.54E-07	1.31E-07	4.37E-08	1.75E-07
2353	609878	4170478.99	1.13E-06	4.64E-07	1.59E-06	1.88E-07	8.11E-08	2.69E-07	1.39E-07	4.63E-08	1.85E-07
2354	609882.26	4170488.84	1.19E-06	4.90E-07	1.68E-06	1.98E-07	8.55E-08	2.83E-07	1.46E-07	4.88E-08	1.95E-07
2355	609886.53	4170498.69	1.25E-06	5.14E-07	1.76E-06	2.08E-07	8.97E-08	2.97E-07	1.53E-07	5.13E-08	2.05E-07
2356	609890.79	4170508.54	1.31E-06	5.37E-07	1.84E-06	2.17E-07	9.38E-08	3.11E-07	1.60E-07	5.36E-08	2.14E-07
2357	609895.05	4170518.39	1.36E-06	5.58E-07	1.92E-06	2.26E-07	9.75E-08	3.23E-07	1.67E-07	5.57E-08	2.22E-07
2358	609622.83	4170596.92	1.13E-05	4.63E-06	1.59E-05	1.87E-06	8.09E-07	2.68E-06	1.38E-06	4.62E-07	1.84E-06
2359	609634.17	4170595	9.88E-06	4.06E-06	1.39E-05	1.64E-06	7.09E-07	2.35E-06	1.21E-06	4.05E-07	1.62E-06
2360	609641.46	4170588.12	8.19E-06	3.37E-06	1.16E-05	1.36E-06	5.88E-07	1.95E-06	1.00E-06	3.36E-07	1.34E-06
2361	609649.18	4170581.84	6.97E-06	2.86E-06	9.83E-06	1.16E-06	5.00E-07	1.66E-06	8.54E-07	2.86E-07	1.14E-06
2362	609656.44	4170574.93	5.96E-06	2.45E-06	8.41E-06	9.90E-07	4.28E-07	1.42E-06	7.31E-07	2.44E-07	9.75E-07
2363	609663.75	4170568.08	5.16E-06	2.12E-06	7.28E-06	8.57E-07	3.70E-07	1.23E-06	6.33E-07	2.12E-07	8.45E-07
2364	609671.36	4170561.64	4.54E-06	1.86E-06	6.40E-06	7.54E-07	3.26E-07	1.08E-06	5.56E-07	1.86E-07	7.42E-07
2365	609677.17	4170569.63	4.96E-06	2.04E-06	7.00E-06	8.25E-07	3.56E-07	1.18E-06	6.09E-07	2.04E-07	8.12E-07
2366	609678.67	4170554.78	4.00E-06	1.64E-06	5.64E-06	6.64E-07	2.87E-07	9.51E-07	4.90E-07	1.64E-07	6.54E-07
2367	609684.2	4170562.4	4.35E-06	1.79E-06	6.14E-06	7.23E-07	3.12E-07	1.03E-06	5.33E-07	1.78E-07	7.12E-07
2368	609685.99	4170547.96	3.55E-06	1.46E-06	5.01E-06	5.90E-07	2.55E-07	8.45E-07	4.35E-07	1.46E-07	5.81E-07
2369	609693.09	4170557.73	3.94E-06	1.62E-06	5.55E-06	6.54E-07	2.82E-07	9.36E-07	4.83E-07	1.61E-07	6.44E-07
2370	609693.55	4170541.45	3.18E-06	1.31E-06	4.48E-06	5.28E-07	2.28E-07	7.56E-07	3.90E-07	1.30E-07	5.20E-07
2371	609699.36	4170549.44	3.45E-06	1.42E-06	4.86E-06	5.72E-07	2.47E-07	8.20E-07	4.22E-07	1.41E-07	5.64E-07
2372	609700.87	4170534.62	2.84E-06	1.17E-06	4.01E-06	4.72E-07	2.04E-07	6.76E-07	3.48E-07	1.16E-07	4.65E-07
2373	609706.47	4170542.31	3.07E-06	1.26E-06	4.33E-06	5.10E-07	2.20E-07	7.30E-07	3.76E-07	1.26E-07	5.02E-07
2374	609712.06	4170550.01	3.30E-06	1.35E-06	4.65E-06	5.48E-07	2.37E-07	7.84E-07	4.04E-07	1.35E-07	5.39E-07
2375	609708.21	4170527.81	2.56E-06	1.05E-06	3.61E-06	4.24E-07	1.83E-07	6.08E-07	3.13E-07	1.05E-07	4.18E-07
2376	609713.63	4170535.27	2.75E-06	1.13E-06	3.88E-06	4.57E-07	1.98E-07	6.55E-07	3.37E-07	1.13E-07	4.50E-07
2377	609719.05	4170542.73	2.96E-06	1.21E-06	4.17E-06	4.91E-07	2.12E-07	7.03E-07	3.62E-07	1.21E-07	4.84E-07
2378	609715.74	4170521.26	2.32E-06	9.53E-07	3.27E-06	3.85E-07	1.66E-07	5.51E-07	2.84E-07	9.50E-08	3.79E-07
2379	609721.54	4170529.25	2.51E-06	1.03E-06	3.55E-06	4.18E-07	1.80E-07	5.98E-07	3.08E-07	1.03E-07	4.11E-07
2380	609727.35	4170537.24	2.71E-06	1.11E-06	3.82E-06	4.50E-07	1.94E-07	6.44E-07	3.32E-07	1.11E-07	4.43E-07
2381	609723.07	4170514.44	2.11E-06	8.68E-07	2.98E-06	3.51E-07	1.52E-07	5.02E-07	2.59E-07	8.66E-08	3.46E-07
2382	609728.7	4170522.19	2.28E-06	9.38E-07	3.22E-06	3.79E-07	1.64E-07	5.43E-07	2.80E-07	9.35E-08	3.73E-07
2383	609734.34	4170529.94	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.00E-07	1.00E-07	4.01E-07
2384	609730.42	4170507.64	1.93E-06	7.94E-07	2.73E-06	3.21E-07	1.39E-07	4.60E-07	2.37E-07	7.92E-08	3.16E-07
2385	609735.9	4170515.19	2.08E-06	8.55E-07	2.93E-06	3.45E-07	1.49E-07	4.95E-07	2.55E-07	8.53E-08	3.40E-07
2386	609741.39	4170522.74	2.23E-06	9.16E-07	3.14E-06	3.70E-07	1.60E-07	5.30E-07	2.73E-07	9.13E-08	3.65E-07
2387	609746.87	4170530.29	2.37E-06	9.76E-07	3.35E-06	3.94E-07	1.70E-07	5.65E-07	2.91E-07	9.73E-08	3.88E-07
2388	609737.92	4170501.06	1.78E-06	7.30E-07	2.51E-06	2.95E-07	1.28E-07	4.23E-07	2.18E-07	7.28E-08	2.91E-07
2389	609743.73	4170509.05	1.92E-06	7.88E-07	2.71E-06	3.19E-07	1.38E-07	4.56E-07	2.35E-07	7.86E-08	3.14E-07
2390	609749.54	4170517.04	2.06E-06	8.47E-07	2.91E-06	3.42E-07	1.48E-07	4.90E-07	2.53E-07	8.44E-08	3.37E-07

2391	609755.34	4170525.04	2.20E-06	9.04E-07	3.10E-06	3.65E-07	1.58E-07	5.23E-07	2.70E-07	9.02E-08	3.60E-07
2392	609745.27	4170494.26	1.64E-06	6.73E-07	2.31E-06	2.72E-07	1.17E-07	3.89E-07	2.01E-07	6.71E-08	2.68E-07
2393	609750.93	4170502.05	1.76E-06	7.24E-07	2.48E-06	2.92E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
2394	609756.58	4170509.83	1.89E-06	7.75E-07	2.66E-06	3.13E-07	1.35E-07	4.49E-07	2.31E-07	7.73E-08	3.09E-07
2395	609762.24	4170517.62	2.01E-06	8.26E-07	2.84E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.24E-08	3.29E-07
2396	609752.62	4170487.47	1.51E-06	6.21E-07	2.13E-06	2.51E-07	1.08E-07	3.60E-07	1.85E-07	6.20E-08	2.47E-07
2397	609758.15	4170495.08	1.62E-06	6.66E-07	2.29E-06	2.69E-07	1.16E-07	3.86E-07	1.99E-07	6.65E-08	2.65E-07
2398	609763.68	4170502.69	1.73E-06	7.12E-07	2.45E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.10E-08	2.83E-07
2399	609769.21	4170510.3	1.84E-06	7.58E-07	2.60E-06	3.06E-07	1.32E-07	4.39E-07	2.26E-07	7.56E-08	3.02E-07
2400	609760.11	4170480.87	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.34E-07	1.72E-07	5.75E-08	2.29E-07
2401	609765.91	4170488.86	1.51E-06	6.20E-07	2.13E-06	2.50E-07	1.08E-07	3.59E-07	1.85E-07	6.18E-08	2.47E-07
2402	609771.72	4170496.85	1.61E-06	6.63E-07	2.28E-06	2.68E-07	1.16E-07	3.84E-07	1.98E-07	6.62E-08	2.64E-07
2403	609777.53	4170504.84	1.72E-06	7.07E-07	2.43E-06	2.86E-07	1.23E-07	4.09E-07	2.11E-07	7.05E-08	2.81E-07
2404	609767.46	4170474.08	1.30E-06	5.35E-07	1.84E-06	2.16E-07	9.34E-08	3.10E-07	1.60E-07	5.34E-08	2.13E-07
2405	609773.14	4170481.89	1.40E-06	5.74E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
2406	609778.82	4170489.7	1.49E-06	6.13E-07	2.10E-06	2.48E-07	1.07E-07	3.55E-07	1.83E-07	6.11E-08	2.44E-07
2407	609784.49	4170497.52	1.59E-06	6.52E-07	2.24E-06	2.64E-07	1.14E-07	3.77E-07	1.95E-07	6.50E-08	2.60E-07
2408	609790.17	4170505.33	1.68E-06	6.91E-07	2.37E-06	2.79E-07	1.21E-07	4.00E-07	2.06E-07	6.89E-08	2.75E-07
2409	609774.82	4170467.29	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.69E-08	2.88E-07	1.49E-07	4.97E-08	1.98E-07
2410	609780.38	4170474.95	1.29E-06	5.32E-07	1.82E-06	2.15E-07	9.28E-08	3.08E-07	1.59E-07	5.30E-08	2.12E-07
2411	609785.95	4170482.61	1.38E-06	5.67E-07	1.95E-06	2.29E-07	9.89E-08	3.28E-07	1.69E-07	5.65E-08	2.26E-07
2412	609791.51	4170490.27	1.47E-06	6.03E-07	2.07E-06	2.44E-07	1.05E-07	3.49E-07	1.80E-07	6.01E-08	2.40E-07
2413	609797.08	4170497.93	1.55E-06	6.38E-07	2.19E-06	2.58E-07	1.11E-07	3.69E-07	1.90E-07	6.37E-08	2.54E-07
2414	609782.29	4170460.67	1.13E-06	4.64E-07	1.59E-06	1.87E-07	8.09E-08	2.68E-07	1.38E-07	4.62E-08	1.85E-07
2415	609788.1	4170468.67	1.21E-06	4.96E-07	1.70E-06	2.00E-07	8.66E-08	2.87E-07	1.48E-07	4.95E-08	1.97E-07
2416	609793.91	4170476.66	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.07E-07	1.58E-07	5.28E-08	2.11E-07
2417	609799.72	4170484.65	1.37E-06	5.64E-07	1.94E-06	2.28E-07	9.85E-08	3.27E-07	1.68E-07	5.63E-08	2.25E-07
2418	609805.52	4170492.64	1.46E-06	5.99E-07	2.06E-06	2.42E-07	1.05E-07	3.47E-07	1.79E-07	5.97E-08	2.38E-07
2419	609789.65	4170453.89	1.05E-06	4.32E-07	1.48E-06	1.75E-07	7.55E-08	2.50E-07	1.29E-07	4.31E-08	1.72E-07
2420	609795.34	4170461.73	1.12E-06	4.61E-07	1.58E-06	1.86E-07	8.05E-08	2.67E-07	1.38E-07	4.60E-08	1.84E-07
2421	609801.04	4170469.56	1.20E-06	4.91E-07	1.69E-06	1.99E-07	8.58E-08	2.84E-07	1.47E-07	4.90E-08	1.96E-07
2422	609806.73	4170477.39	1.27E-06	5.23E-07	1.79E-06	2.11E-07	9.12E-08	3.02E-07	1.56E-07	5.21E-08	2.08E-07
2423	609812.42	4170485.23	1.35E-06	5.54E-07	1.90E-06	2.24E-07	9.67E-08	3.21E-07	1.65E-07	5.52E-08	2.20E-07
2424	609797.01	4170447.11	9.83E-07	4.04E-07	1.39E-06	1.63E-07	7.05E-08	2.34E-07	1.20E-07	4.03E-08	1.61E-07
2425	609802.6	4170454.81	1.05E-06	4.30E-07	1.48E-06	1.74E-07	7.51E-08	2.49E-07	1.28E-07	4.29E-08	1.71E-07
2426	609808.2	4170462.5	1.11E-06	4.57E-07	1.57E-06	1.85E-07	7.99E-08	2.65E-07	1.36E-07	4.56E-08	1.82E-07
2427	609813.79	4170470.2	1.18E-06	4.86E-07	1.67E-06	1.96E-07	8.48E-08	2.81E-07	1.45E-07	4.85E-08	1.93E-07
2428	609819.38	4170477.89	1.25E-06	5.14E-07	1.77E-06	2.08E-07	8.98E-08	2.98E-07	1.53E-07	5.13E-08	2.05E-07
2429	609824.97	4170485.59	1.32E-06	5.42E-07	1.86E-06	2.19E-07	9.46E-08	3.14E-07	1.62E-07	5.40E-08	2.16E-07
2430	609804.48	4170440.48	9.22E-07	3.79E-07	1.30E-06	1.53E-07	6.61E-08	2.19E-07	1.13E-07	3.78E-08	1.51E-07
2431	609810.29	4170448.47	9.84E-07	4.05E-07	1.39E-06	1.64E-07	7.06E-08	2.34E-07	1.21E-07	4.04E-08	1.61E-07
2432	609816.09	4170456.46	1.05E-06	4.31E-07	1.48E-06	1.74E-07	7.53E-08	2.49E-07	1.29E-07	4.30E-08	1.72E-07
2433	609821.9	4170464.45	1.11E-06	4.58E-07	1.57E-06	1.85E-07	8.00E-08	2.65E-07	1.37E-07	4.57E-08	1.82E-07
2434	609827.71	4170472.45	1.18E-06	4.85E-07	1.67E-06	1.96E-07	8.47E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
2435	609833.52	4170480.44	1.24E-06	5.12E-07	1.76E-06	2.07E-07	8.93E-08	2.96E-07	1.53E-07	5.10E-08	2.04E-07
2436	609811.84	4170433.7	8.67E-07	3.56E-07	1.22E-06	1.44E-07	6.22E-08	2.06E-07	1.06E-07	3.55E-08	1.42E-07
2437	609817.55	4170441.55	9.24E-07	3.80E-07	1.30E-06	1.53E-07	6.63E-08	2.20E-07	1.13E-07	3.79E-08	1.51E-07
2438	609823.25	4170449.4	9.82E-07	4.04E-07	1.39E-06	1.63E-07	7.05E-08	2.34E-07	1.20E-07	4.03E-08	1.61E-07
2439	609828.96	4170457.26	1.04E-06	4.28E-07	1.47E-06	1.73E-07	7.48E-08	2.48E-07	1.28E-07	4.27E-08	1.70E-07
2440	609834.66	4170465.11	1.10E-06	4.53E-07	1.55E-06	1.83E-07	7.91E-08	2.62E-07	1.35E-07	4.52E-08	1.80E-07
2441	609840.37	4170472.96	1.16E-06	4.77E-07	1.64E-06	1.93E-07	8.33E-08	2.76E-07	1.42E-07	4.76E-08	1.90E-07
2442	609819.21	4170426.93	8.17E-07	3.36E-07	1.15E-06	1.36E-07	5.86E-08	1.94E-07	1.00E-07	3.35E-08	1.34E-07
2443	609824.82	4170434.65	8.69E-07	3.57E-07	1.23E-06	1.44E-07	6.23E-08	2.07E-07	1.07E-07	3.56E-08	1.42E-07
2444	609830.43	4170442.38	9.22E-07	3.79E-07	1.30E-06	1.53E-07	6.62E-08	2.19E-07	1.13E-07	3.78E-08	1.51E-07
2445	609836.05	4170450.1	9.76E-07	4.01E-07	1.38E-06	1.62E-07	7.01E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
2446	609841.66	4170457.83	1.03E-06	4.24E-07	1.46E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.23E-08	1.69E-07
2447	609847.27	4170465.55	1.09E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
2448	609826.66	4170420.29	7.72E-07	3.17E-07	1.09E-06	1.28E-07	5.54E-08	1.84E-07	9.46E-08	3.16E-08	1.26E-07
2449	609832.47	4170428.28	8.22E-07	3.38E-07	1.16E-06	1.36E-07	5.90E-08	1.95E-07	1.01E-07	3.37E-08	1.34E-07
2450	609838.28	4170436.27	8.73E-07	3.59E-07	1.23E-06	1.45E-07	6.26E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
2451	609844.09	4170444.26	9.25E-07	3.80E-07	1.31E-06	1.54E-07	6.64E-08	2.20E-07	1.13E-07	3.79E-08	1.51E-07
2452	609849.89	4170452.25	9.78E-07	4.02E-07	1.38E-06	1.62E-07	7.02E-08	2.33E-07	1.20E-07	4.01E-08	1.60E-07
2453	609855.7	4170460.24	1.03E-06	4.24E-07	1.45E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.23E-08	1.69E-07

2454	609834.03	4170413.51	7.30E-07	3.00E-07	1.03E-06	1.21E-07	5.24E-08	1.74E-07	8.95E-08	2.99E-08	1.19E-07
2455	609839.74	4170421.38	7.75E-07	3.19E-07	1.09E-06	1.29E-07	5.56E-08	1.84E-07	9.50E-08	3.18E-08	1.27E-07
2456	609845.46	4170429.24	8.22E-07	3.38E-07	1.16E-06	1.37E-07	5.90E-08	1.96E-07	1.01E-07	3.37E-08	1.34E-07
2457	609851.18	4170437.11	8.70E-07	3.58E-07	1.23E-06	1.45E-07	6.24E-08	2.07E-07	1.07E-07	3.57E-08	1.42E-07
2458	609856.89	4170444.97	9.19E-07	3.78E-07	1.30E-06	1.53E-07	6.59E-08	2.19E-07	1.13E-07	3.77E-08	1.50E-07
2459	609862.61	4170452.84	9.67E-07	3.98E-07	1.36E-06	1.61E-07	6.94E-08	2.30E-07	1.19E-07	3.97E-08	1.58E-07
2460	609868.32	4170460.7	1.02E-06	4.17E-07	1.43E-06	1.69E-07	7.29E-08	2.42E-07	1.24E-07	4.16E-08	1.66E-07
2461	609606.12	4170598.47	1.33E-05	5.46E-06	1.87E-05	2.21E-06	9.53E-07	3.16E-06	1.63E-06	5.44E-07	2.17E-06
2462	609608.16	4170588.77	1.01E-05	4.16E-06	1.43E-05	1.68E-06	7.26E-07	2.41E-06	1.24E-06	4.15E-07	1.65E-06
2463	609609.9	4170578.9	7.93E-06	3.26E-06	1.12E-05	1.32E-06	5.69E-07	1.89E-06	9.72E-07	3.25E-07	1.30E-06
2464	609618.03	4170583.41	8.47E-06	3.48E-06	1.20E-05	1.41E-06	6.08E-07	2.02E-06	1.04E-06	3.47E-07	1.39E-06
2465	609626.16	4170587.93	8.98E-06	3.69E-06	1.27E-05	1.49E-06	6.44E-07	2.14E-06	1.10E-06	3.68E-07	1.47E-06
2466	609611.82	4170569.13	6.37E-06	2.62E-06	8.99E-06	1.06E-06	4.57E-07	1.52E-06	7.81E-07	2.61E-07	1.04E-06
2467	609620.42	4170573.9	6.83E-06	2.81E-06	9.63E-06	1.13E-06	4.90E-07	1.62E-06	8.37E-07	2.80E-07	1.12E-06
2468	609629.02	4170578.68	7.28E-06	2.99E-06	1.03E-05	1.21E-06	5.22E-07	1.73E-06	8.92E-07	2.98E-07	1.19E-06
2469	609613.57	4170559.26	5.20E-06	2.14E-06	7.34E-06	8.64E-07	3.73E-07	1.24E-06	6.37E-07	2.13E-07	8.51E-07
2470	609621.96	4170563.92	5.56E-06	2.29E-06	7.84E-06	9.24E-07	3.99E-07	1.32E-06	6.82E-07	2.28E-07	9.10E-07
2471	609630.34	4170568.57	5.93E-06	2.44E-06	8.36E-06	9.84E-07	4.25E-07	1.41E-06	7.27E-07	2.43E-07	9.70E-07
2472	609638.72	4170573.23	6.27E-06	2.58E-06	8.85E-06	1.04E-06	4.50E-07	1.49E-06	7.69E-07	2.57E-07	1.03E-06
2473	609615.46	4170549.47	4.31E-06	1.77E-06	6.08E-06	7.15E-07	3.09E-07	1.02E-06	5.28E-07	1.77E-07	7.05E-07
2474	609624.15	4170554.3	4.61E-06	1.90E-06	6.51E-06	7.66E-07	3.31E-07	1.10E-06	5.66E-07	1.89E-07	7.55E-07
2475	609632.85	4170559.13	4.93E-06	2.03E-06	6.96E-06	8.19E-07	3.54E-07	1.17E-06	6.05E-07	2.02E-07	8.07E-07
2476	609641.54	4170563.96	5.24E-06	2.16E-06	7.40E-06	8.71E-07	3.76E-07	1.25E-06	6.43E-07	2.15E-07	8.58E-07
2477	609617.22	4170539.61	3.61E-06	1.48E-06	5.09E-06	5.99E-07	2.59E-07	8.58E-07	4.42E-07	1.48E-07	5.90E-07
2478	609625.74	4170544.34	3.85E-06	1.58E-06	5.44E-06	6.40E-07	2.76E-07	9.16E-07	4.72E-07	1.58E-07	6.30E-07
2479	609634.25	4170549.07	4.11E-06	1.69E-06	5.80E-06	6.83E-07	2.95E-07	9.78E-07	5.04E-07	1.69E-07	6.73E-07
2480	609642.77	4170553.8	4.38E-06	1.80E-06	6.18E-06	7.27E-07	3.14E-07	1.04E-06	5.37E-07	1.79E-07	7.16E-07
2481	609651.29	4170558.53	4.63E-06	1.90E-06	6.54E-06	7.69E-07	3.32E-07	1.10E-06	5.68E-07	1.90E-07	7.58E-07
2482	609618.99	4170529.75	3.05E-06	1.25E-06	4.30E-06	5.06E-07	2.19E-07	7.25E-07	3.74E-07	1.25E-07	4.99E-07
2483	609627.38	4170534.41	3.25E-06	1.34E-06	4.59E-06	5.40E-07	2.33E-07	7.73E-07	3.99E-07	1.33E-07	5.32E-07
2484	609635.76	4170539.07	3.47E-06	1.42E-06	4.89E-06	5.76E-07	2.49E-07	8.24E-07	4.25E-07	1.42E-07	5.67E-07
2485	609644.14	4170543.72	3.69E-06	1.52E-06	5.20E-06	6.13E-07	2.65E-07	8.77E-07	4.52E-07	1.51E-07	6.03E-07
2486	609652.53	4170548.38	3.91E-06	1.61E-06	5.52E-06	6.50E-07	2.81E-07	9.30E-07	4.79E-07	1.60E-07	6.40E-07
2487	609660.91	4170553.04	4.12E-06	1.69E-06	5.82E-06	6.85E-07	2.96E-07	9.80E-07	5.05E-07	1.69E-07	6.74E-07
2488	609620.85	4170519.95	2.60E-06	1.07E-06	3.67E-06	4.33E-07	1.87E-07	6.20E-07	3.19E-07	1.07E-07	4.26E-07
2489	609629.45	4170524.72	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.60E-07	3.40E-07	1.14E-07	4.54E-07
2490	609638.05	4170529.5	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.05E-07	3.63E-07	1.21E-07	4.85E-07
2491	609646.65	4170534.28	3.16E-06	1.30E-06	4.46E-06	5.25E-07	2.27E-07	7.51E-07	3.87E-07	1.29E-07	5.17E-07
2492	609655.25	4170539.05	3.36E-06	1.38E-06	4.74E-06	5.58E-07	2.41E-07	7.98E-07	4.12E-07	1.38E-07	5.49E-07
2493	609663.85	4170543.83	3.55E-06	1.46E-06	5.01E-06	5.90E-07	2.55E-07	8.44E-07	4.35E-07	1.46E-07	5.81E-07
2494	609622.63	4170510.1	2.24E-06	9.21E-07	3.16E-06	3.72E-07	1.61E-07	5.33E-07	2.75E-07	9.19E-08	3.67E-07
2495	609631.11	4170514.81	2.38E-06	9.80E-07	3.36E-06	3.96E-07	1.71E-07	5.67E-07	2.92E-07	9.77E-08	3.90E-07
2496	609639.59	4170519.52	2.54E-06	1.04E-06	3.58E-06	4.22E-07	1.82E-07	6.04E-07	3.11E-07	1.04E-07	4.15E-07
2497	609648.07	4170524.23	2.70E-06	1.11E-06	3.81E-06	4.49E-07	1.94E-07	6.43E-07	3.31E-07	1.11E-07	4.42E-07
2498	609656.55	4170528.94	2.87E-06	1.18E-06	4.05E-06	4.77E-07	2.06E-07	6.83E-07	3.52E-07	1.18E-07	4.70E-07
2499	609665.03	4170533.65	3.04E-06	1.25E-06	4.29E-06	5.05E-07	2.18E-07	7.24E-07	3.73E-07	1.25E-07	4.98E-07
2500	609673.51	4170538.36	3.21E-06	1.32E-06	4.52E-06	5.33E-07	2.30E-07	7.63E-07	3.93E-07	1.31E-07	5.25E-07
2501	609624.48	4170500.29	1.95E-06	8.00E-07	2.75E-06	3.23E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.18E-07
2502	609633.14	4170505.09	2.07E-06	8.50E-07	2.92E-06	3.43E-07	1.48E-07	4.92E-07	2.53E-07	8.47E-08	3.38E-07
2503	609641.79	4170509.9	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.02E-08	3.60E-07
2504	609650.44	4170514.71	2.34E-06	9.64E-07	3.31E-06	3.89E-07	1.68E-07	5.58E-07	2.87E-07	9.61E-08	3.84E-07
2505	609659.1	4170519.51	2.49E-06	1.03E-06	3.52E-06	4.14E-07	1.79E-07	5.93E-07	3.06E-07	1.02E-07	4.08E-07
2506	609667.75	4170524.32	2.65E-06	1.09E-06	3.74E-06	4.40E-07	1.90E-07	6.30E-07	3.25E-07	1.09E-07	4.33E-07
2507	609676.4	4170529.13	2.80E-06	1.15E-06	3.95E-06	4.65E-07	2.01E-07	6.66E-07	3.43E-07	1.15E-07	4.58E-07
2508	609685.06	4170533.93	2.94E-06	1.21E-06	4.15E-06	4.89E-07	2.11E-07	7.00E-07	3.61E-07	1.21E-07	4.81E-07
2509	609626.26	4170490.44	1.70E-06	6.99E-07	2.40E-06	2.83E-07	1.22E-07	4.05E-07	2.09E-07	6.97E-08	2.78E-07
2510	609634.81	4170495.18	1.80E-06	7.40E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.21E-07	7.38E-08	2.95E-07
2511	609643.36	4170499.93	1.91E-06	7.86E-07	2.70E-06	3.18E-07	1.37E-07	4.55E-07	2.35E-07	7.84E-08	3.13E-07
2512	609651.9	4170504.68	2.03E-06	8.36E-07	2.87E-06	3.38E-07	1.46E-07	4.84E-07	2.49E-07	8.33E-08	3.33E-07
2513	609660.45	4170509.43	2.16E-06	8.88E-07	3.05E-06	3.59E-07	1.55E-07	5.14E-07	2.65E-07	8.86E-08	3.54E-07
2514	609669	4170514.17	2.29E-06	9.43E-07	3.24E-06	3.81E-07	1.65E-07	5.45E-07	2.81E-07	9.40E-08	3.75E-07
2515	609677.55	4170518.92	2.43E-06	9.97E-07	3.42E-06	4.03E-07	1.74E-07	5.77E-07	2.97E-07	9.95E-08	3.97E-07
2516	609686.09	4170523.67	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.83E-07	6.08E-07	3.13E-07	1.05E-07	4.18E-07

2517	609628.1	4170480.62	1.50E-06	6.15E-07	2.11E-06	2.49E-07	1.07E-07	3.56E-07	1.84E-07	6.14E-08	2.45E-07
2518	609636.8	4170485.45	1.58E-06	6.51E-07	2.23E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.49E-08	2.59E-07
2519	609645.49	4170490.28	1.68E-06	6.90E-07	2.37E-06	2.79E-07	1.21E-07	4.00E-07	2.06E-07	6.89E-08	2.75E-07
2520	609654.19	4170495.11	1.79E-06	7.34E-07	2.52E-06	2.97E-07	1.28E-07	4.25E-07	2.19E-07	7.32E-08	2.92E-07
2521	609662.88	4170499.94	1.90E-06	7.79E-07	2.67E-06	3.15E-07	1.36E-07	4.51E-07	2.32E-07	7.77E-08	3.10E-07
2522	609671.57	4170504.76	2.00E-06	8.24E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.21E-08	3.28E-07
2523	609680.27	4170509.59	2.12E-06	8.72E-07	2.99E-06	3.52E-07	1.52E-07	5.04E-07	2.60E-07	8.69E-08	3.47E-07
2524	609688.96	4170514.42	2.24E-06	9.21E-07	3.16E-06	3.72E-07	1.61E-07	5.33E-07	2.75E-07	9.18E-08	3.66E-07
2525	609697.65	4170519.25	2.35E-06	9.66E-07	3.32E-06	3.91E-07	1.69E-07	5.59E-07	2.88E-07	9.64E-08	3.85E-07
2526	609629.89	4170470.77	1.33E-06	5.45E-07	1.87E-06	2.20E-07	9.52E-08	3.16E-07	1.63E-07	5.44E-08	2.17E-07
2527	609638.49	4170475.55	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.71E-08	2.28E-07
2528	609647.08	4170480.32	1.47E-06	6.04E-07	2.08E-06	2.44E-07	1.06E-07	3.50E-07	1.80E-07	6.03E-08	2.41E-07
2529	609655.68	4170485.1	1.56E-06	6.41E-07	2.20E-06	2.59E-07	1.12E-07	3.71E-07	1.91E-07	6.39E-08	2.55E-07
2530	609664.28	4170489.87	1.65E-06	6.78E-07	2.33E-06	2.74E-07	1.18E-07	3.92E-07	2.02E-07	6.76E-08	2.70E-07
2531	609672.88	4170494.65	1.74E-06	7.16E-07	2.46E-06	2.90E-07	1.25E-07	4.15E-07	2.14E-07	7.14E-08	2.85E-07
2532	609681.48	4170499.43	1.84E-06	7.56E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.54E-08	3.01E-07
2533	609690.07	4170504.2	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.63E-07	2.39E-07	7.99E-08	3.19E-07
2534	609698.67	4170508.98	2.05E-06	8.44E-07	2.90E-06	3.41E-07	1.47E-07	4.89E-07	2.52E-07	8.42E-08	3.36E-07
2535	609707.27	4170513.75	2.15E-06	8.85E-07	3.04E-06	3.58E-07	1.54E-07	5.12E-07	2.64E-07	8.82E-08	3.52E-07
2536	609631.67	4170460.93	1.18E-06	4.86E-07	1.67E-06	1.96E-07	8.48E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
2537	609640.19	4170465.66	1.23E-06	5.06E-07	1.74E-06	2.05E-07	8.84E-08	2.93E-07	1.51E-07	5.05E-08	2.01E-07
2538	609648.71	4170470.39	1.29E-06	5.31E-07	1.82E-06	2.15E-07	9.27E-08	3.07E-07	1.58E-07	5.30E-08	2.11E-07
2539	609657.22	4170475.12	1.37E-06	5.61E-07	1.93E-06	2.27E-07	9.80E-08	3.25E-07	1.67E-07	5.60E-08	2.23E-07
2540	609665.74	4170479.85	1.45E-06	5.94E-07	2.04E-06	2.40E-07	1.04E-07	3.44E-07	1.77E-07	5.93E-08	2.37E-07
2541	609674.25	4170484.58	1.53E-06	6.28E-07	2.16E-06	2.54E-07	1.10E-07	3.64E-07	1.87E-07	6.27E-08	2.50E-07
2542	609682.77	4170489.31	1.61E-06	6.63E-07	2.28E-06	2.68E-07	1.16E-07	3.84E-07	1.98E-07	6.61E-08	2.64E-07
2543	609691.29	4170494.04	1.71E-06	7.01E-07	2.41E-06	2.83E-07	1.22E-07	4.06E-07	2.09E-07	6.99E-08	2.79E-07
2544	609699.8	4170498.77	1.80E-06	7.40E-07	2.54E-06	2.99E-07	1.29E-07	4.28E-07	2.21E-07	7.38E-08	2.95E-07
2545	609708.32	4170503.5	1.89E-06	7.79E-07	2.67E-06	3.15E-07	1.36E-07	4.51E-07	2.32E-07	7.77E-08	3.10E-07
2546	609642.15	4170455.9	1.10E-06	4.52E-07	1.55E-06	1.83E-07	7.90E-08	2.62E-07	1.35E-07	4.51E-08	1.80E-07
2547	609650.78	4170460.7	1.15E-06	4.73E-07	1.62E-06	1.91E-07	8.25E-08	2.73E-07	1.41E-07	4.71E-08	1.88E-07
2548	609659.42	4170465.5	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.69E-08	2.88E-07	1.48E-07	4.96E-08	1.98E-07
2549	609668.06	4170470.3	1.28E-06	5.28E-07	1.81E-06	2.13E-07	9.21E-08	3.05E-07	1.57E-07	5.26E-08	2.10E-07
2550	609676.7	4170475.09	1.36E-06	5.58E-07	1.92E-06	2.26E-07	9.75E-08	3.23E-07	1.67E-07	5.57E-08	2.22E-07
2551	609685.33	4170479.89	1.44E-06	5.91E-07	2.03E-06	2.39E-07	1.03E-07	3.42E-07	1.76E-07	5.89E-08	2.35E-07
2552	609693.97	4170484.69	1.52E-06	6.25E-07	2.15E-06	2.53E-07	1.09E-07	3.62E-07	1.86E-07	6.23E-08	2.49E-07
2553	609702.61	4170489.49	1.61E-06	6.60E-07	2.27E-06	2.67E-07	1.15E-07	3.82E-07	1.97E-07	6.58E-08	2.63E-07
2554	609711.25	4170494.28	1.69E-06	6.95E-07	2.39E-06	2.81E-07	1.21E-07	4.02E-07	2.07E-07	6.94E-08	2.77E-07
2555	609719.88	4170499.08	1.78E-06	7.30E-07	2.51E-06	2.95E-07	1.27E-07	4.23E-07	2.18E-07	7.28E-08	2.91E-07
2556	609643.86	4170446.02	9.89E-07	4.06E-07	1.39E-06	1.64E-07	7.09E-08	2.35E-07	1.21E-07	4.05E-08	1.62E-07
2557	609652.42	4170450.77	1.03E-06	4.23E-07	1.45E-06	1.71E-07	7.39E-08	2.45E-07	1.26E-07	4.22E-08	1.68E-07
2558	609660.98	4170455.53	1.08E-06	4.45E-07	1.53E-06	1.80E-07	7.77E-08	2.58E-07	1.33E-07	4.44E-08	1.77E-07
2559	609669.54	4170460.28	1.14E-06	4.69E-07	1.61E-06	1.90E-07	8.20E-08	2.72E-07	1.40E-07	4.68E-08	1.87E-07
2560	609678.11	4170465.04	1.21E-06	4.96E-07	1.70E-06	2.00E-07	8.66E-08	2.87E-07	1.48E-07	4.95E-08	1.97E-07
2561	609686.67	4170469.79	1.28E-06	5.25E-07	1.80E-06	2.12E-07	9.16E-08	3.04E-07	1.56E-07	5.23E-08	2.09E-07
2562	609695.23	4170474.55	1.35E-06	5.55E-07	1.90E-06	2.24E-07	9.68E-08	3.21E-07	1.65E-07	5.53E-08	2.21E-07
2563	609703.79	4170479.3	1.42E-06	5.86E-07	2.01E-06	2.37E-07	1.02E-07	3.39E-07	1.75E-07	5.84E-08	2.33E-07
2564	609712.35	4170484.06	1.50E-06	6.17E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.15E-08	2.46E-07
2565	609720.91	4170488.81	1.58E-06	6.49E-07	2.23E-06	2.62E-07	1.13E-07	3.75E-07	1.93E-07	6.47E-08	2.58E-07
2566	609729.47	4170493.57	1.65E-06	6.79E-07	2.33E-06	2.75E-07	1.19E-07	3.93E-07	2.03E-07	6.78E-08	2.70E-07
2567	609654.47	4170441.07	9.30E-07	3.82E-07	1.31E-06	1.54E-07	6.67E-08	2.21E-07	1.14E-07	3.81E-08	1.52E-07
2568	609663.14	4170445.88	9.77E-07	4.01E-07	1.38E-06	1.62E-07	7.01E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
2569	609671.8	4170450.7	1.03E-06	4.23E-07	1.45E-06	1.71E-07	7.38E-08	2.45E-07	1.26E-07	4.22E-08	1.68E-07
2570	609680.47	4170455.51	1.09E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
2571	609689.14	4170460.33	1.15E-06	4.72E-07	1.62E-06	1.91E-07	8.23E-08	2.73E-07	1.41E-07	4.70E-08	1.88E-07
2572	609697.81	4170465.14	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.70E-08	2.88E-07	1.49E-07	4.97E-08	1.98E-07
2573	609706.48	4170469.96	1.28E-06	5.26E-07	1.81E-06	2.13E-07	9.19E-08	3.05E-07	1.57E-07	5.25E-08	2.09E-07
2574	609715.15	4170474.77	1.35E-06	5.55E-07	1.90E-06	2.24E-07	9.69E-08	3.21E-07	1.66E-07	5.53E-08	2.21E-07
2575	609723.81	4170479.59	1.42E-06	5.84E-07	2.00E-06	2.36E-07	1.02E-07	3.38E-07	1.74E-07	5.82E-08	2.32E-07
2576	609732.48	4170484.4	1.49E-06	6.13E-07	2.10E-06	2.48E-07	1.07E-07	3.55E-07	1.83E-07	6.11E-08	2.44E-07
2577	609664.71	4170435.92	8.83E-07	3.63E-07	1.25E-06	1.47E-07	6.33E-08	2.10E-07	1.08E-07	3.62E-08	1.44E-07
2578	609673.31	4170440.7	9.27E-07	3.81E-07	1.31E-06	1.54E-07	6.65E-08	2.20E-07	1.14E-07	3.80E-08	1.52E-07
2579	609681.91	4170445.47	9.76E-07	4.01E-07	1.38E-06	1.62E-07	7.00E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07

2580	609690.51	4170450.25	1.03E-06	4.23E-07	1.45E-06	1.71E-07	7.38E-08	2.45E-07	1.26E-07	4.22E-08	1.68E-07
2581	609699.11	4170455.02	1.08E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.77E-07
2582	609707.7	4170459.8	1.14E-06	4.70E-07	1.61E-06	1.90E-07	8.21E-08	2.72E-07	1.40E-07	4.69E-08	1.87E-07
2583	609716.3	4170464.58	1.21E-06	4.96E-07	1.70E-06	2.00E-07	8.66E-08	2.87E-07	1.48E-07	4.94E-08	1.97E-07
2584	609724.9	4170469.35	1.27E-06	5.22E-07	1.79E-06	2.11E-07	9.11E-08	3.02E-07	1.56E-07	5.20E-08	2.08E-07
2585	609733.5	4170474.13	1.33E-06	5.48E-07	1.88E-06	2.21E-07	9.56E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
2586	609742.1	4170478.9	1.40E-06	5.74E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
2587	609640.75	4170411.77	7.19E-07	2.96E-07	1.01E-06	1.19E-07	5.16E-08	1.71E-07	8.82E-08	2.95E-08	1.18E-07
2588	609675.52	4170431.09	8.43E-07	3.46E-07	1.19E-06	1.40E-07	6.05E-08	2.00E-07	1.03E-07	3.45E-08	1.38E-07
2589	609684.22	4170435.92	8.85E-07	3.64E-07	1.25E-06	1.47E-07	6.35E-08	2.11E-07	1.09E-07	3.63E-08	1.45E-07
2590	609692.91	4170440.75	9.32E-07	3.83E-07	1.32E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.53E-07
2591	609701.61	4170445.57	9.82E-07	4.04E-07	1.39E-06	1.63E-07	7.05E-08	2.34E-07	1.20E-07	4.03E-08	1.61E-07
2592	609710.3	4170450.4	1.04E-06	4.26E-07	1.46E-06	1.72E-07	7.43E-08	2.46E-07	1.27E-07	4.25E-08	1.69E-07
2593	609718.99	4170455.23	1.09E-06	4.49E-07	1.54E-06	1.81E-07	7.83E-08	2.60E-07	1.34E-07	4.47E-08	1.79E-07
2594	609727.69	4170460.06	1.15E-06	4.72E-07	1.62E-06	1.91E-07	8.25E-08	2.73E-07	1.41E-07	4.71E-08	1.88E-07
2595	609736.38	4170464.89	1.21E-06	4.96E-07	1.70E-06	2.01E-07	8.66E-08	2.87E-07	1.48E-07	4.95E-08	1.98E-07
2596	609745.07	4170469.72	1.27E-06	5.20E-07	1.79E-06	2.10E-07	9.08E-08	3.01E-07	1.55E-07	5.19E-08	2.07E-07
2597	609642.54	4170401.93	6.60E-07	2.71E-07	9.32E-07	1.10E-07	4.74E-08	1.57E-07	8.10E-08	2.71E-08	1.08E-07
2598	609651.17	4170406.72	6.79E-07	2.79E-07	9.59E-07	1.13E-07	4.88E-08	1.62E-07	8.33E-08	2.78E-08	1.11E-07
2599	609677.05	4170421.1	7.67E-07	3.15E-07	1.08E-06	1.27E-07	5.50E-08	1.82E-07	9.40E-08	3.14E-08	1.25E-07
2600	609685.68	4170425.89	8.03E-07	3.30E-07	1.13E-06	1.33E-07	5.76E-08	1.91E-07	9.85E-08	3.29E-08	1.31E-07
2601	609694.31	4170430.68	8.44E-07	3.47E-07	1.19E-06	1.40E-07	6.05E-08	2.01E-07	1.03E-07	3.46E-08	1.38E-07
2602	609702.94	4170435.48	8.87E-07	3.65E-07	1.25E-06	1.47E-07	6.37E-08	2.11E-07	1.09E-07	3.64E-08	1.45E-07
2603	609711.57	4170440.27	9.34E-07	3.84E-07	1.32E-06	1.55E-07	6.70E-08	2.22E-07	1.14E-07	3.83E-08	1.53E-07
2604	609720.2	4170445.06	9.83E-07	4.04E-07	1.39E-06	1.63E-07	7.05E-08	2.34E-07	1.20E-07	4.03E-08	1.61E-07
2605	609728.82	4170449.85	1.03E-06	4.25E-07	1.46E-06	1.72E-07	7.42E-08	2.46E-07	1.27E-07	4.24E-08	1.69E-07
2606	609737.45	4170454.65	1.09E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
2607	609746.08	4170459.44	1.14E-06	4.68E-07	1.61E-06	1.89E-07	8.17E-08	2.71E-07	1.40E-07	4.67E-08	1.86E-07
2608	609754.71	4170464.23	1.19E-06	4.90E-07	1.68E-06	1.98E-07	8.55E-08	2.83E-07	1.46E-07	4.88E-08	1.95E-07
2609	609644.33	4170392.08	6.08E-07	2.50E-07	8.59E-07	1.01E-07	4.37E-08	1.45E-07	7.46E-08	2.49E-08	9.95E-08
2610	609652.9	4170396.84	6.26E-07	2.57E-07	8.83E-07	1.04E-07	4.49E-08	1.49E-07	7.67E-08	2.56E-08	1.02E-07
2611	609687.18	4170415.88	7.32E-07	3.01E-07	1.03E-06	1.22E-07	5.25E-08	1.74E-07	8.98E-08	3.00E-08	1.20E-07
2612	609695.75	4170420.64	7.67E-07	3.15E-07	1.08E-06	1.27E-07	5.50E-08	1.82E-07	9.40E-08	3.14E-08	1.25E-07
2613	609704.32	4170425.4	8.05E-07	3.31E-07	1.14E-06	1.34E-07	5.77E-08	1.91E-07	9.87E-08	3.30E-08	1.32E-07
2614	609712.89	4170430.16	8.45E-07	3.47E-07	1.19E-06	1.40E-07	6.07E-08	2.01E-07	1.04E-07	3.46E-08	1.38E-07
2615	609721.46	4170434.92	8.88E-07	3.65E-07	1.25E-06	1.48E-07	6.37E-08	2.11E-07	1.09E-07	3.64E-08	1.45E-07
2616	609730.03	4170439.68	9.33E-07	3.84E-07	1.32E-06	1.55E-07	6.70E-08	2.22E-07	1.14E-07	3.83E-08	1.53E-07
2617	609738.6	4170444.44	9.80E-07	4.03E-07	1.38E-06	1.63E-07	7.03E-08	2.33E-07	1.20E-07	4.02E-08	1.60E-07
2618	609747.17	4170449.2	1.03E-06	4.22E-07	1.45E-06	1.71E-07	7.37E-08	2.44E-07	1.26E-07	4.21E-08	1.68E-07
2619	609755.74	4170453.96	1.08E-06	4.42E-07	1.52E-06	1.79E-07	7.72E-08	2.56E-07	1.32E-07	4.41E-08	1.76E-07
2620	609764.3	4170458.72	1.12E-06	4.62E-07	1.59E-06	1.87E-07	8.06E-08	2.67E-07	1.38E-07	4.61E-08	1.84E-07
2621	609646.16	4170382.26	5.63E-07	2.32E-07	7.95E-07	9.36E-08	4.04E-08	1.34E-07	6.91E-08	2.31E-08	9.22E-08
2622	609654.81	4170387.07	5.79E-07	2.38E-07	8.17E-07	9.62E-08	4.16E-08	1.38E-07	7.10E-08	2.37E-08	9.47E-08
2623	609663.47	4170391.87	5.98E-07	2.46E-07	8.44E-07	9.94E-08	4.29E-08	1.42E-07	7.33E-08	2.45E-08	9.79E-08
2624	609698.08	4170411.1	7.04E-07	2.89E-07	9.93E-07	1.17E-07	5.05E-08	1.67E-07	8.63E-08	2.88E-08	1.15E-07
2625	609706.74	4170415.91	7.37E-07	3.03E-07	1.04E-06	1.22E-07	5.29E-08	1.75E-07	9.04E-08	3.02E-08	1.21E-07
2626	609715.39	4170420.71	7.73E-07	3.18E-07	1.09E-06	1.28E-07	5.55E-08	1.84E-07	9.48E-08	3.17E-08	1.27E-07
2627	609724.04	4170425.52	8.12E-07	3.34E-07	1.15E-06	1.35E-07	5.83E-08	1.93E-07	9.95E-08	3.33E-08	1.33E-07
2628	609732.7	4170430.33	8.53E-07	3.50E-07	1.20E-06	1.42E-07	6.12E-08	2.03E-07	1.05E-07	3.49E-08	1.39E-07
2629	609741.35	4170435.13	8.95E-07	3.68E-07	1.26E-06	1.49E-07	6.42E-08	2.13E-07	1.10E-07	3.67E-08	1.46E-07
2630	609750	4170439.94	9.39E-07	3.86E-07	1.32E-06	1.56E-07	6.74E-08	2.23E-07	1.15E-07	3.85E-08	1.54E-07
2631	609758.66	4170444.75	9.83E-07	4.04E-07	1.39E-06	1.63E-07	7.05E-08	2.34E-07	1.21E-07	4.03E-08	1.61E-07
2632	609767.31	4170449.55	1.03E-06	4.22E-07	1.45E-06	1.71E-07	7.37E-08	2.44E-07	1.26E-07	4.21E-08	1.68E-07
2633	609775.96	4170454.36	1.07E-06	4.40E-07	1.51E-06	1.78E-07	7.68E-08	2.55E-07	1.31E-07	4.39E-08	1.75E-07
2634	609647.95	4170372.42	5.24E-07	2.15E-07	7.39E-07	8.71E-08	3.76E-08	1.25E-07	6.43E-08	2.15E-08	8.57E-08
2635	609656.55	4170377.19	5.38E-07	2.21E-07	7.59E-07	8.94E-08	3.86E-08	1.28E-07	6.60E-08	2.21E-08	8.80E-08
2636	609665.15	4170381.97	5.54E-07	2.28E-07	7.82E-07	9.21E-08	3.98E-08	1.32E-07	6.80E-08	2.27E-08	9.07E-08
2637	609673.75	4170386.74	5.73E-07	2.36E-07	8.09E-07	9.52E-08	4.11E-08	1.36E-07	7.03E-08	2.35E-08	9.37E-08
2638	609699.54	4170401.07	6.45E-07	2.65E-07	9.10E-07	1.07E-07	4.63E-08	1.53E-07	7.91E-08	2.64E-08	1.06E-07
2639	609708.14	4170405.85	6.74E-07	2.77E-07	9.51E-07	1.12E-07	4.84E-08	1.60E-07	8.27E-08	2.76E-08	1.10E-07
2640	609716.74	4170410.62	7.06E-07	2.90E-07	9.96E-07	1.17E-07	5.06E-08	1.68E-07	8.65E-08	2.89E-08	1.15E-07
2641	609725.34	4170415.4	7.40E-07	3.04E-07	1.04E-06	1.23E-07	5.31E-08	1.76E-07	9.07E-08	3.03E-08	1.21E-07
2642	609733.93	4170420.17	7.75E-07	3.19E-07	1.09E-06	1.29E-07	5.56E-08	1.84E-07	9.51E-08	3.18E-08	1.27E-07

2643	609742.53	4170424.95	8.13E-07	3.34E-07	1.15E-06	1.35E-07	5.83E-08	1.93E-07	9.97E-08	3.33E-08	1.33E-07
2644	609751.13	4170429.73	8.51E-07	3.50E-07	1.20E-06	1.41E-07	6.11E-08	2.02E-07	1.04E-07	3.49E-08	1.39E-07
2645	609759.73	4170434.5	8.92E-07	3.66E-07	1.26E-06	1.48E-07	6.40E-08	2.12E-07	1.09E-07	3.65E-08	1.46E-07
2646	609768.33	4170439.28	9.32E-07	3.83E-07	1.32E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.53E-07
2647	609776.92	4170444.05	9.72E-07	3.99E-07	1.37E-06	1.61E-07	6.97E-08	2.31E-07	1.19E-07	3.98E-08	1.59E-07
2648	609649.78	4170362.59	4.90E-07	2.01E-07	6.91E-07	8.13E-08	3.51E-08	1.16E-07	6.00E-08	2.01E-08	8.01E-08
2649	609658.45	4170367.41	5.02E-07	2.06E-07	7.08E-07	8.33E-08	3.60E-08	1.19E-07	6.15E-08	2.06E-08	8.21E-08
2650	609667.13	4170372.23	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.33E-08	2.11E-08	8.44E-08
2651	609675.8	4170377.05	5.32E-07	2.19E-07	7.51E-07	8.84E-08	3.82E-08	1.27E-07	6.53E-08	2.18E-08	8.71E-08
2652	609684.48	4170381.87	5.51E-07	2.27E-07	7.78E-07	9.16E-08	3.96E-08	1.31E-07	6.76E-08	2.26E-08	9.02E-08
2653	609710.5	4170396.32	6.22E-07	2.56E-07	8.78E-07	1.03E-07	4.46E-08	1.48E-07	7.63E-08	2.55E-08	1.02E-07
2654	609719.18	4170401.14	6.50E-07	2.67E-07	9.18E-07	1.08E-07	4.67E-08	1.55E-07	7.97E-08	2.67E-08	1.06E-07
2655	609727.85	4170405.96	6.81E-07	2.80E-07	9.60E-07	1.13E-07	4.88E-08	1.62E-07	8.34E-08	2.79E-08	1.11E-07
2656	609736.53	4170410.78	7.13E-07	2.93E-07	1.01E-06	1.18E-07	5.12E-08	1.70E-07	8.74E-08	2.92E-08	1.17E-07
2657	609745.2	4170415.6	7.46E-07	3.07E-07	1.05E-06	1.24E-07	5.36E-08	1.78E-07	9.15E-08	3.06E-08	1.22E-07
2658	609753.88	4170420.41	7.80E-07	3.21E-07	1.10E-06	1.30E-07	5.60E-08	1.85E-07	9.56E-08	3.20E-08	1.28E-07
2659	609762.55	4170425.23	8.16E-07	3.35E-07	1.15E-06	1.36E-07	5.85E-08	1.94E-07	1.00E-07	3.34E-08	1.33E-07
2660	609771.23	4170430.05	8.54E-07	3.51E-07	1.20E-06	1.42E-07	6.13E-08	2.03E-07	1.05E-07	3.50E-08	1.40E-07
2661	609779.91	4170434.87	8.91E-07	3.66E-07	1.26E-06	1.48E-07	6.39E-08	2.12E-07	1.09E-07	3.65E-08	1.46E-07
2662	609788.58	4170439.69	9.26E-07	3.81E-07	1.31E-06	1.54E-07	6.64E-08	2.20E-07	1.14E-07	3.80E-08	1.51E-07
2663	609651.57	4170352.75	4.59E-07	1.89E-07	6.47E-07	7.62E-08	3.29E-08	1.09E-07	5.62E-08	1.88E-08	7.50E-08
2664	609660.19	4170357.54	4.69E-07	1.93E-07	6.62E-07	7.79E-08	3.37E-08	1.12E-07	5.75E-08	1.92E-08	7.67E-08
2665	609668.82	4170362.33	4.81E-07	1.98E-07	6.79E-07	8.00E-08	3.45E-08	1.14E-07	5.90E-08	1.97E-08	7.87E-08
2666	609677.44	4170367.12	4.96E-07	2.04E-07	6.99E-07	8.23E-08	3.56E-08	1.18E-07	6.08E-08	2.03E-08	8.11E-08
2667	609686.06	4170371.91	5.12E-07	2.10E-07	7.22E-07	8.50E-08	3.67E-08	1.22E-07	6.28E-08	2.10E-08	8.38E-08
2668	609720.55	4170391.06	5.98E-07	2.46E-07	8.44E-07	9.93E-08	4.29E-08	1.42E-07	7.33E-08	2.45E-08	9.78E-08
2669	609729.18	4170395.85	6.24E-07	2.57E-07	8.81E-07	1.04E-07	4.48E-08	1.49E-07	7.66E-08	2.56E-08	1.02E-07
2670	609737.8	4170400.64	6.53E-07	2.68E-07	9.21E-07	1.08E-07	4.68E-08	1.55E-07	8.00E-08	2.68E-08	1.07E-07
2671	609746.42	4170405.43	6.82E-07	2.80E-07	9.62E-07	1.13E-07	4.89E-08	1.62E-07	8.36E-08	2.79E-08	1.12E-07
2672	609755.04	4170410.22	7.10E-07	2.92E-07	1.00E-06	1.18E-07	5.10E-08	1.69E-07	8.71E-08	2.91E-08	1.16E-07
2673	609763.67	4170415.01	7.42E-07	3.05E-07	1.05E-06	1.23E-07	5.32E-08	1.76E-07	9.09E-08	3.04E-08	1.21E-07
2674	609772.29	4170419.8	7.75E-07	3.19E-07	1.09E-06	1.29E-07	5.56E-08	1.84E-07	9.50E-08	3.18E-08	1.27E-07
2675	609780.91	4170424.59	8.09E-07	3.33E-07	1.14E-06	1.34E-07	5.81E-08	1.92E-07	9.92E-08	3.32E-08	1.32E-07
2676	609789.53	4170429.38	8.43E-07	3.47E-07	1.19E-06	1.40E-07	6.05E-08	2.01E-07	1.03E-07	3.46E-08	1.38E-07
2677	609653.4	4170342.92	4.31E-07	1.77E-07	6.08E-07	7.16E-08	3.09E-08	1.02E-07	5.28E-08	1.77E-08	7.05E-08
2678	609662.09	4170347.75	4.40E-07	1.81E-07	6.21E-07	7.31E-08	3.16E-08	1.05E-07	5.40E-08	1.80E-08	7.20E-08
2679	609670.78	4170352.58	4.51E-07	1.85E-07	6.36E-07	7.49E-08	3.24E-08	1.07E-07	5.53E-08	1.85E-08	7.38E-08
2680	609679.48	4170357.41	4.63E-07	1.91E-07	6.54E-07	7.70E-08	3.33E-08	1.10E-07	5.68E-08	1.90E-08	7.58E-08
2681	609688.17	4170362.24	4.78E-07	1.96E-07	6.74E-07	7.94E-08	3.43E-08	1.14E-07	5.86E-08	1.96E-08	7.82E-08
2682	609696.86	4170367.07	4.94E-07	2.03E-07	6.97E-07	8.21E-08	3.55E-08	1.18E-07	6.06E-08	2.03E-08	8.09E-08
2683	609731.64	4170386.38	5.78E-07	2.38E-07	8.16E-07	9.61E-08	4.15E-08	1.38E-07	7.09E-08	2.37E-08	9.46E-08
2684	609740.33	4170391.21	6.04E-07	2.48E-07	8.52E-07	1.00E-07	4.33E-08	1.44E-07	7.40E-08	2.48E-08	9.88E-08
2685	609749.03	4170396.04	6.29E-07	2.59E-07	8.88E-07	1.04E-07	4.51E-08	1.50E-07	7.71E-08	2.58E-08	1.03E-07
2686	609757.72	4170400.87	6.55E-07	2.69E-07	9.24E-07	1.09E-07	4.70E-08	1.56E-07	8.03E-08	2.68E-08	1.07E-07
2687	609766.41	4170405.7	6.82E-07	2.80E-07	9.62E-07	1.13E-07	4.89E-08	1.62E-07	8.36E-08	2.79E-08	1.12E-07
2688	609775.11	4170410.53	7.12E-07	2.93E-07	1.00E-06	1.18E-07	5.11E-08	1.69E-07	8.73E-08	2.92E-08	1.16E-07
2689	609783.8	4170415.36	7.44E-07	3.06E-07	1.05E-06	1.24E-07	5.34E-08	1.77E-07	9.12E-08	3.05E-08	1.22E-07
2690	609792.49	4170420.19	7.76E-07	3.19E-07	1.10E-06	1.29E-07	5.57E-08	1.85E-07	9.52E-08	3.18E-08	1.27E-07
2691	609801.19	4170425.01	8.08E-07	3.32E-07	1.14E-06	1.34E-07	5.79E-08	1.92E-07	9.90E-08	3.31E-08	1.32E-07
2692	609655.19	4170333.08	4.06E-07	1.67E-07	5.73E-07	6.74E-08	2.91E-08	9.65E-08	4.98E-08	1.66E-08	6.64E-08
2693	609663.83	4170337.88	4.14E-07	1.70E-07	5.84E-07	6.87E-08	2.97E-08	9.84E-08	5.07E-08	1.70E-08	6.77E-08
2694	609672.48	4170342.68	4.23E-07	1.74E-07	5.97E-07	7.03E-08	3.04E-08	1.01E-07	5.19E-08	1.73E-08	6.92E-08
2695	609681.12	4170347.49	4.34E-07	1.78E-07	6.13E-07	7.21E-08	3.12E-08	1.03E-07	5.32E-08	1.78E-08	7.10E-08
2696	609689.77	4170352.29	4.47E-07	1.84E-07	6.30E-07	7.42E-08	3.21E-08	1.06E-07	5.48E-08	1.83E-08	7.31E-08
2697	609698.41	4170357.09	4.61E-07	1.89E-07	6.50E-07	7.66E-08	3.31E-08	1.10E-07	5.65E-08	1.89E-08	7.54E-08
2698	609707.05	4170361.89	4.77E-07	1.96E-07	6.73E-07	7.92E-08	3.42E-08	1.13E-07	5.85E-08	1.95E-08	7.80E-08
2699	609732.99	4170376.29	5.35E-07	2.20E-07	7.54E-07	8.88E-08	3.84E-08	1.27E-07	6.55E-08	2.19E-08	8.75E-08
2700	609741.63	4170381.09	5.57E-07	2.29E-07	7.86E-07	9.25E-08	4.00E-08	1.32E-07	6.83E-08	2.28E-08	9.11E-08
2701	609750.27	4170385.9	5.79E-07	2.38E-07	8.17E-07	9.62E-08	4.15E-08	1.38E-07	7.10E-08	2.37E-08	9.47E-08
2702	609758.92	4170390.7	6.01E-07	2.47E-07	8.49E-07	9.99E-08	4.32E-08	1.43E-07	7.37E-08	2.47E-08	9.84E-08
2703	609767.56	4170395.5	6.25E-07	2.57E-07	8.83E-07	1.04E-07	4.49E-08	1.49E-07	7.67E-08	2.56E-08	1.02E-07
2704	609776.21	4170400.3	6.51E-07	2.68E-07	9.19E-07	1.08E-07	4.67E-08	1.55E-07	7.99E-08	2.67E-08	1.07E-07
2705	609784.85	4170405.1	6.80E-07	2.80E-07	9.60E-07	1.13E-07	4.88E-08	1.62E-07	8.34E-08	2.79E-08	1.11E-07

2706	609793.49	4170409.9	7.10E-07	2.92E-07	1.00E-06	1.18E-07	5.09E-08	1.69E-07	8.70E-08	2.91E-08	1.16E-07
2707	609802.14	4170414.7	7.39E-07	3.04E-07	1.04E-06	1.23E-07	5.31E-08	1.76E-07	9.07E-08	3.03E-08	1.21E-07
2708	609810.78	4170419.5	7.69E-07	3.16E-07	1.09E-06	1.28E-07	5.52E-08	1.83E-07	9.43E-08	3.15E-08	1.26E-07
2709	609657.01	4170323.26	3.83E-07	1.58E-07	5.41E-07	6.37E-08	2.75E-08	9.11E-08	4.70E-08	1.57E-08	6.27E-08
2710	609665.72	4170328.09	3.90E-07	1.60E-07	5.51E-07	6.48E-08	2.80E-08	9.28E-08	4.78E-08	1.60E-08	6.38E-08
2711	609674.43	4170332.93	3.99E-07	1.64E-07	5.62E-07	6.62E-08	2.86E-08	9.48E-08	4.89E-08	1.63E-08	6.52E-08
2712	609683.14	4170337.77	4.08E-07	1.68E-07	5.76E-07	6.78E-08	2.93E-08	9.71E-08	5.01E-08	1.67E-08	6.68E-08
2713	609691.85	4170342.61	4.20E-07	1.72E-07	5.92E-07	6.97E-08	3.01E-08	9.98E-08	5.14E-08	1.72E-08	6.86E-08
2714	609700.56	4170347.44	4.32E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.07E-08
2715	609709.27	4170352.28	4.46E-07	1.84E-07	6.30E-07	7.42E-08	3.20E-08	1.06E-07	5.47E-08	1.83E-08	7.30E-08
2716	609744.11	4170371.63	5.18E-07	2.13E-07	7.31E-07	8.61E-08	3.72E-08	1.23E-07	6.35E-08	2.12E-08	8.48E-08
2717	609752.82	4170376.47	5.37E-07	2.21E-07	7.58E-07	8.92E-08	3.86E-08	1.28E-07	6.59E-08	2.20E-08	8.79E-08
2718	609761.53	4170381.31	5.58E-07	2.29E-07	7.87E-07	9.27E-08	4.00E-08	1.33E-07	6.84E-08	2.29E-08	9.13E-08
2719	609770.24	4170386.15	5.80E-07	2.38E-07	8.18E-07	9.63E-08	4.16E-08	1.38E-07	7.11E-08	2.38E-08	9.48E-08
2720	609778.95	4170390.98	6.04E-07	2.48E-07	8.52E-07	1.00E-07	4.33E-08	1.44E-07	7.40E-08	2.48E-08	9.88E-08
2721	609787.66	4170395.82	6.30E-07	2.59E-07	8.89E-07	1.05E-07	4.52E-08	1.50E-07	7.73E-08	2.58E-08	1.03E-07
2722	609796.37	4170400.66	6.57E-07	2.70E-07	9.27E-07	1.09E-07	4.72E-08	1.56E-07	8.06E-08	2.69E-08	1.08E-07
2723	609805.08	4170405.5	6.85E-07	2.82E-07	9.67E-07	1.14E-07	4.92E-08	1.63E-07	8.40E-08	2.81E-08	1.12E-07
2724	609813.79	4170410.34	7.13E-07	2.93E-07	1.01E-06	1.18E-07	5.12E-08	1.70E-07	8.74E-08	2.92E-08	1.17E-07
2725	609658.81	4170313.41	3.63E-07	1.49E-07	5.12E-07	6.02E-08	2.60E-08	8.62E-08	4.44E-08	1.49E-08	5.93E-08
2726	609667.47	4170318.22	3.69E-07	1.52E-07	5.20E-07	6.12E-08	2.65E-08	8.77E-08	4.52E-08	1.51E-08	6.03E-08
2727	609676.13	4170323.04	3.76E-07	1.55E-07	5.31E-07	6.25E-08	2.70E-08	8.94E-08	4.61E-08	1.54E-08	6.15E-08
2728	609684.8	4170327.85	3.85E-07	1.58E-07	5.43E-07	6.39E-08	2.76E-08	9.15E-08	4.72E-08	1.58E-08	6.29E-08
2729	609693.46	4170332.66	3.94E-07	1.62E-07	5.57E-07	6.55E-08	2.83E-08	9.38E-08	4.84E-08	1.62E-08	6.45E-08
2730	609702.12	4170337.47	4.06E-07	1.67E-07	5.72E-07	6.74E-08	2.91E-08	9.65E-08	4.97E-08	1.66E-08	6.63E-08
2731	609710.78	4170342.28	4.18E-07	1.72E-07	5.90E-07	6.94E-08	3.00E-08	9.94E-08	5.13E-08	1.71E-08	6.84E-08
2732	609719.45	4170347.09	4.32E-07	1.77E-07	6.09E-07	7.17E-08	3.10E-08	1.03E-07	5.29E-08	1.77E-08	7.06E-08
2733	609754.1	4170366.34	4.98E-07	2.05E-07	7.02E-07	8.27E-08	3.57E-08	1.18E-07	6.10E-08	2.04E-08	8.14E-08
2734	609762.76	4170371.15	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.32E-08	2.11E-08	8.44E-08
2735	609771.42	4170375.96	5.35E-07	2.20E-07	7.55E-07	8.89E-08	3.84E-08	1.27E-07	6.56E-08	2.19E-08	8.75E-08
2736	609780.08	4170380.78	5.57E-07	2.29E-07	7.86E-07	9.25E-08	4.00E-08	1.33E-07	6.83E-08	2.28E-08	9.11E-08
2737	609788.75	4170385.59	5.81E-07	2.39E-07	8.19E-07	9.64E-08	4.17E-08	1.38E-07	7.12E-08	2.38E-08	9.50E-08
2738	609797.41	4170390.4	6.05E-07	2.49E-07	8.54E-07	1.01E-07	4.34E-08	1.44E-07	7.42E-08	2.48E-08	9.90E-08
2739	609806.07	4170395.21	6.30E-07	2.59E-07	8.89E-07	1.05E-07	4.52E-08	1.50E-07	7.73E-08	2.58E-08	1.03E-07
2740	609814.73	4170400.02	6.56E-07	2.70E-07	9.25E-07	1.09E-07	4.71E-08	1.56E-07	8.04E-08	2.69E-08	1.07E-07
2741	609823.4	4170404.83	6.82E-07	2.80E-07	9.62E-07	1.13E-07	4.89E-08	1.62E-07	8.36E-08	2.80E-08	1.12E-07
2742	609596.41	4170596.66	1.35E-05	5.53E-06	1.90E-05	2.24E-06	9.66E-07	3.20E-06	1.65E-06	5.52E-07	2.20E-06
2743	609598.19	4170586.66	1.01E-05	4.15E-06	1.43E-05	1.68E-06	7.25E-07	2.40E-06	1.24E-06	4.14E-07	1.65E-06
2744	609599.64	4170576.79	7.90E-06	3.25E-06	1.11E-05	1.31E-06	5.67E-07	1.88E-06	9.68E-07	3.24E-07	1.29E-06
2745	609599.7	4170566.8	6.33E-06	2.60E-06	8.93E-06	1.05E-06	4.54E-07	1.51E-06	7.76E-07	2.59E-07	1.04E-06
2746	609599.74	4170556.8	5.16E-06	2.12E-06	7.28E-06	8.56E-07	3.70E-07	1.23E-06	6.32E-07	2.11E-07	8.44E-07
2747	609599.77	4170546.8	4.26E-06	1.75E-06	6.01E-06	7.07E-07	3.06E-07	1.01E-06	5.22E-07	1.75E-07	6.97E-07
2748	609599.8	4170536.81	3.56E-06	1.46E-06	5.02E-06	5.91E-07	2.55E-07	8.46E-07	4.36E-07	1.46E-07	5.82E-07
2749	609599.82	4170526.81	3.00E-06	1.23E-06	4.24E-06	4.99E-07	2.16E-07	7.14E-07	3.68E-07	1.23E-07	4.91E-07
2750	609609.57	4170527.7	2.99E-06	1.23E-06	4.22E-06	4.97E-07	2.15E-07	7.12E-07	3.67E-07	1.23E-07	4.90E-07
2751	609599.83	4170516.81	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.84E-07	6.09E-07	3.14E-07	1.05E-07	4.19E-07
2752	609609.69	4170517.71	2.55E-06	1.05E-06	3.60E-06	4.24E-07	1.83E-07	6.08E-07	3.13E-07	1.05E-07	4.18E-07
2753	609599.85	4170506.81	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.03E-08	3.60E-07
2754	609609.78	4170507.72	2.20E-06	9.04E-07	3.10E-06	3.65E-07	1.58E-07	5.23E-07	2.70E-07	9.01E-08	3.60E-07
2755	609599.86	4170496.81	1.91E-06	7.86E-07	2.70E-06	3.18E-07	1.37E-07	4.55E-07	2.34E-07	7.84E-08	3.13E-07
2756	609609.86	4170497.72	1.91E-06	7.84E-07	2.69E-06	3.17E-07	1.37E-07	4.54E-07	2.34E-07	7.82E-08	3.12E-07
2757	609599.87	4170486.81	1.67E-06	6.88E-07	2.36E-06	2.78E-07	1.20E-07	3.98E-07	2.05E-07	6.86E-08	2.74E-07
2758	609609.93	4170487.73	1.67E-06	6.86E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.05E-07	6.84E-08	2.73E-07
2759	609609.99	4170477.73	1.47E-06	6.04E-07	2.07E-06	2.44E-07	1.06E-07	3.50E-07	1.80E-07	6.03E-08	2.41E-07
2760	609620.21	4170468.67	1.30E-06	5.36E-07	1.84E-06	2.17E-07	9.36E-08	3.10E-07	1.60E-07	5.35E-08	2.13E-07
2761	609620.56	4170418.7	7.87E-07	3.23E-07	1.11E-06	1.31E-07	5.65E-08	1.87E-07	9.65E-08	3.23E-08	1.29E-07
2762	609599.91	4170406.82	7.39E-07	3.04E-07	1.04E-06	1.23E-07	5.30E-08	1.76E-07	9.06E-08	3.03E-08	1.21E-07
2763	609610.26	4170407.76	7.30E-07	3.00E-07	1.03E-06	1.21E-07	5.24E-08	1.74E-07	8.95E-08	2.99E-08	1.19E-07
2764	609620.61	4170408.7	7.23E-07	2.97E-07	1.02E-06	1.20E-07	5.19E-08	1.72E-07	8.86E-08	2.96E-08	1.18E-07
2765	609630.95	4170409.64	7.18E-07	2.95E-07	1.01E-06	1.19E-07	5.16E-08	1.71E-07	8.81E-08	2.95E-08	1.18E-07
2766	609599.92	4170396.82	6.84E-07	2.81E-07	9.65E-07	1.14E-07	4.91E-08	1.63E-07	8.39E-08	2.80E-08	1.12E-07
2767	609610.29	4170397.76	6.74E-07	2.77E-07	9.52E-07	1.12E-07	4.84E-08	1.60E-07	8.27E-08	2.76E-08	1.10E-07
2768	609620.65	4170398.71	6.67E-07	2.74E-07	9.42E-07	1.11E-07	4.79E-08	1.59E-07	8.18E-08	2.74E-08	1.09E-07

2769	609631.02	4170399.65	6.60E-07	2.71E-07	9.32E-07	1.10E-07	4.74E-08	1.57E-07	8.09E-08	2.71E-08	1.08E-07
2770	609599.92	4170386.82	6.36E-07	2.61E-07	8.97E-07	1.06E-07	4.56E-08	1.51E-07	7.79E-08	2.61E-08	1.04E-07
2771	609610.31	4170387.76	6.25E-07	2.57E-07	8.81E-07	1.04E-07	4.48E-08	1.49E-07	7.66E-08	2.56E-08	1.02E-07
2772	609620.7	4170388.71	6.15E-07	2.53E-07	8.68E-07	1.02E-07	4.41E-08	1.46E-07	7.54E-08	2.52E-08	1.01E-07
2773	609631.08	4170389.66	6.08E-07	2.50E-07	8.58E-07	1.01E-07	4.37E-08	1.45E-07	7.46E-08	2.49E-08	9.95E-08
2774	609599.92	4170376.82	5.93E-07	2.44E-07	8.36E-07	9.85E-08	4.25E-08	1.41E-07	7.27E-08	2.43E-08	9.70E-08
2775	609610.33	4170377.77	5.80E-07	2.39E-07	8.19E-07	9.64E-08	4.17E-08	1.38E-07	7.12E-08	2.38E-08	9.50E-08
2776	609620.74	4170378.71	5.70E-07	2.34E-07	8.04E-07	9.47E-08	4.09E-08	1.36E-07	6.99E-08	2.34E-08	9.33E-08
2777	609631.14	4170379.66	5.64E-07	2.32E-07	7.95E-07	9.36E-08	4.04E-08	1.34E-07	6.91E-08	2.31E-08	9.22E-08
2778	609599.93	4170366.82	5.55E-07	2.28E-07	7.83E-07	9.21E-08	3.98E-08	1.32E-07	6.80E-08	2.27E-08	9.07E-08
2779	609610.35	4170367.77	5.43E-07	2.23E-07	7.66E-07	9.01E-08	3.89E-08	1.29E-07	6.65E-08	2.22E-08	8.88E-08
2780	609620.77	4170368.72	5.32E-07	2.19E-07	7.51E-07	8.84E-08	3.82E-08	1.27E-07	6.52E-08	2.18E-08	8.71E-08
2781	609631.19	4170369.67	5.25E-07	2.16E-07	7.41E-07	8.73E-08	3.77E-08	1.25E-07	6.44E-08	2.15E-08	8.60E-08
2782	609599.93	4170356.82	5.21E-07	2.14E-07	7.35E-07	8.65E-08	3.74E-08	1.24E-07	6.38E-08	2.13E-08	8.52E-08
2783	609610.37	4170357.77	5.09E-07	2.09E-07	7.18E-07	8.46E-08	3.65E-08	1.21E-07	6.24E-08	2.09E-08	8.33E-08
2784	609620.8	4170358.72	4.99E-07	2.05E-07	7.04E-07	8.29E-08	3.58E-08	1.19E-07	6.12E-08	2.05E-08	8.16E-08
2785	609631.24	4170359.67	4.92E-07	2.02E-07	6.95E-07	8.18E-08	3.53E-08	1.17E-07	6.04E-08	2.02E-08	8.05E-08
2786	609599.93	4170346.82	4.90E-07	2.01E-07	6.91E-07	8.14E-08	3.52E-08	1.17E-07	6.01E-08	2.01E-08	8.02E-08
2787	609610.38	4170347.77	4.79E-07	1.97E-07	6.76E-07	7.96E-08	3.44E-08	1.14E-07	5.87E-08	1.96E-08	7.84E-08
2788	609620.84	4170348.72	4.69E-07	1.93E-07	6.62E-07	7.80E-08	3.37E-08	1.12E-07	5.75E-08	1.92E-08	7.68E-08
2789	609631.29	4170349.67	4.63E-07	1.90E-07	6.53E-07	7.69E-08	3.32E-08	1.10E-07	5.67E-08	1.90E-08	7.57E-08
2790	609641.74	4170350.63	4.58E-07	1.88E-07	6.46E-07	7.61E-08	3.29E-08	1.09E-07	5.62E-08	1.88E-08	7.49E-08
2791	609599.93	4170336.82	4.62E-07	1.90E-07	6.52E-07	7.68E-08	3.32E-08	1.10E-07	5.67E-08	1.90E-08	7.56E-08
2792	609610.4	4170337.77	4.52E-07	1.86E-07	6.38E-07	7.51E-08	3.24E-08	1.07E-07	5.54E-08	1.85E-08	7.39E-08
2793	609620.86	4170338.73	4.43E-07	1.82E-07	6.25E-07	7.35E-08	3.18E-08	1.05E-07	5.43E-08	1.81E-08	7.24E-08
2794	609631.33	4170339.68	4.36E-07	1.79E-07	6.15E-07	7.24E-08	3.13E-08	1.04E-07	5.35E-08	1.79E-08	7.14E-08
2795	609641.8	4170340.63	4.31E-07	1.77E-07	6.09E-07	7.17E-08	3.10E-08	1.03E-07	5.29E-08	1.77E-08	7.06E-08
2796	609599.94	4170326.82	4.37E-07	1.80E-07	6.17E-07	7.27E-08	3.14E-08	1.04E-07	5.36E-08	1.79E-08	7.16E-08
2797	609610.41	4170327.77	4.27E-07	1.76E-07	6.03E-07	7.10E-08	3.07E-08	1.02E-07	5.24E-08	1.75E-08	6.99E-08
2798	609620.89	4170328.73	4.19E-07	1.72E-07	5.91E-07	6.95E-08	3.00E-08	9.96E-08	5.13E-08	1.72E-08	6.85E-08
2799	609631.37	4170329.68	4.12E-07	1.69E-07	5.82E-07	6.85E-08	2.96E-08	9.80E-08	5.05E-08	1.69E-08	6.74E-08
2800	609641.85	4170330.64	4.07E-07	1.67E-07	5.75E-07	6.77E-08	2.92E-08	9.69E-08	4.99E-08	1.67E-08	6.66E-08
2801	609599.94	4170316.82	4.15E-07	1.70E-07	5.85E-07	6.89E-08	2.98E-08	9.86E-08	5.08E-08	1.70E-08	6.78E-08
2802	609610.43	4170317.77	4.05E-07	1.67E-07	5.72E-07	6.73E-08	2.91E-08	9.64E-08	4.97E-08	1.66E-08	6.63E-08
2803	609620.92	4170318.73	3.97E-07	1.63E-07	5.60E-07	6.59E-08	2.85E-08	9.43E-08	4.86E-08	1.63E-08	6.49E-08
2804	609631.41	4170319.69	3.90E-07	1.60E-07	5.51E-07	6.48E-08	2.80E-08	9.29E-08	4.79E-08	1.60E-08	6.39E-08
2805	609641.9	4170320.64	3.86E-07	1.58E-07	5.44E-07	6.40E-08	2.77E-08	9.17E-08	4.73E-08	1.58E-08	6.31E-08
2806	609599.94	4170306.82	3.94E-07	1.62E-07	5.56E-07	6.54E-08	2.83E-08	9.37E-08	4.83E-08	1.61E-08	6.44E-08
2807	609610.44	4170307.78	3.85E-07	1.58E-07	5.43E-07	6.39E-08	2.76E-08	9.15E-08	4.72E-08	1.58E-08	6.30E-08
2808	609620.94	4170308.73	3.77E-07	1.55E-07	5.31E-07	6.26E-08	2.70E-08	8.96E-08	4.62E-08	1.54E-08	6.16E-08
2809	609631.44	4170309.69	3.71E-07	1.52E-07	5.23E-07	6.15E-08	2.66E-08	8.81E-08	4.54E-08	1.52E-08	6.06E-08
2810	609641.94	4170310.64	3.66E-07	1.50E-07	5.16E-07	6.08E-08	2.62E-08	8.70E-08	4.48E-08	1.50E-08	5.98E-08
2811	609586.93	4170596.59	1.44E-05	5.92E-06	2.03E-05	2.39E-06	1.03E-06	3.43E-06	1.77E-06	5.91E-07	2.36E-06
2812	609577.3	4170596.51	1.55E-05	6.36E-06	2.18E-05	2.57E-06	1.11E-06	3.68E-06	1.90E-06	6.34E-07	2.53E-06
2813	609567.67	4170596.44	1.65E-05	6.77E-06	2.32E-05	2.74E-06	1.18E-06	3.92E-06	2.02E-06	6.75E-07	2.70E-06
2814	609558.04	4170596.36	1.74E-05	7.14E-06	2.45E-05	2.89E-06	1.25E-06	4.13E-06	2.13E-06	7.12E-07	2.84E-06
2815	609548.41	4170596.29	1.81E-05	7.45E-06	2.56E-05	3.01E-06	1.30E-06	4.31E-06	2.22E-06	7.43E-07	2.97E-06
2816	609538.78	4170596.21	1.87E-05	7.70E-06	2.64E-05	3.11E-06	1.34E-06	4.45E-06	2.30E-06	7.68E-07	3.06E-06
2817	609529.15	4170596.14	1.92E-05	7.88E-06	2.70E-05	3.18E-06	1.38E-06	4.56E-06	2.35E-06	7.86E-07	3.14E-06
2818	609519.52	4170596.07	1.95E-05	8.00E-06	2.75E-05	3.23E-06	1.40E-06	4.63E-06	2.39E-06	7.98E-07	3.18E-06
2819	609509.89	4170595.99	1.96E-05	8.06E-06	2.77E-05	3.26E-06	1.41E-06	4.66E-06	2.40E-06	8.04E-07	3.21E-06
2820	609500.26	4170595.92	1.96E-05	8.06E-06	2.77E-05	3.26E-06	1.41E-06	4.67E-06	2.40E-06	8.04E-07	3.21E-06
2821	609490.63	4170595.84	1.95E-05	8.01E-06	2.75E-05	3.24E-06	1.40E-06	4.63E-06	2.39E-06	7.98E-07	3.19E-06
2822	609481	4170595.77	1.92E-05	7.90E-06	2.71E-05	3.19E-06	1.38E-06	4.57E-06	2.36E-06	7.87E-07	3.14E-06
2823	609471.37	4170595.69	1.88E-05	7.72E-06	2.65E-05	3.12E-06	1.35E-06	4.47E-06	2.30E-06	7.70E-07	3.07E-06
2824	609587.01	4170586.59	1.08E-05	4.43E-06	1.52E-05	1.79E-06	7.73E-07	2.56E-06	1.32E-06	4.41E-07	1.76E-06
2825	609577.38	4170586.51	1.14E-05	4.69E-06	1.61E-05	1.90E-06	8.19E-07	2.72E-06	1.40E-06	4.68E-07	1.87E-06
2826	609567.75	4170586.44	1.21E-05	4.97E-06	1.70E-05	2.01E-06	8.67E-07	2.87E-06	1.48E-06	4.95E-07	1.98E-06
2827	609558.12	4170586.36	1.27E-05	5.23E-06	1.79E-05	2.11E-06	9.12E-07	3.02E-06	1.56E-06	5.21E-07	2.08E-06
2828	609548.49	4170586.29	1.33E-05	5.46E-06	1.87E-05	2.21E-06	9.53E-07	3.16E-06	1.63E-06	5.44E-07	2.17E-06
2829	609538.86	4170586.21	1.37E-05	5.65E-06	1.94E-05	2.28E-06	9.86E-07	3.27E-06	1.68E-06	5.63E-07	2.25E-06
2830	609529.23	4170586.14	1.41E-05	5.79E-06	1.99E-05	2.34E-06	1.01E-06	3.35E-06	1.73E-06	5.78E-07	2.31E-06
2831	609519.6	4170586.07	1.44E-05	5.90E-06	2.02E-05	2.38E-06	1.03E-06	3.41E-06	1.76E-06	5.88E-07	2.35E-06

2832	609509.97	4170585.99	1.45E-05	5.96E-06	2.04E-05	2.41E-06	1.04E-06	3.45E-06	1.78E-06	5.94E-07	2.37E-06
2833	609500.34	4170585.92	1.45E-05	5.97E-06	2.05E-05	2.41E-06	1.04E-06	3.46E-06	1.78E-06	5.96E-07	2.38E-06
2834	609490.71	4170585.84	1.45E-05	5.95E-06	2.04E-05	2.40E-06	1.04E-06	3.44E-06	1.77E-06	5.93E-07	2.37E-06
2835	609481.08	4170585.77	1.43E-05	5.88E-06	2.02E-05	2.38E-06	1.03E-06	3.40E-06	1.75E-06	5.86E-07	2.34E-06
2836	609471.44	4170585.69	1.40E-05	5.77E-06	1.98E-05	2.33E-06	1.01E-06	3.34E-06	1.72E-06	5.76E-07	2.30E-06
2837	609587.09	4170576.59	8.34E-06	3.43E-06	1.18E-05	1.39E-06	5.98E-07	1.98E-06	1.02E-06	3.42E-07	1.36E-06
2838	609577.46	4170576.51	8.75E-06	3.60E-06	1.24E-05	1.45E-06	6.28E-07	2.08E-06	1.07E-06	3.59E-07	1.43E-06
2839	609567.83	4170576.44	9.20E-06	3.78E-06	1.30E-05	1.53E-06	6.60E-07	2.19E-06	1.13E-06	3.77E-07	1.51E-06
2840	609558.2	4170576.36	9.64E-06	3.96E-06	1.36E-05	1.60E-06	6.92E-07	2.29E-06	1.18E-06	3.95E-07	1.58E-06
2841	609548.57	4170576.29	1.01E-05	4.13E-06	1.42E-05	1.67E-06	7.21E-07	2.39E-06	1.23E-06	4.12E-07	1.64E-06
2842	609538.94	4170576.21	1.04E-05	4.28E-06	1.47E-05	1.73E-06	7.47E-07	2.48E-06	1.28E-06	4.27E-07	1.70E-06
2843	609529.31	4170576.14	1.07E-05	4.40E-06	1.51E-05	1.78E-06	7.68E-07	2.54E-06	1.31E-06	4.39E-07	1.75E-06
2844	609519.67	4170576.07	1.09E-05	4.49E-06	1.54E-05	1.81E-06	7.84E-07	2.60E-06	1.34E-06	4.48E-07	1.79E-06
2845	609510.04	4170575.99	1.11E-05	4.55E-06	1.56E-05	1.84E-06	7.94E-07	2.63E-06	1.36E-06	4.53E-07	1.81E-06
2846	609500.41	4170575.92	1.11E-05	4.58E-06	1.57E-05	1.85E-06	7.99E-07	2.65E-06	1.36E-06	4.56E-07	1.82E-06
2847	609490.78	4170575.84	1.11E-05	4.57E-06	1.57E-05	1.85E-06	7.99E-07	2.65E-06	1.36E-06	4.56E-07	1.82E-06
2848	609481.15	4170575.77	1.11E-05	4.55E-06	1.56E-05	1.84E-06	7.94E-07	2.63E-06	1.36E-06	4.53E-07	1.81E-06
2849	609423.37	4170575.32	9.79E-06	4.02E-06	1.38E-05	1.63E-06	7.02E-07	2.33E-06	1.20E-06	4.01E-07	1.60E-06
2850	609587.17	4170566.59	6.62E-06	2.72E-06	9.34E-06	1.10E-06	4.75E-07	1.57E-06	8.12E-07	2.71E-07	1.08E-06
2851	609577.54	4170566.51	6.89E-06	2.83E-06	9.73E-06	1.14E-06	4.95E-07	1.64E-06	8.45E-07	2.83E-07	1.13E-06
2852	609567.9	4170566.44	7.19E-06	2.96E-06	1.02E-05	1.20E-06	5.16E-07	1.71E-06	8.82E-07	2.95E-07	1.18E-06
2853	609558.27	4170566.36	7.51E-06	3.08E-06	1.06E-05	1.25E-06	5.39E-07	1.79E-06	9.20E-07	3.08E-07	1.23E-06
2854	609548.64	4170566.29	7.81E-06	3.21E-06	1.10E-05	1.30E-06	5.60E-07	1.86E-06	9.57E-07	3.20E-07	1.28E-06
2855	609539.01	4170566.21	8.08E-06	3.32E-06	1.14E-05	1.34E-06	5.80E-07	1.92E-06	9.91E-07	3.31E-07	1.32E-06
2856	609529.38	4170566.14	8.32E-06	3.42E-06	1.17E-05	1.38E-06	5.97E-07	1.98E-06	1.02E-06	3.41E-07	1.36E-06
2857	609519.75	4170566.07	8.52E-06	3.50E-06	1.20E-05	1.41E-06	6.11E-07	2.03E-06	1.04E-06	3.49E-07	1.39E-06
2858	609510.12	4170565.99	8.66E-06	3.56E-06	1.22E-05	1.44E-06	6.21E-07	2.06E-06	1.06E-06	3.55E-07	1.42E-06
2859	609500.49	4170565.92	8.75E-06	3.60E-06	1.24E-05	1.45E-06	6.28E-07	2.08E-06	1.07E-06	3.59E-07	1.43E-06
2860	609490.86	4170565.84	8.80E-06	3.62E-06	1.24E-05	1.46E-06	6.31E-07	2.09E-06	1.08E-06	3.61E-07	1.44E-06
2861	609587.24	4170556.59	5.35E-06	2.20E-06	7.55E-06	8.89E-07	3.84E-07	1.27E-06	6.56E-07	2.19E-07	8.76E-07
2862	609577.61	4170556.51	5.54E-06	2.28E-06	7.82E-06	9.20E-07	3.97E-07	1.32E-06	6.79E-07	2.27E-07	9.06E-07
2863	609567.98	4170556.44	5.75E-06	2.36E-06	8.11E-06	9.55E-07	4.12E-07	1.37E-06	7.05E-07	2.36E-07	9.40E-07
2864	609558.35	4170556.36	5.97E-06	2.45E-06	8.42E-06	9.92E-07	4.28E-07	1.42E-06	7.32E-07	2.45E-07	9.77E-07
2865	609548.72	4170556.29	6.20E-06	2.55E-06	8.74E-06	1.03E-06	4.45E-07	1.47E-06	7.60E-07	2.54E-07	1.01E-06
2866	609539.09	4170556.22	6.41E-06	2.64E-06	9.05E-06	1.07E-06	4.60E-07	1.53E-06	7.86E-07	2.63E-07	1.05E-06
2867	609529.46	4170556.14	6.61E-06	2.72E-06	9.33E-06	1.10E-06	4.74E-07	1.57E-06	8.10E-07	2.71E-07	1.08E-06
2868	609519.83	4170556.07	6.78E-06	2.79E-06	9.57E-06	1.13E-06	4.87E-07	1.61E-06	8.31E-07	2.78E-07	1.11E-06
2869	609510.2	4170555.99	6.92E-06	2.84E-06	9.77E-06	1.15E-06	4.97E-07	1.65E-06	8.49E-07	2.84E-07	1.13E-06
2870	609462.05	4170555.62	7.18E-06	2.95E-06	1.01E-05	1.19E-06	5.15E-07	1.71E-06	8.81E-07	2.94E-07	1.18E-06
2871	609452.42	4170555.55	7.17E-06	2.95E-06	1.01E-05	1.19E-06	5.15E-07	1.71E-06	8.79E-07	2.94E-07	1.17E-06
2872	609442.78	4170555.47	7.14E-06	2.94E-06	1.01E-05	1.19E-06	5.13E-07	1.70E-06	8.76E-07	2.93E-07	1.17E-06
2873	609433.15	4170555.4	7.10E-06	2.92E-06	1.00E-05	1.18E-06	5.09E-07	1.69E-06	8.70E-07	2.91E-07	1.16E-06
2874	609587.32	4170546.59	4.39E-06	1.81E-06	6.20E-06	7.30E-07	3.15E-07	1.05E-06	5.39E-07	1.80E-07	7.19E-07
2875	609577.69	4170546.51	4.53E-06	1.86E-06	6.39E-06	7.52E-07	3.25E-07	1.08E-06	5.55E-07	1.86E-07	7.40E-07
2876	609568.06	4170546.44	4.68E-06	1.92E-06	6.60E-06	7.77E-07	3.36E-07	1.11E-06	5.73E-07	1.92E-07	7.65E-07
2877	609558.43	4170546.36	4.84E-06	1.99E-06	6.83E-06	8.04E-07	3.47E-07	1.15E-06	5.93E-07	1.98E-07	7.92E-07
2878	609548.8	4170546.29	5.01E-06	2.06E-06	7.07E-06	8.32E-07	3.60E-07	1.19E-06	6.14E-07	2.05E-07	8.20E-07
2879	609539.17	4170546.22	5.18E-06	2.13E-06	7.31E-06	8.61E-07	3.72E-07	1.23E-06	6.36E-07	2.12E-07	8.48E-07
2880	609529.54	4170546.14	5.35E-06	2.20E-06	7.54E-06	8.88E-07	3.84E-07	1.27E-06	6.56E-07	2.19E-07	8.75E-07
2881	609519.91	4170546.07	5.50E-06	2.26E-06	7.76E-06	9.14E-07	3.95E-07	1.31E-06	6.74E-07	2.25E-07	9.00E-07
2882	609471.75	4170545.69	5.99E-06	2.46E-06	8.45E-06	9.95E-07	4.30E-07	1.42E-06	7.34E-07	2.45E-07	9.80E-07
2883	609462.12	4170545.62	6.04E-06	2.48E-06	8.52E-06	1.00E-06	4.33E-07	1.44E-06	7.40E-07	2.47E-07	9.87E-07
2884	609452.49	4170545.55	6.07E-06	2.49E-06	8.56E-06	1.01E-06	4.36E-07	1.44E-06	7.44E-07	2.49E-07	9.93E-07
2885	609442.86	4170545.47	6.09E-06	2.50E-06	8.59E-06	1.01E-06	4.37E-07	1.45E-06	7.46E-07	2.50E-07	9.96E-07
2886	609433.23	4170545.4	6.09E-06	2.50E-06	8.59E-06	1.01E-06	4.37E-07	1.45E-06	7.46E-07	2.50E-07	9.96E-07
2887	609423.6	4170545.32	6.06E-06	2.49E-06	8.56E-06	1.01E-06	4.35E-07	1.44E-06	7.44E-07	2.49E-07	9.92E-07
2888	609587.4	4170536.59	3.65E-06	1.50E-06	5.16E-06	6.07E-07	2.62E-07	8.69E-07	4.48E-07	1.50E-07	5.98E-07
2889	609577.77	4170536.51	3.75E-06	1.54E-06	5.29E-06	6.23E-07	2.69E-07	8.92E-07	4.60E-07	1.54E-07	6.14E-07
2890	609568.14	4170536.44	3.86E-06	1.59E-06	5.45E-06	6.42E-07	2.77E-07	9.19E-07	4.74E-07	1.58E-07	6.32E-07
2891	609558.51	4170536.36	3.99E-06	1.64E-06	5.62E-06	6.62E-07	2.86E-07	9.48E-07	4.89E-07	1.63E-07	6.52E-07
2892	609548.88	4170536.29	4.12E-06	1.69E-06	5.81E-06	6.84E-07	2.96E-07	9.80E-07	5.05E-07	1.69E-07	6.74E-07
2893	609539.25	4170536.22	4.26E-06	1.75E-06	6.01E-06	7.08E-07	3.06E-07	1.01E-06	5.22E-07	1.75E-07	6.97E-07
2894	609529.61	4170536.14	4.40E-06	1.81E-06	6.21E-06	7.31E-07	3.16E-07	1.05E-06	5.39E-07	1.80E-07	7.20E-07

2895	609481.46	4170535.77	4.98E-06	2.05E-06	7.03E-06	8.27E-07	3.57E-07	1.18E-06	6.11E-07	2.04E-07	8.15E-07
2896	609471.83	4170535.69	5.06E-06	2.08E-06	7.15E-06	8.41E-07	3.63E-07	1.20E-06	6.21E-07	2.08E-07	8.29E-07
2897	609462.2	4170535.62	5.14E-06	2.11E-06	7.25E-06	8.53E-07	3.69E-07	1.22E-06	6.30E-07	2.11E-07	8.40E-07
2898	609452.57	4170535.55	5.20E-06	2.14E-06	7.33E-06	8.63E-07	3.73E-07	1.24E-06	6.37E-07	2.13E-07	8.50E-07
2899	609442.94	4170535.47	5.24E-06	2.16E-06	7.40E-06	8.71E-07	3.76E-07	1.25E-06	6.43E-07	2.15E-07	8.58E-07
2900	609433.31	4170535.4	5.27E-06	2.17E-06	7.44E-06	8.76E-07	3.78E-07	1.25E-06	6.47E-07	2.16E-07	8.63E-07
2901	609423.68	4170535.32	5.28E-06	2.17E-06	7.45E-06	8.77E-07	3.79E-07	1.26E-06	6.48E-07	2.16E-07	8.64E-07
2902	609587.48	4170526.59	3.08E-06	1.26E-06	4.34E-06	5.11E-07	2.21E-07	7.31E-07	3.77E-07	1.26E-07	5.03E-07
2903	609577.84	4170526.51	3.15E-06	1.29E-06	4.44E-06	5.23E-07	2.26E-07	7.49E-07	3.86E-07	1.29E-07	5.15E-07
2904	609568.21	4170526.44	3.23E-06	1.33E-06	4.56E-06	5.37E-07	2.32E-07	7.69E-07	3.97E-07	1.33E-07	5.29E-07
2905	609558.58	4170526.36	3.33E-06	1.37E-06	4.70E-06	5.53E-07	2.39E-07	7.92E-07	4.08E-07	1.37E-07	5.45E-07
2906	609548.95	4170526.29	3.44E-06	1.41E-06	4.85E-06	5.71E-07	2.47E-07	8.18E-07	4.22E-07	1.41E-07	5.63E-07
2907	609500.8	4170525.92	4.03E-06	1.66E-06	5.68E-06	6.69E-07	2.89E-07	9.58E-07	4.94E-07	1.65E-07	6.59E-07
2908	609491.17	4170525.84	4.14E-06	1.70E-06	5.84E-06	6.87E-07	2.97E-07	9.84E-07	5.07E-07	1.70E-07	6.77E-07
2909	609481.54	4170525.77	4.24E-06	1.74E-06	5.98E-06	7.04E-07	3.04E-07	1.01E-06	5.20E-07	1.74E-07	6.93E-07
2910	609471.91	4170525.69	4.33E-06	1.78E-06	6.11E-06	7.20E-07	3.11E-07	1.03E-06	5.31E-07	1.78E-07	7.09E-07
2911	609462.28	4170525.62	4.42E-06	1.82E-06	6.23E-06	7.34E-07	3.17E-07	1.05E-06	5.42E-07	1.81E-07	7.23E-07
2912	609452.65	4170525.55	4.49E-06	1.85E-06	6.34E-06	7.46E-07	3.22E-07	1.07E-06	5.51E-07	1.84E-07	7.35E-07
2913	609443.02	4170525.47	4.56E-06	1.87E-06	6.43E-06	7.57E-07	3.27E-07	1.08E-06	5.59E-07	1.87E-07	7.45E-07
2914	609433.39	4170525.4	4.60E-06	1.89E-06	6.50E-06	7.65E-07	3.30E-07	1.10E-06	5.64E-07	1.89E-07	7.53E-07
2915	609423.76	4170525.32	4.63E-06	1.90E-06	6.54E-06	7.69E-07	3.32E-07	1.10E-06	5.68E-07	1.90E-07	7.58E-07
2916	609587.55	4170516.59	2.62E-06	1.08E-06	3.69E-06	4.34E-07	1.88E-07	6.22E-07	3.21E-07	1.07E-07	4.28E-07
2917	609577.92	4170516.51	2.67E-06	1.10E-06	3.77E-06	4.44E-07	1.92E-07	6.36E-07	3.28E-07	1.10E-07	4.37E-07
2918	609568.29	4170516.44	2.74E-06	1.13E-06	3.87E-06	4.55E-07	1.97E-07	6.52E-07	3.36E-07	1.12E-07	4.49E-07
2919	609558.66	4170516.37	2.82E-06	1.16E-06	3.98E-06	4.69E-07	2.02E-07	6.71E-07	3.46E-07	1.16E-07	4.61E-07
2920	609510.51	4170515.99	3.33E-06	1.37E-06	4.69E-06	5.53E-07	2.39E-07	7.91E-07	4.08E-07	1.36E-07	5.44E-07
2921	609500.88	4170515.92	3.44E-06	1.41E-06	4.85E-06	5.71E-07	2.47E-07	8.17E-07	4.21E-07	1.41E-07	5.62E-07
2922	609491.25	4170515.84	3.54E-06	1.46E-06	5.00E-06	5.88E-07	2.54E-07	8.43E-07	4.34E-07	1.45E-07	5.80E-07
2923	609481.62	4170515.77	3.65E-06	1.50E-06	5.14E-06	6.06E-07	2.62E-07	8.67E-07	4.47E-07	1.49E-07	5.96E-07
2924	609471.99	4170515.7	3.74E-06	1.54E-06	5.28E-06	6.22E-07	2.69E-07	8.91E-07	4.59E-07	1.53E-07	6.12E-07
2925	609462.36	4170515.62	3.83E-06	1.58E-06	5.41E-06	6.37E-07	2.75E-07	9.12E-07	4.70E-07	1.57E-07	6.27E-07
2926	609452.72	4170515.55	3.92E-06	1.61E-06	5.53E-06	6.51E-07	2.81E-07	9.32E-07	4.80E-07	1.61E-07	6.41E-07
2927	609443.09	4170515.47	3.99E-06	1.64E-06	5.63E-06	6.62E-07	2.86E-07	9.49E-07	4.89E-07	1.63E-07	6.52E-07
2928	609433.46	4170515.4	4.05E-06	1.66E-06	5.71E-06	6.72E-07	2.90E-07	9.62E-07	4.96E-07	1.66E-07	6.62E-07
2929	609423.83	4170515.32	4.09E-06	1.68E-06	5.77E-06	6.79E-07	2.93E-07	9.72E-07	5.01E-07	1.68E-07	6.69E-07
2930	609587.63	4170506.59	2.25E-06	9.24E-07	3.17E-06	3.73E-07	1.61E-07	5.35E-07	2.76E-07	9.21E-08	3.68E-07
2931	609578	4170506.51	2.29E-06	9.43E-07	3.24E-06	3.81E-07	1.65E-07	5.46E-07	2.81E-07	9.41E-08	3.75E-07
2932	609568.37	4170506.44	2.35E-06	9.66E-07	3.32E-06	3.91E-07	1.69E-07	5.59E-07	2.88E-07	9.64E-08	3.85E-07
2933	609520.22	4170506.07	2.76E-06	1.14E-06	3.90E-06	4.59E-07	1.98E-07	6.57E-07	3.39E-07	1.13E-07	4.52E-07
2934	609510.59	4170505.99	2.86E-06	1.18E-06	4.04E-06	4.75E-07	2.05E-07	6.81E-07	3.51E-07	1.17E-07	4.68E-07
2935	609500.95	4170505.92	2.96E-06	1.22E-06	4.18E-06	4.92E-07	2.13E-07	7.05E-07	3.63E-07	1.21E-07	4.85E-07
2936	609491.32	4170505.84	3.07E-06	1.26E-06	4.32E-06	5.09E-07	2.20E-07	7.29E-07	3.76E-07	1.26E-07	5.01E-07
2937	609481.69	4170505.77	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.53E-07	3.88E-07	1.30E-07	5.18E-07
2938	609472.06	4170505.7	3.26E-06	1.34E-06	4.60E-06	5.42E-07	2.34E-07	7.76E-07	4.00E-07	1.34E-07	5.34E-07
2939	609462.43	4170505.62	3.35E-06	1.38E-06	4.73E-06	5.57E-07	2.41E-07	7.98E-07	4.11E-07	1.37E-07	5.49E-07
2940	609452.8	4170505.55	3.44E-06	1.41E-06	4.85E-06	5.71E-07	2.47E-07	8.18E-07	4.21E-07	1.41E-07	5.62E-07
2941	609443.17	4170505.47	3.51E-06	1.44E-06	4.96E-06	5.83E-07	2.52E-07	8.35E-07	4.31E-07	1.44E-07	5.75E-07
2942	609433.54	4170505.4	3.58E-06	1.47E-06	5.05E-06	5.94E-07	2.57E-07	8.51E-07	4.38E-07	1.47E-07	5.85E-07
2943	609423.91	4170505.32	3.63E-06	1.49E-06	5.12E-06	6.02E-07	2.60E-07	8.63E-07	4.45E-07	1.49E-07	5.93E-07
2944	609587.71	4170496.59	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	7.99E-08	3.19E-07
2945	609539.55	4170496.22	2.23E-06	9.17E-07	3.15E-06	3.71E-07	1.60E-07	5.31E-07	2.74E-07	9.14E-08	3.65E-07
2946	609529.92	4170496.14	2.31E-06	9.50E-07	3.26E-06	3.84E-07	1.66E-07	5.50E-07	2.83E-07	9.47E-08	3.78E-07
2947	609520.29	4170496.07	2.40E-06	9.85E-07	3.38E-06	3.98E-07	1.72E-07	5.70E-07	2.94E-07	9.83E-08	3.92E-07
2948	609510.66	4170495.99	2.49E-06	1.02E-06	3.51E-06	4.13E-07	1.79E-07	5.92E-07	3.05E-07	1.02E-07	4.07E-07
2949	609501.03	4170495.92	2.58E-06	1.06E-06	3.64E-06	4.29E-07	1.85E-07	6.14E-07	3.17E-07	1.06E-07	4.22E-07
2950	609491.4	4170495.84	2.68E-06	1.10E-06	3.78E-06	4.45E-07	1.92E-07	6.37E-07	3.28E-07	1.10E-07	4.38E-07
2951	609481.77	4170495.77	2.77E-06	1.14E-06	3.91E-06	4.60E-07	1.99E-07	6.59E-07	3.40E-07	1.14E-07	4.53E-07
2952	609472.14	4170495.7	2.86E-06	1.18E-06	4.04E-06	4.76E-07	2.06E-07	6.81E-07	3.51E-07	1.17E-07	4.69E-07
2953	609462.51	4170495.62	2.95E-06	1.21E-06	4.17E-06	4.90E-07	2.12E-07	7.02E-07	3.62E-07	1.21E-07	4.83E-07
2954	609452.88	4170495.55	3.04E-06	1.25E-06	4.28E-06	5.04E-07	2.18E-07	7.22E-07	3.72E-07	1.24E-07	4.97E-07
2955	609443.25	4170495.47	3.11E-06	1.28E-06	4.39E-06	5.17E-07	2.23E-07	7.40E-07	3.81E-07	1.28E-07	5.09E-07
2956	609433.62	4170495.4	3.18E-06	1.31E-06	4.48E-06	5.28E-07	2.28E-07	7.56E-07	3.90E-07	1.30E-07	5.20E-07
2957	609423.99	4170495.32	3.23E-06	1.33E-06	4.56E-06	5.37E-07	2.32E-07	7.69E-07	3.96E-07	1.32E-07	5.29E-07

2958	609549.26	4170486.29	1.89E-06	7.76E-07	2.66E-06	3.14E-07	1.36E-07	4.49E-07	2.32E-07	7.74E-08	3.09E-07
2959	609539.63	4170486.22	1.95E-06	8.03E-07	2.76E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	8.00E-08	3.19E-07
2960	609530	4170486.14	2.02E-06	8.32E-07	2.86E-06	3.36E-07	1.45E-07	4.81E-07	2.48E-07	8.29E-08	3.31E-07
2961	609520.37	4170486.07	2.10E-06	8.63E-07	2.96E-06	3.49E-07	1.51E-07	5.00E-07	2.58E-07	8.61E-08	3.44E-07
2962	609510.74	4170485.99	2.18E-06	8.97E-07	3.08E-06	3.63E-07	1.57E-07	5.19E-07	2.68E-07	8.95E-08	3.57E-07
2963	609501.11	4170485.92	2.27E-06	9.32E-07	3.20E-06	3.77E-07	1.63E-07	5.40E-07	2.78E-07	9.30E-08	3.71E-07
2964	609491.48	4170485.84	2.36E-06	9.68E-07	3.32E-06	3.91E-07	1.69E-07	5.60E-07	2.89E-07	9.66E-08	3.85E-07
2965	609481.85	4170485.77	2.44E-06	1.00E-06	3.45E-06	4.06E-07	1.75E-07	5.81E-07	3.00E-07	1.00E-07	4.00E-07
2966	609472.22	4170485.7	2.53E-06	1.04E-06	3.57E-06	4.21E-07	1.82E-07	6.02E-07	3.10E-07	1.04E-07	4.14E-07
2967	609462.59	4170485.62	2.62E-06	1.08E-06	3.69E-06	4.35E-07	1.88E-07	6.22E-07	3.21E-07	1.07E-07	4.28E-07
2968	609452.96	4170485.55	2.70E-06	1.11E-06	3.80E-06	4.48E-07	1.93E-07	6.41E-07	3.31E-07	1.11E-07	4.41E-07
2969	609443.33	4170485.47	2.77E-06	1.14E-06	3.91E-06	4.60E-07	1.99E-07	6.59E-07	3.40E-07	1.14E-07	4.53E-07
2970	609433.7	4170485.4	2.84E-06	1.17E-06	4.00E-06	4.71E-07	2.04E-07	6.75E-07	3.48E-07	1.16E-07	4.64E-07
2971	609424.06	4170485.32	2.89E-06	1.19E-06	4.08E-06	4.81E-07	2.08E-07	6.88E-07	3.55E-07	1.19E-07	4.73E-07
2972	609558.97	4170476.37	1.62E-06	6.65E-07	2.28E-06	2.69E-07	1.16E-07	3.85E-07	1.98E-07	6.63E-08	2.65E-07
2973	609549.34	4170476.29	1.67E-06	6.86E-07	2.35E-06	2.77E-07	1.20E-07	3.97E-07	2.05E-07	6.84E-08	2.73E-07
2974	609539.71	4170476.22	1.73E-06	7.09E-07	2.43E-06	2.87E-07	1.24E-07	4.10E-07	2.12E-07	7.07E-08	2.82E-07
2975	609530.08	4170476.14	1.79E-06	7.35E-07	2.52E-06	2.97E-07	1.28E-07	4.25E-07	2.19E-07	7.33E-08	2.93E-07
2976	609520.45	4170476.07	1.86E-06	7.64E-07	2.62E-06	3.09E-07	1.33E-07	4.42E-07	2.28E-07	7.61E-08	3.04E-07
2977	609510.82	4170475.99	1.93E-06	7.94E-07	2.73E-06	3.21E-07	1.39E-07	4.59E-07	2.37E-07	7.92E-08	3.16E-07
2978	609501.19	4170475.92	2.01E-06	8.26E-07	2.84E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.24E-08	3.29E-07
2979	609491.56	4170475.85	2.09E-06	8.59E-07	2.95E-06	3.47E-07	1.50E-07	4.97E-07	2.56E-07	8.57E-08	3.42E-07
2980	609481.93	4170475.77	2.17E-06	8.92E-07	3.06E-06	3.61E-07	1.56E-07	5.16E-07	2.66E-07	8.90E-08	3.55E-07
2981	609472.29	4170475.7	2.25E-06	9.26E-07	3.18E-06	3.74E-07	1.62E-07	5.36E-07	2.76E-07	9.23E-08	3.68E-07
2982	609462.66	4170475.62	2.33E-06	9.58E-07	3.29E-06	3.87E-07	1.67E-07	5.55E-07	2.86E-07	9.56E-08	3.81E-07
2983	609453.03	4170475.55	2.41E-06	9.89E-07	3.40E-06	4.00E-07	1.73E-07	5.73E-07	2.95E-07	9.87E-08	3.94E-07
2984	609443.4	4170475.47	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.90E-07	3.04E-07	1.02E-07	4.05E-07
2985	609433.77	4170475.4	2.54E-06	1.05E-06	3.59E-06	4.22E-07	1.82E-07	6.05E-07	3.12E-07	1.04E-07	4.16E-07
2986	609424.14	4170475.32	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.87E-07	6.19E-07	3.19E-07	1.07E-07	4.25E-07
2987	609578.31	4170466.52	1.37E-06	5.62E-07	1.93E-06	2.27E-07	9.81E-08	3.25E-07	1.68E-07	5.60E-08	2.24E-07
2988	609568.68	4170466.44	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.33E-07	1.72E-07	5.74E-08	2.29E-07
2989	609559.05	4170466.37	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.43E-07	1.77E-07	5.90E-08	2.36E-07
2990	609549.42	4170466.29	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.53E-07	1.82E-07	6.09E-08	2.43E-07
2991	609539.79	4170466.22	1.54E-06	6.32E-07	2.17E-06	2.55E-07	1.10E-07	3.66E-07	1.88E-07	6.30E-08	2.51E-07
2992	609530.16	4170466.14	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.53E-08	2.61E-07
2993	609520.53	4170466.07	1.66E-06	6.80E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
2994	609510.89	4170465.99	1.72E-06	7.08E-07	2.43E-06	2.86E-07	1.24E-07	4.10E-07	2.11E-07	7.06E-08	2.82E-07
2995	609501.26	4170465.92	1.79E-06	7.37E-07	2.53E-06	2.98E-07	1.29E-07	4.26E-07	2.20E-07	7.35E-08	2.93E-07
2996	609491.63	4170465.85	1.87E-06	7.67E-07	2.63E-06	3.10E-07	1.34E-07	4.44E-07	2.29E-07	7.65E-08	3.05E-07
2997	609482	4170465.77	1.94E-06	7.97E-07	2.74E-06	3.22E-07	1.39E-07	4.62E-07	2.38E-07	7.95E-08	3.17E-07
2998	609472.37	4170465.7	2.02E-06	8.28E-07	2.84E-06	3.35E-07	1.45E-07	4.79E-07	2.47E-07	8.26E-08	3.30E-07
2999	609462.74	4170465.62	2.09E-06	8.58E-07	2.95E-06	3.47E-07	1.50E-07	4.97E-07	2.56E-07	8.56E-08	3.42E-07
3000	609453.11	4170465.55	2.16E-06	8.88E-07	3.05E-06	3.59E-07	1.55E-07	5.14E-07	2.65E-07	8.85E-08	3.53E-07
3001	609443.48	4170465.47	2.23E-06	9.15E-07	3.14E-06	3.70E-07	1.60E-07	5.30E-07	2.73E-07	9.13E-08	3.64E-07
3002	609433.85	4170465.4	2.29E-06	9.41E-07	3.23E-06	3.80E-07	1.64E-07	5.45E-07	2.81E-07	9.39E-08	3.75E-07
3003	609424.22	4170465.32	2.35E-06	9.64E-07	3.31E-06	3.90E-07	1.68E-07	5.58E-07	2.88E-07	9.62E-08	3.84E-07
3004	609588.02	4170456.59	1.20E-06	4.93E-07	1.69E-06	1.99E-07	8.60E-08	2.85E-07	1.47E-07	4.91E-08	1.96E-07
3005	609578.39	4170456.52	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.79E-08	2.91E-07	1.50E-07	5.02E-08	2.00E-07
3006	609568.76	4170456.44	1.26E-06	5.16E-07	1.77E-06	2.09E-07	9.02E-08	2.99E-07	1.54E-07	5.15E-08	2.06E-07
3007	609559.12	4170456.37	1.29E-06	5.31E-07	1.82E-06	2.15E-07	9.27E-08	3.07E-07	1.58E-07	5.30E-08	2.11E-07
3008	609549.49	4170456.29	1.33E-06	5.48E-07	1.88E-06	2.21E-07	9.57E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
3009	609539.86	4170456.22	1.38E-06	5.67E-07	1.95E-06	2.29E-07	9.90E-08	3.28E-07	1.69E-07	5.65E-08	2.26E-07
3010	609530.23	4170456.14	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
3011	609520.6	4170456.07	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.53E-07	1.82E-07	6.09E-08	2.43E-07
3012	609510.97	4170455.99	1.55E-06	6.35E-07	2.18E-06	2.57E-07	1.11E-07	3.68E-07	1.90E-07	6.34E-08	2.53E-07
3013	609501.34	4170455.92	1.61E-06	6.62E-07	2.27E-06	2.67E-07	1.16E-07	3.83E-07	1.97E-07	6.60E-08	2.63E-07
3014	609491.71	4170455.85	1.68E-06	6.89E-07	2.36E-06	2.78E-07	1.20E-07	3.99E-07	2.05E-07	6.87E-08	2.74E-07
3015	609482.08	4170455.77	1.74E-06	7.17E-07	2.46E-06	2.90E-07	1.25E-07	4.15E-07	2.14E-07	7.15E-08	2.85E-07
3016	609472.45	4170455.7	1.81E-06	7.45E-07	2.56E-06	3.01E-07	1.30E-07	4.31E-07	2.22E-07	7.43E-08	2.97E-07
3017	609462.82	4170455.62	1.88E-06	7.73E-07	2.65E-06	3.12E-07	1.35E-07	4.47E-07	2.31E-07	7.71E-08	3.08E-07
3018	609453.19	4170455.55	1.95E-06	8.00E-07	2.75E-06	3.23E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.18E-07
3019	609443.56	4170455.47	2.01E-06	8.26E-07	2.84E-06	3.34E-07	1.44E-07	4.78E-07	2.46E-07	8.24E-08	3.29E-07
3020	609433.93	4170455.4	2.07E-06	8.51E-07	2.92E-06	3.44E-07	1.48E-07	4.92E-07	2.54E-07	8.48E-08	3.39E-07

3021	609424.3	4170455.32	2.12E-06	8.73E-07	3.00E-06	3.53E-07	1.52E-07	5.05E-07	2.60E-07	8.70E-08	3.47E-07
3022	609588.09	4170446.59	1.08E-06	4.44E-07	1.53E-06	1.80E-07	7.76E-08	2.57E-07	1.33E-07	4.43E-08	1.77E-07
3023	609578.46	4170446.52	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.94E-08	2.63E-07	1.36E-07	4.53E-08	1.81E-07
3024	609568.83	4170446.44	1.13E-06	4.66E-07	1.60E-06	1.88E-07	8.14E-08	2.70E-07	1.39E-07	4.65E-08	1.86E-07
3025	609559.2	4170446.37	1.17E-06	4.80E-07	1.65E-06	1.94E-07	8.38E-08	2.78E-07	1.43E-07	4.78E-08	1.91E-07
3026	609549.57	4170446.29	1.20E-06	4.95E-07	1.70E-06	2.00E-07	8.64E-08	2.86E-07	1.48E-07	4.94E-08	1.97E-07
3027	609539.94	4170446.22	1.25E-06	5.12E-07	1.76E-06	2.07E-07	8.94E-08	2.96E-07	1.53E-07	5.11E-08	2.04E-07
3028	609530.31	4170446.14	1.29E-06	5.31E-07	1.82E-06	2.15E-07	9.27E-08	3.07E-07	1.58E-07	5.30E-08	2.11E-07
3029	609520.68	4170446.07	1.34E-06	5.52E-07	1.89E-06	2.23E-07	9.63E-08	3.19E-07	1.65E-07	5.50E-08	2.20E-07
3030	609511.05	4170446	1.40E-06	5.74E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
3031	609501.42	4170445.92	1.45E-06	5.98E-07	2.05E-06	2.42E-07	1.04E-07	3.46E-07	1.78E-07	5.96E-08	2.38E-07
3032	609491.79	4170445.85	1.51E-06	6.22E-07	2.14E-06	2.51E-07	1.09E-07	3.60E-07	1.86E-07	6.21E-08	2.48E-07
3033	609482.16	4170445.77	1.58E-06	6.48E-07	2.22E-06	2.62E-07	1.13E-07	3.75E-07	1.93E-07	6.46E-08	2.58E-07
3034	609472.53	4170445.7	1.64E-06	6.73E-07	2.31E-06	2.72E-07	1.18E-07	3.90E-07	2.01E-07	6.72E-08	2.68E-07
3035	609462.9	4170445.62	1.70E-06	6.99E-07	2.40E-06	2.82E-07	1.22E-07	4.05E-07	2.08E-07	6.97E-08	2.78E-07
3036	609453.27	4170445.55	1.76E-06	7.24E-07	2.49E-06	2.93E-07	1.26E-07	4.19E-07	2.16E-07	7.22E-08	2.88E-07
3037	609443.64	4170445.47	1.82E-06	7.48E-07	2.57E-06	3.02E-07	1.31E-07	4.33E-07	2.23E-07	7.46E-08	2.98E-07
3038	609434	4170445.4	1.88E-06	7.72E-07	2.65E-06	3.12E-07	1.35E-07	4.47E-07	2.30E-07	7.70E-08	3.07E-07
3039	609424.37	4170445.33	1.93E-06	7.93E-07	2.72E-06	3.20E-07	1.38E-07	4.59E-07	2.37E-07	7.91E-08	3.16E-07
3040	609588.17	4170436.59	9.81E-07	4.03E-07	1.38E-06	1.63E-07	7.04E-08	2.33E-07	1.20E-07	4.02E-08	1.61E-07
3041	609578.54	4170436.52	1.00E-06	4.13E-07	1.42E-06	1.67E-07	7.21E-08	2.39E-07	1.23E-07	4.12E-08	1.64E-07
3042	609568.91	4170436.44	1.03E-06	4.24E-07	1.45E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.22E-08	1.69E-07
3043	609559.28	4170436.37	1.06E-06	4.36E-07	1.50E-06	1.76E-07	7.61E-08	2.52E-07	1.30E-07	4.35E-08	1.74E-07
3044	609549.65	4170436.29	1.09E-06	4.50E-07	1.54E-06	1.82E-07	7.85E-08	2.60E-07	1.34E-07	4.49E-08	1.79E-07
3045	609540.02	4170436.22	1.13E-06	4.65E-07	1.60E-06	1.88E-07	8.13E-08	2.69E-07	1.39E-07	4.64E-08	1.85E-07
3046	609530.39	4170436.14	1.17E-06	4.82E-07	1.66E-06	1.95E-07	8.42E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
3047	609520.76	4170436.07	1.22E-06	5.01E-07	1.72E-06	2.03E-07	8.75E-08	2.90E-07	1.50E-07	5.00E-08	1.99E-07
3048	609511.13	4170436	1.27E-06	5.21E-07	1.79E-06	2.11E-07	9.10E-08	3.02E-07	1.56E-07	5.20E-08	2.07E-07
3049	609501.5	4170435.92	1.32E-06	5.43E-07	1.86E-06	2.19E-07	9.47E-08	3.14E-07	1.62E-07	5.41E-08	2.16E-07
3050	609491.87	4170435.85	1.37E-06	5.65E-07	1.94E-06	2.28E-07	9.86E-08	3.27E-07	1.69E-07	5.63E-08	2.25E-07
3051	609482.23	4170435.77	1.43E-06	5.88E-07	2.02E-06	2.38E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
3052	609472.6	4170435.7	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.82E-07	6.10E-08	2.43E-07
3053	609462.97	4170435.62	1.54E-06	6.35E-07	2.18E-06	2.57E-07	1.11E-07	3.67E-07	1.89E-07	6.33E-08	2.53E-07
3054	609453.34	4170435.55	1.60E-06	6.58E-07	2.26E-06	2.66E-07	1.15E-07	3.81E-07	1.96E-07	6.56E-08	2.62E-07
3055	609443.71	4170435.47	1.66E-06	6.81E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
3056	609434.08	4170435.4	1.71E-06	7.02E-07	2.41E-06	2.84E-07	1.23E-07	4.07E-07	2.10E-07	7.01E-08	2.80E-07
3057	609424.45	4170435.33	1.76E-06	7.23E-07	2.48E-06	2.92E-07	1.26E-07	4.18E-07	2.16E-07	7.21E-08	2.88E-07
3058	609588.4	4170406.59	7.58E-07	3.11E-07	1.07E-06	1.26E-07	5.44E-08	1.80E-07	9.29E-08	3.11E-08	1.24E-07
3059	609578.77	4170406.52	7.76E-07	3.19E-07	1.10E-06	1.29E-07	5.57E-08	1.85E-07	9.52E-08	3.18E-08	1.27E-07
3060	609569.14	4170406.44	7.98E-07	3.28E-07	1.13E-06	1.32E-07	5.72E-08	1.90E-07	9.78E-08	3.27E-08	1.30E-07
3061	609559.51	4170406.37	8.21E-07	3.38E-07	1.16E-06	1.36E-07	5.89E-08	1.95E-07	1.01E-07	3.37E-08	1.34E-07
3062	609549.88	4170406.29	8.47E-07	3.48E-07	1.20E-06	1.41E-07	6.08E-08	2.02E-07	1.04E-07	3.47E-08	1.39E-07
3063	609540.25	4170406.22	8.76E-07	3.60E-07	1.24E-06	1.46E-07	6.29E-08	2.08E-07	1.07E-07	3.59E-08	1.43E-07
3064	609530.62	4170406.15	9.07E-07	3.73E-07	1.28E-06	1.51E-07	6.51E-08	2.16E-07	1.11E-07	3.72E-08	1.48E-07
3065	609520.99	4170406.07	9.41E-07	3.87E-07	1.33E-06	1.56E-07	6.75E-08	2.24E-07	1.15E-07	3.86E-08	1.54E-07
3066	609511.36	4170406	9.78E-07	4.02E-07	1.38E-06	1.62E-07	7.02E-08	2.33E-07	1.20E-07	4.01E-08	1.60E-07
3067	609501.73	4170405.92	1.02E-06	4.18E-07	1.43E-06	1.69E-07	7.29E-08	2.42E-07	1.25E-07	4.16E-08	1.66E-07
3068	609492.1	4170405.85	1.06E-06	4.34E-07	1.49E-06	1.75E-07	7.58E-08	2.51E-07	1.30E-07	4.33E-08	1.73E-07
3069	609482.47	4170405.77	1.10E-06	4.51E-07	1.55E-06	1.82E-07	7.88E-08	2.61E-07	1.35E-07	4.50E-08	1.80E-07
3070	609472.84	4170405.7	1.14E-06	4.69E-07	1.61E-06	1.90E-07	8.19E-08	2.72E-07	1.40E-07	4.68E-08	1.87E-07
3071	609463.21	4170405.62	1.19E-06	4.87E-07	1.67E-06	1.97E-07	8.51E-08	2.82E-07	1.45E-07	4.86E-08	1.94E-07
3072	609453.57	4170405.55	1.23E-06	5.05E-07	1.73E-06	2.04E-07	8.82E-08	2.92E-07	1.51E-07	5.04E-08	2.01E-07
3073	609443.94	4170405.48	1.27E-06	5.23E-07	1.80E-06	2.11E-07	9.13E-08	3.03E-07	1.56E-07	5.22E-08	2.08E-07
3074	609434.31	4170405.4	1.32E-06	5.40E-07	1.86E-06	2.18E-07	9.44E-08	3.13E-07	1.61E-07	5.39E-08	2.15E-07
3075	609424.68	4170405.33	1.36E-06	5.57E-07	1.91E-06	2.25E-07	9.73E-08	3.23E-07	1.66E-07	5.56E-08	2.22E-07
3076	609588.48	4170396.59	7.01E-07	2.88E-07	9.90E-07	1.17E-07	5.03E-08	1.67E-07	8.60E-08	2.88E-08	1.15E-07
3077	609578.85	4170396.52	7.19E-07	2.96E-07	1.01E-06	1.19E-07	5.16E-08	1.71E-07	8.82E-08	2.95E-08	1.18E-07
3078	609569.22	4170396.44	7.39E-07	3.04E-07	1.04E-06	1.23E-07	5.30E-08	1.76E-07	9.06E-08	3.03E-08	1.21E-07
3079	609559.59	4170396.37	7.61E-07	3.13E-07	1.07E-06	1.26E-07	5.46E-08	1.81E-07	9.33E-08	3.12E-08	1.24E-07
3080	609549.96	4170396.29	7.85E-07	3.23E-07	1.11E-06	1.30E-07	5.63E-08	1.87E-07	9.62E-08	3.22E-08	1.28E-07
3081	609540.33	4170396.22	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.94E-08	3.32E-08	1.33E-07
3082	609530.7	4170396.15	8.40E-07	3.45E-07	1.18E-06	1.39E-07	6.03E-08	2.00E-07	1.03E-07	3.44E-08	1.37E-07
3083	609521.07	4170396.07	8.71E-07	3.58E-07	1.23E-06	1.45E-07	6.25E-08	2.07E-07	1.07E-07	3.57E-08	1.42E-07

3084	609511.44	4170396	9.04E-07	3.71E-07	1.28E-06	1.50E-07	6.48E-08	2.15E-07	1.11E-07	3.70E-08	1.48E-07
3085	609501.8	4170395.92	9.39E-07	3.86E-07	1.32E-06	1.56E-07	6.74E-08	2.23E-07	1.15E-07	3.85E-08	1.54E-07
3086	609492.17	4170395.85	9.75E-07	4.01E-07	1.38E-06	1.62E-07	7.00E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
3087	609482.54	4170395.77	1.01E-06	4.17E-07	1.43E-06	1.68E-07	7.27E-08	2.41E-07	1.24E-07	4.15E-08	1.66E-07
3088	609472.91	4170395.7	1.05E-06	4.33E-07	1.49E-06	1.75E-07	7.56E-08	2.50E-07	1.29E-07	4.32E-08	1.72E-07
3089	609463.28	4170395.62	1.09E-06	4.49E-07	1.54E-06	1.82E-07	7.84E-08	2.60E-07	1.34E-07	4.48E-08	1.79E-07
3090	609453.65	4170395.55	1.13E-06	4.66E-07	1.60E-06	1.88E-07	8.13E-08	2.70E-07	1.39E-07	4.65E-08	1.85E-07
3091	609444.02	4170395.48	1.17E-06	4.82E-07	1.66E-06	1.95E-07	8.42E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
3092	609434.39	4170395.4	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.70E-08	2.88E-07	1.49E-07	4.97E-08	1.98E-07
3093	609424.76	4170395.33	1.25E-06	5.14E-07	1.76E-06	2.08E-07	8.97E-08	2.97E-07	1.53E-07	5.13E-08	2.05E-07
3094	609588.56	4170386.59	6.52E-07	2.68E-07	9.20E-07	1.08E-07	4.68E-08	1.55E-07	7.99E-08	2.67E-08	1.07E-07
3095	609578.93	4170386.52	6.69E-07	2.75E-07	9.43E-07	1.11E-07	4.80E-08	1.59E-07	8.20E-08	2.74E-08	1.09E-07
3096	609569.3	4170386.44	6.87E-07	2.82E-07	9.69E-07	1.14E-07	4.93E-08	1.63E-07	8.42E-08	2.82E-08	1.12E-07
3097	609559.67	4170386.37	7.07E-07	2.91E-07	9.98E-07	1.17E-07	5.08E-08	1.68E-07	8.67E-08	2.90E-08	1.16E-07
3098	609550.04	4170386.29	7.29E-07	3.00E-07	1.03E-06	1.21E-07	5.23E-08	1.74E-07	8.94E-08	2.99E-08	1.19E-07
3099	609540.4	4170386.22	7.54E-07	3.10E-07	1.06E-06	1.25E-07	5.41E-08	1.79E-07	9.24E-08	3.09E-08	1.23E-07
3100	609530.77	4170386.15	7.80E-07	3.21E-07	1.10E-06	1.30E-07	5.60E-08	1.86E-07	9.56E-08	3.20E-08	1.28E-07
3101	609521.14	4170386.07	8.08E-07	3.32E-07	1.14E-06	1.34E-07	5.80E-08	1.92E-07	9.91E-08	3.31E-08	1.32E-07
3102	609511.51	4170386	8.38E-07	3.45E-07	1.18E-06	1.39E-07	6.02E-08	1.99E-07	1.03E-07	3.44E-08	1.37E-07
3103	609501.88	4170385.92	8.70E-07	3.58E-07	1.23E-06	1.45E-07	6.24E-08	2.07E-07	1.07E-07	3.57E-08	1.42E-07
3104	609492.25	4170385.85	9.04E-07	3.71E-07	1.28E-06	1.50E-07	6.48E-08	2.15E-07	1.11E-07	3.70E-08	1.48E-07
3105	609482.62	4170385.77	9.38E-07	3.86E-07	1.32E-06	1.56E-07	6.73E-08	2.23E-07	1.15E-07	3.85E-08	1.54E-07
3106	609472.99	4170385.7	9.74E-07	4.00E-07	1.37E-06	1.62E-07	6.99E-08	2.32E-07	1.19E-07	3.99E-08	1.59E-07
3107	609463.36	4170385.62	1.01E-06	4.15E-07	1.43E-06	1.68E-07	7.25E-08	2.40E-07	1.24E-07	4.14E-08	1.65E-07
3108	609453.73	4170385.55	1.05E-06	4.31E-07	1.48E-06	1.74E-07	7.52E-08	2.49E-07	1.28E-07	4.30E-08	1.71E-07
3109	609444.1	4170385.48	1.08E-06	4.46E-07	1.53E-06	1.80E-07	7.78E-08	2.58E-07	1.33E-07	4.45E-08	1.77E-07
3110	609434.47	4170385.4	1.12E-06	4.61E-07	1.58E-06	1.86E-07	8.04E-08	2.67E-07	1.37E-07	4.59E-08	1.83E-07
3111	609424.84	4170385.33	1.16E-06	4.75E-07	1.63E-06	1.92E-07	8.30E-08	2.75E-07	1.42E-07	4.74E-08	1.89E-07
3112	609588.63	4170376.59	6.08E-07	2.50E-07	8.58E-07	1.01E-07	4.36E-08	1.45E-07	7.46E-08	2.49E-08	9.95E-08
3113	609579	4170376.52	6.24E-07	2.56E-07	8.80E-07	1.04E-07	4.48E-08	1.48E-07	7.65E-08	2.56E-08	1.02E-07
3114	609569.37	4170376.44	6.41E-07	2.63E-07	9.04E-07	1.06E-07	4.60E-08	1.52E-07	7.86E-08	2.63E-08	1.05E-07
3115	609559.74	4170376.37	6.60E-07	2.71E-07	9.31E-07	1.10E-07	4.74E-08	1.57E-07	8.09E-08	2.70E-08	1.08E-07
3116	609550.11	4170376.29	6.80E-07	2.80E-07	9.60E-07	1.13E-07	4.88E-08	1.62E-07	8.34E-08	2.79E-08	1.11E-07
3117	609540.48	4170376.22	7.03E-07	2.89E-07	9.92E-07	1.17E-07	5.04E-08	1.67E-07	8.62E-08	2.88E-08	1.15E-07
3118	609530.85	4170376.15	7.27E-07	2.99E-07	1.03E-06	1.21E-07	5.22E-08	1.73E-07	8.91E-08	2.98E-08	1.19E-07
3119	609521.22	4170376.07	7.53E-07	3.09E-07	1.06E-06	1.25E-07	5.40E-08	1.79E-07	9.23E-08	3.09E-08	1.23E-07
3120	609511.59	4170376	7.80E-07	3.21E-07	1.10E-06	1.30E-07	5.60E-08	1.86E-07	9.57E-08	3.20E-08	1.28E-07
3121	609501.96	4170375.92	8.09E-07	3.33E-07	1.14E-06	1.34E-07	5.81E-08	1.92E-07	9.92E-08	3.32E-08	1.32E-07
3122	609492.33	4170375.85	8.40E-07	3.45E-07	1.18E-06	1.39E-07	6.03E-08	2.00E-07	1.03E-07	3.44E-08	1.37E-07
3123	609482.7	4170375.77	8.72E-07	3.58E-07	1.23E-06	1.45E-07	6.25E-08	2.07E-07	1.07E-07	3.57E-08	1.43E-07
3124	609473.07	4170375.7	9.04E-07	3.72E-07	1.28E-06	1.50E-07	6.49E-08	2.15E-07	1.11E-07	3.71E-08	1.48E-07
3125	609463.44	4170375.62	9.38E-07	3.85E-07	1.32E-06	1.56E-07	6.73E-08	2.23E-07	1.15E-07	3.84E-08	1.53E-07
3126	609453.81	4170375.55	9.72E-07	3.99E-07	1.37E-06	1.61E-07	6.97E-08	2.31E-07	1.19E-07	3.98E-08	1.59E-07
3127	609444.18	4170375.48	1.01E-06	4.13E-07	1.42E-06	1.67E-07	7.22E-08	2.39E-07	1.23E-07	4.12E-08	1.65E-07
3128	609434.55	4170375.4	1.04E-06	4.27E-07	1.47E-06	1.73E-07	7.46E-08	2.47E-07	1.27E-07	4.26E-08	1.70E-07
3129	609424.92	4170375.33	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.69E-08	2.55E-07	1.31E-07	4.39E-08	1.75E-07
3130	609588.71	4170366.59	5.69E-07	2.34E-07	8.03E-07	9.46E-08	4.09E-08	1.35E-07	6.98E-08	2.33E-08	9.31E-08
3131	609579.08	4170366.52	5.84E-07	2.40E-07	8.24E-07	9.70E-08	4.19E-08	1.39E-07	7.16E-08	2.39E-08	9.55E-08
3132	609569.45	4170366.44	6.00E-07	2.47E-07	8.46E-07	9.97E-08	4.30E-08	1.43E-07	7.36E-08	2.46E-08	9.81E-08
3133	609559.82	4170366.37	6.17E-07	2.54E-07	8.71E-07	1.03E-07	4.43E-08	1.47E-07	7.57E-08	2.53E-08	1.01E-07
3134	609550.19	4170366.3	6.37E-07	2.62E-07	8.98E-07	1.06E-07	4.57E-08	1.51E-07	7.80E-08	2.61E-08	1.04E-07
3135	609540.56	4170366.22	6.57E-07	2.70E-07	9.27E-07	1.09E-07	4.72E-08	1.56E-07	8.06E-08	2.69E-08	1.08E-07
3136	609530.93	4170366.15	6.79E-07	2.79E-07	9.59E-07	1.13E-07	4.87E-08	1.62E-07	8.33E-08	2.78E-08	1.11E-07
3137	609521.3	4170366.07	7.03E-07	2.89E-07	9.92E-07	1.17E-07	5.04E-08	1.67E-07	8.62E-08	2.88E-08	1.15E-07
3138	609511.67	4170366	7.28E-07	2.99E-07	1.03E-06	1.21E-07	5.23E-08	1.73E-07	8.93E-08	2.99E-08	1.19E-07
3139	609502.04	4170365.92	7.55E-07	3.10E-07	1.07E-06	1.25E-07	5.42E-08	1.80E-07	9.26E-08	3.09E-08	1.23E-07
3140	609492.41	4170365.85	7.83E-07	3.22E-07	1.10E-06	1.30E-07	5.62E-08	1.86E-07	9.60E-08	3.21E-08	1.28E-07
3141	609482.78	4170365.77	8.12E-07	3.34E-07	1.15E-06	1.35E-07	5.83E-08	1.93E-07	9.95E-08	3.33E-08	1.33E-07
3142	609473.15	4170365.7	8.42E-07	3.46E-07	1.19E-06	1.40E-07	6.04E-08	2.00E-07	1.03E-07	3.45E-08	1.38E-07
3143	609463.51	4170365.63	8.73E-07	3.59E-07	1.23E-06	1.45E-07	6.26E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
3144	609453.88	4170365.55	9.04E-07	3.71E-07	1.28E-06	1.50E-07	6.48E-08	2.15E-07	1.11E-07	3.70E-08	1.48E-07
3145	609444.25	4170365.48	9.35E-07	3.84E-07	1.32E-06	1.55E-07	6.71E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
3146	609434.62	4170365.4	9.66E-07	3.97E-07	1.36E-06	1.60E-07	6.93E-08	2.30E-07	1.18E-07	3.96E-08	1.58E-07

3147	609424.99	4170365.33	9.97E-07	4.10E-07	1.41E-06	1.66E-07	7.15E-08	2.37E-07	1.22E-07	4.08E-08	1.63E-07
3148	609588.79	4170356.59	5.34E-07	2.20E-07	7.54E-07	8.88E-08	3.83E-08	1.27E-07	6.55E-08	2.19E-08	8.74E-08
3149	609579.16	4170356.52	5.48E-07	2.25E-07	7.73E-07	9.10E-08	3.93E-08	1.30E-07	6.72E-08	2.25E-08	8.97E-08
3150	609569.53	4170356.44	5.63E-07	2.31E-07	7.95E-07	9.35E-08	4.04E-08	1.34E-07	6.90E-08	2.31E-08	9.21E-08
3151	609559.9	4170356.37	5.79E-07	2.38E-07	8.18E-07	9.63E-08	4.16E-08	1.38E-07	7.11E-08	2.38E-08	9.48E-08
3152	609550.27	4170356.3	5.97E-07	2.45E-07	8.43E-07	9.92E-08	4.29E-08	1.42E-07	7.32E-08	2.45E-08	9.77E-08
3153	609540.64	4170356.22	6.16E-07	2.53E-07	8.70E-07	1.02E-07	4.42E-08	1.47E-07	7.56E-08	2.53E-08	1.01E-07
3154	609531.01	4170356.15	6.37E-07	2.62E-07	8.98E-07	1.06E-07	4.57E-08	1.51E-07	7.81E-08	2.61E-08	1.04E-07
3155	609521.38	4170356.07	6.59E-07	2.71E-07	9.29E-07	1.09E-07	4.73E-08	1.57E-07	8.07E-08	2.70E-08	1.08E-07
3156	609511.74	4170356	6.82E-07	2.80E-07	9.62E-07	1.13E-07	4.89E-08	1.62E-07	8.36E-08	2.79E-08	1.12E-07
3157	609502.11	4170355.92	7.06E-07	2.90E-07	9.96E-07	1.17E-07	5.07E-08	1.68E-07	8.66E-08	2.89E-08	1.16E-07
3158	609492.48	4170355.85	7.32E-07	3.01E-07	1.03E-06	1.22E-07	5.25E-08	1.74E-07	8.97E-08	3.00E-08	1.20E-07
3159	609482.85	4170355.77	7.58E-07	3.12E-07	1.07E-06	1.26E-07	5.44E-08	1.80E-07	9.30E-08	3.11E-08	1.24E-07
3160	609473.22	4170355.7	7.86E-07	3.23E-07	1.11E-06	1.31E-07	5.64E-08	1.87E-07	9.64E-08	3.22E-08	1.29E-07
3161	609463.59	4170355.63	8.14E-07	3.35E-07	1.15E-06	1.35E-07	5.84E-08	1.94E-07	9.98E-08	3.34E-08	1.33E-07
3162	609453.96	4170355.55	8.43E-07	3.46E-07	1.19E-06	1.40E-07	6.05E-08	2.00E-07	1.03E-07	3.45E-08	1.38E-07
3163	609444.33	4170355.48	8.71E-07	3.58E-07	1.23E-06	1.45E-07	6.25E-08	2.07E-07	1.07E-07	3.57E-08	1.43E-07
3164	609434.7	4170355.4	9.00E-07	3.70E-07	1.27E-06	1.50E-07	6.46E-08	2.14E-07	1.10E-07	3.69E-08	1.47E-07
3165	609425.07	4170355.33	9.28E-07	3.82E-07	1.31E-06	1.54E-07	6.66E-08	2.21E-07	1.14E-07	3.81E-08	1.52E-07
3166	609588.87	4170346.59	5.03E-07	2.07E-07	7.10E-07	8.35E-08	3.61E-08	1.20E-07	6.17E-08	2.06E-08	8.23E-08
3167	609579.24	4170346.52	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.33E-08	2.11E-08	8.44E-08
3168	609569.61	4170346.44	5.30E-07	2.18E-07	7.48E-07	8.80E-08	3.80E-08	1.26E-07	6.50E-08	2.17E-08	8.67E-08
3169	609559.97	4170346.37	5.45E-07	2.24E-07	7.69E-07	9.06E-08	3.91E-08	1.30E-07	6.69E-08	2.24E-08	8.92E-08
3170	609550.34	4170346.3	5.62E-07	2.31E-07	7.93E-07	9.33E-08	4.03E-08	1.34E-07	6.89E-08	2.30E-08	9.19E-08
3171	609540.71	4170346.22	5.79E-07	2.38E-07	8.18E-07	9.63E-08	4.16E-08	1.38E-07	7.10E-08	2.38E-08	9.48E-08
3172	609531.08	4170346.15	5.98E-07	2.46E-07	8.44E-07	9.94E-08	4.29E-08	1.42E-07	7.34E-08	2.45E-08	9.79E-08
3173	609521.45	4170346.07	6.19E-07	2.54E-07	8.73E-07	1.03E-07	4.44E-08	1.47E-07	7.58E-08	2.54E-08	1.01E-07
3174	609511.82	4170346	6.40E-07	2.63E-07	9.03E-07	1.06E-07	4.59E-08	1.52E-07	7.85E-08	2.62E-08	1.05E-07
3175	609502.19	4170345.92	6.62E-07	2.72E-07	9.34E-07	1.10E-07	4.75E-08	1.58E-07	8.12E-08	2.71E-08	1.08E-07
3176	609492.56	4170345.85	6.86E-07	2.82E-07	9.68E-07	1.14E-07	4.92E-08	1.63E-07	8.41E-08	2.81E-08	1.12E-07
3177	609482.93	4170345.77	7.10E-07	2.92E-07	1.00E-06	1.18E-07	5.10E-08	1.69E-07	8.71E-08	2.91E-08	1.16E-07
3178	609473.3	4170345.7	7.35E-07	3.02E-07	1.04E-06	1.22E-07	5.28E-08	1.75E-07	9.02E-08	3.01E-08	1.20E-07
3179	609463.67	4170345.63	7.61E-07	3.13E-07	1.07E-06	1.26E-07	5.46E-08	1.81E-07	9.33E-08	3.12E-08	1.25E-07
3180	609454.04	4170345.55	7.88E-07	3.24E-07	1.11E-06	1.31E-07	5.65E-08	1.87E-07	9.66E-08	3.23E-08	1.29E-07
3181	609444.41	4170345.48	8.14E-07	3.35E-07	1.15E-06	1.35E-07	5.84E-08	1.94E-07	9.98E-08	3.34E-08	1.33E-07
3182	609434.78	4170345.4	8.41E-07	3.46E-07	1.19E-06	1.40E-07	6.03E-08	2.00E-07	1.03E-07	3.45E-08	1.38E-07
3183	609425.15	4170345.33	8.67E-07	3.56E-07	1.22E-06	1.44E-07	6.22E-08	2.06E-07	1.06E-07	3.55E-08	1.42E-07
3184	609588.94	4170336.59	4.75E-07	1.95E-07	6.70E-07	7.88E-08	3.41E-08	1.13E-07	5.82E-08	1.95E-08	7.76E-08
3185	609579.31	4170336.52	4.87E-07	2.00E-07	6.87E-07	8.09E-08	3.49E-08	1.16E-07	5.97E-08	2.00E-08	7.96E-08
3186	609569.68	4170336.45	5.00E-07	2.06E-07	7.06E-07	8.31E-08	3.59E-08	1.19E-07	6.13E-08	2.05E-08	8.18E-08
3187	609560.05	4170336.37	5.14E-07	2.11E-07	7.26E-07	8.54E-08	3.69E-08	1.22E-07	6.31E-08	2.11E-08	8.41E-08
3188	609550.42	4170336.3	5.30E-07	2.18E-07	7.47E-07	8.80E-08	3.80E-08	1.26E-07	6.49E-08	2.17E-08	8.67E-08
3189	609540.79	4170336.22	5.46E-07	2.24E-07	7.71E-07	9.07E-08	3.92E-08	1.30E-07	6.70E-08	2.24E-08	8.93E-08
3190	609531.16	4170336.15	5.64E-07	2.32E-07	7.95E-07	9.36E-08	4.04E-08	1.34E-07	6.91E-08	2.31E-08	9.22E-08
3191	609521.53	4170336.07	5.82E-07	2.39E-07	8.22E-07	9.67E-08	4.18E-08	1.39E-07	7.14E-08	2.39E-08	9.53E-08
3192	609511.9	4170336	6.02E-07	2.47E-07	8.49E-07	1.00E-07	4.32E-08	1.43E-07	7.38E-08	2.47E-08	9.85E-08
3193	609502.27	4170335.92	6.23E-07	2.56E-07	8.79E-07	1.03E-07	4.47E-08	1.48E-07	7.63E-08	2.55E-08	1.02E-07
3194	609492.64	4170335.85	6.44E-07	2.65E-07	9.09E-07	1.07E-07	4.62E-08	1.53E-07	7.90E-08	2.64E-08	1.05E-07
3195	609483.01	4170335.78	6.67E-07	2.74E-07	9.41E-07	1.11E-07	4.78E-08	1.59E-07	8.17E-08	2.73E-08	1.09E-07
3196	609473.38	4170335.7	6.90E-07	2.84E-07	9.74E-07	1.15E-07	4.95E-08	1.64E-07	8.46E-08	2.83E-08	1.13E-07
3197	609463.75	4170335.63	7.14E-07	2.93E-07	1.01E-06	1.19E-07	5.12E-08	1.70E-07	8.75E-08	2.93E-08	1.17E-07
3198	609454.12	4170335.55	7.38E-07	3.03E-07	1.04E-06	1.23E-07	5.30E-08	1.76E-07	9.05E-08	3.02E-08	1.21E-07
3199	609444.49	4170335.48	7.62E-07	3.13E-07	1.08E-06	1.27E-07	5.47E-08	1.81E-07	9.35E-08	3.13E-08	1.25E-07
3200	609434.85	4170335.4	7.87E-07	3.23E-07	1.11E-06	1.31E-07	5.65E-08	1.87E-07	9.65E-08	3.23E-08	1.29E-07
3201	609425.22	4170335.33	8.11E-07	3.33E-07	1.14E-06	1.35E-07	5.82E-08	1.93E-07	9.95E-08	3.33E-08	1.33E-07
3202	609589.02	4170326.59	4.49E-07	1.85E-07	6.33E-07	7.46E-08	3.22E-08	1.07E-07	5.50E-08	1.84E-08	7.34E-08
3203	609579.39	4170326.52	4.60E-07	1.89E-07	6.50E-07	7.65E-08	3.30E-08	1.10E-07	5.64E-08	1.89E-08	7.53E-08
3204	609569.76	4170326.45	4.73E-07	1.94E-07	6.67E-07	7.85E-08	3.39E-08	1.12E-07	5.80E-08	1.94E-08	7.74E-08
3205	609560.13	4170326.37	4.86E-07	2.00E-07	6.86E-07	8.08E-08	3.49E-08	1.16E-07	5.96E-08	1.99E-08	7.95E-08
3206	609550.5	4170326.3	5.01E-07	2.06E-07	7.06E-07	8.32E-08	3.59E-08	1.19E-07	6.14E-08	2.05E-08	8.19E-08
3207	609540.87	4170326.22	5.16E-07	2.12E-07	7.28E-07	8.57E-08	3.70E-08	1.23E-07	6.33E-08	2.11E-08	8.44E-08
3208	609531.24	4170326.15	5.32E-07	2.19E-07	7.51E-07	8.84E-08	3.82E-08	1.27E-07	6.52E-08	2.18E-08	8.71E-08
3209	609521.61	4170326.07	5.49E-07	2.26E-07	7.75E-07	9.13E-08	3.94E-08	1.31E-07	6.74E-08	2.25E-08	8.99E-08

3210	609511.98	4170326	5.68E-07	2.33E-07	8.01E-07	9.43E-08	4.07E-08	1.35E-07	6.96E-08	2.33E-08	9.29E-08
3211	609502.35	4170325.92	5.87E-07	2.41E-07	8.28E-07	9.75E-08	4.21E-08	1.40E-07	7.19E-08	2.41E-08	9.60E-08
3212	609492.72	4170325.85	6.07E-07	2.49E-07	8.56E-07	1.01E-07	4.35E-08	1.44E-07	7.44E-08	2.49E-08	9.92E-08
3213	609483.08	4170325.78	6.27E-07	2.58E-07	8.85E-07	1.04E-07	4.50E-08	1.49E-07	7.69E-08	2.57E-08	1.03E-07
3214	609473.45	4170325.7	6.49E-07	2.67E-07	9.15E-07	1.08E-07	4.66E-08	1.54E-07	7.95E-08	2.66E-08	1.06E-07
3215	609463.82	4170325.63	6.71E-07	2.76E-07	9.46E-07	1.11E-07	4.81E-08	1.60E-07	8.22E-08	2.75E-08	1.10E-07
3216	609454.19	4170325.55	6.93E-07	2.85E-07	9.78E-07	1.15E-07	4.97E-08	1.65E-07	8.50E-08	2.84E-08	1.13E-07
3217	609444.56	4170325.48	7.16E-07	2.94E-07	1.01E-06	1.19E-07	5.13E-08	1.70E-07	8.77E-08	2.93E-08	1.17E-07
3218	609434.93	4170325.4	7.38E-07	3.03E-07	1.04E-06	1.23E-07	5.30E-08	1.76E-07	9.05E-08	3.03E-08	1.21E-07
3219	609425.3	4170325.33	7.61E-07	3.13E-07	1.07E-06	1.26E-07	5.46E-08	1.81E-07	9.33E-08	3.12E-08	1.24E-07
3220	609589.1	4170316.59	4.25E-07	1.75E-07	6.00E-07	7.07E-08	3.05E-08	1.01E-07	5.22E-08	1.74E-08	6.96E-08
3221	609579.47	4170316.52	4.36E-07	1.79E-07	6.16E-07	7.25E-08	3.13E-08	1.04E-07	5.35E-08	1.79E-08	7.14E-08
3222	609569.84	4170316.45	4.48E-07	1.84E-07	6.32E-07	7.44E-08	3.22E-08	1.07E-07	5.49E-08	1.84E-08	7.33E-08
3223	609560.21	4170316.37	4.61E-07	1.89E-07	6.50E-07	7.65E-08	3.31E-08	1.10E-07	5.65E-08	1.89E-08	7.54E-08
3224	609550.58	4170316.3	4.74E-07	1.95E-07	6.69E-07	7.87E-08	3.40E-08	1.13E-07	5.81E-08	1.94E-08	7.76E-08
3225	609540.95	4170316.22	4.88E-07	2.01E-07	6.89E-07	8.11E-08	3.50E-08	1.16E-07	5.99E-08	2.00E-08	7.99E-08
3226	609531.32	4170316.15	5.03E-07	2.07E-07	7.10E-07	8.36E-08	3.61E-08	1.20E-07	6.17E-08	2.06E-08	8.24E-08
3227	609521.68	4170316.07	5.20E-07	2.14E-07	7.33E-07	8.63E-08	3.73E-08	1.24E-07	6.37E-08	2.13E-08	8.50E-08
3228	609512.05	4170316	5.36E-07	2.20E-07	7.57E-07	8.91E-08	3.85E-08	1.28E-07	6.58E-08	2.20E-08	8.78E-08
3229	609502.42	4170315.92	5.54E-07	2.28E-07	7.82E-07	9.20E-08	3.98E-08	1.32E-07	6.79E-08	2.27E-08	9.06E-08
3230	609492.79	4170315.85	5.72E-07	2.35E-07	8.08E-07	9.51E-08	4.11E-08	1.36E-07	7.02E-08	2.35E-08	9.37E-08
3231	609483.16	4170315.78	5.92E-07	2.43E-07	8.35E-07	9.83E-08	4.25E-08	1.41E-07	7.25E-08	2.43E-08	9.68E-08
3232	609473.53	4170315.7	6.11E-07	2.51E-07	8.63E-07	1.02E-07	4.39E-08	1.45E-07	7.49E-08	2.51E-08	1.00E-07
3233	609463.9	4170315.63	6.31E-07	2.60E-07	8.91E-07	1.05E-07	4.53E-08	1.50E-07	7.74E-08	2.59E-08	1.03E-07
3234	609454.27	4170315.55	6.52E-07	2.68E-07	9.20E-07	1.08E-07	4.68E-08	1.55E-07	8.00E-08	2.67E-08	1.07E-07
3235	609444.64	4170315.48	6.73E-07	2.77E-07	9.50E-07	1.12E-07	4.83E-08	1.60E-07	8.25E-08	2.76E-08	1.10E-07
3236	609435.01	4170315.4	6.94E-07	2.85E-07	9.79E-07	1.15E-07	4.98E-08	1.65E-07	8.51E-08	2.84E-08	1.14E-07
3237	609425.38	4170315.33	7.15E-07	2.94E-07	1.01E-06	1.19E-07	5.13E-08	1.70E-07	8.77E-08	2.93E-08	1.17E-07
3238	609589.18	4170306.59	4.04E-07	1.66E-07	5.70E-07	6.71E-08	2.90E-08	9.61E-08	4.95E-08	1.66E-08	6.61E-08
3239	609579.55	4170306.52	4.14E-07	1.70E-07	5.85E-07	6.88E-08	2.97E-08	9.86E-08	5.08E-08	1.70E-08	6.78E-08
3240	609569.91	4170306.45	4.25E-07	1.75E-07	6.00E-07	7.07E-08	3.05E-08	1.01E-07	5.22E-08	1.74E-08	6.96E-08
3241	609560.28	4170306.37	4.37E-07	1.80E-07	6.17E-07	7.26E-08	3.14E-08	1.04E-07	5.36E-08	1.79E-08	7.15E-08
3242	609550.65	4170306.3	4.50E-07	1.85E-07	6.35E-07	7.47E-08	3.23E-08	1.07E-07	5.51E-08	1.84E-08	7.36E-08
3243	609541.02	4170306.22	4.63E-07	1.90E-07	6.53E-07	7.69E-08	3.32E-08	1.10E-07	5.68E-08	1.90E-08	7.58E-08
3244	609531.39	4170306.15	4.77E-07	1.96E-07	6.73E-07	7.93E-08	3.43E-08	1.14E-07	5.85E-08	1.96E-08	7.81E-08
3245	609521.76	4170306.07	4.92E-07	2.02E-07	6.94E-07	8.18E-08	3.53E-08	1.17E-07	6.03E-08	2.02E-08	8.05E-08
3246	609512.13	4170306	5.08E-07	2.09E-07	7.17E-07	8.44E-08	3.64E-08	1.21E-07	6.23E-08	2.08E-08	8.31E-08
3247	609502.5	4170305.92	5.24E-07	2.15E-07	7.40E-07	8.71E-08	3.76E-08	1.25E-07	6.43E-08	2.15E-08	8.58E-08
3248	609492.87	4170305.85	5.41E-07	2.22E-07	7.64E-07	8.99E-08	3.88E-08	1.29E-07	6.64E-08	2.22E-08	8.86E-08
3249	609483.24	4170305.78	5.59E-07	2.30E-07	7.89E-07	9.29E-08	4.01E-08	1.33E-07	6.85E-08	2.29E-08	9.14E-08
3250	609473.61	4170305.7	5.77E-07	2.37E-07	8.14E-07	9.59E-08	4.14E-08	1.37E-07	7.08E-08	2.37E-08	9.44E-08
3251	609463.98	4170305.63	5.96E-07	2.45E-07	8.41E-07	9.90E-08	4.28E-08	1.42E-07	7.31E-08	2.44E-08	9.75E-08
3252	609454.35	4170305.55	6.15E-07	2.53E-07	8.68E-07	1.02E-07	4.41E-08	1.46E-07	7.54E-08	2.52E-08	1.01E-07
3253	609444.72	4170305.48	6.34E-07	2.61E-07	8.95E-07	1.05E-07	4.55E-08	1.51E-07	7.78E-08	2.60E-08	1.04E-07
3254	609435.09	4170305.4	6.54E-07	2.69E-07	9.22E-07	1.09E-07	4.69E-08	1.55E-07	8.01E-08	2.68E-08	1.07E-07
3255	609425.46	4170305.33	6.73E-07	2.77E-07	9.50E-07	1.12E-07	4.83E-08	1.60E-07	8.25E-08	2.76E-08	1.10E-07
3256	609410.88	4170589.52	1.22E-05	5.00E-06	1.72E-05	2.02E-06	8.74E-07	2.90E-06	1.49E-06	4.99E-07	1.99E-06
3257	609397.01	4170597.56	1.29E-05	5.29E-06	1.81E-05	2.14E-06	9.23E-07	3.06E-06	1.58E-06	5.27E-07	2.10E-06
3258	609389.35	4170603.51	1.33E-05	5.45E-06	1.87E-05	2.20E-06	9.52E-07	3.16E-06	1.63E-06	5.44E-07	2.17E-06
3259	609381.69	4170609.45	1.34E-05	5.52E-06	1.90E-05	2.23E-06	9.64E-07	3.20E-06	1.65E-06	5.51E-07	2.20E-06
3260	609374.03	4170615.4	1.34E-05	5.51E-06	1.89E-05	2.23E-06	9.62E-07	3.19E-06	1.64E-06	5.50E-07	2.19E-06
3261	609366.37	4170621.34	1.32E-05	5.43E-06	1.86E-05	2.20E-06	9.48E-07	3.14E-06	1.62E-06	5.42E-07	2.16E-06
3262	609358.71	4170627.28	1.29E-05	5.30E-06	1.82E-05	2.14E-06	9.26E-07	3.07E-06	1.58E-06	5.29E-07	2.11E-06
3263	609320.41	4170657	9.69E-06	3.98E-06	1.37E-05	1.61E-06	6.95E-07	2.31E-06	1.19E-06	3.97E-07	1.59E-06
3264	609312.76	4170662.95	8.77E-06	3.61E-06	1.24E-05	1.46E-06	6.30E-07	2.09E-06	1.08E-06	3.60E-07	1.44E-06
3265	609305.1	4170668.89	7.72E-06	3.17E-06	1.09E-05	1.28E-06	5.54E-07	1.84E-06	9.47E-07	3.17E-07	1.26E-06
3266	609297.44	4170674.84	6.58E-06	2.70E-06	9.28E-06	1.09E-06	4.72E-07	1.56E-06	8.06E-07	2.70E-07	1.08E-06
3267	609289.78	4170680.78	5.44E-06	2.23E-06	7.67E-06	9.03E-07	3.90E-07	1.29E-06	6.67E-07	2.23E-07	8.89E-07
3268	609406.81	4170580.92	1.02E-05	4.19E-06	1.44E-05	1.69E-06	7.31E-07	2.42E-06	1.25E-06	4.17E-07	1.67E-06
3269	609390.88	4170589.66	1.07E-05	4.41E-06	1.51E-05	1.78E-06	7.69E-07	2.55E-06	1.31E-06	4.39E-07	1.75E-06
3270	609383.22	4170595.61	1.10E-05	4.54E-06	1.56E-05	1.83E-06	7.93E-07	2.63E-06	1.35E-06	4.53E-07	1.81E-06
3271	609375.56	4170601.55	1.12E-05	4.60E-06	1.58E-05	1.86E-06	8.04E-07	2.66E-06	1.37E-06	4.59E-07	1.83E-06
3272	609367.9	4170607.5	1.12E-05	4.60E-06	1.58E-05	1.86E-06	8.03E-07	2.66E-06	1.37E-06	4.59E-07	1.83E-06

3273	609360.24	4170613.44	1.11E-05	4.55E-06	1.56E-05	1.84E-06	7.94E-07	2.63E-06	1.36E-06	4.53E-07	1.81E-06
3274	609352.58	4170619.38	1.08E-05	4.44E-06	1.53E-05	1.80E-06	7.76E-07	2.57E-06	1.33E-06	4.43E-07	1.77E-06
3275	609344.92	4170625.33	1.04E-05	4.29E-06	1.47E-05	1.74E-06	7.50E-07	2.49E-06	1.28E-06	4.28E-07	1.71E-06
3276	609306.62	4170655.05	7.47E-06	3.07E-06	1.05E-05	1.24E-06	5.36E-07	1.78E-06	9.15E-07	3.06E-07	1.22E-06
3277	609298.97	4170660.99	6.64E-06	2.73E-06	9.37E-06	1.10E-06	4.76E-07	1.58E-06	8.14E-07	2.72E-07	1.09E-06
3278	609291.31	4170666.94	5.76E-06	2.37E-06	8.12E-06	9.56E-07	4.13E-07	1.37E-06	7.06E-07	2.36E-07	9.42E-07
3279	609283.65	4170672.88	4.88E-06	2.01E-06	6.89E-06	8.11E-07	3.51E-07	1.16E-06	5.99E-07	2.00E-07	7.99E-07
3280	609400.17	4170573.19	8.73E-06	3.59E-06	1.23E-05	1.45E-06	6.27E-07	2.08E-06	1.07E-06	3.58E-07	1.43E-06
3281	609384.75	4170581.76	9.15E-06	3.76E-06	1.29E-05	1.52E-06	6.56E-07	2.18E-06	1.12E-06	3.75E-07	1.50E-06
3282	609377.09	4170587.71	9.41E-06	3.87E-06	1.33E-05	1.56E-06	6.75E-07	2.24E-06	1.15E-06	3.86E-07	1.54E-06
3283	609369.43	4170593.65	9.54E-06	3.92E-06	1.35E-05	1.58E-06	6.85E-07	2.27E-06	1.17E-06	3.91E-07	1.56E-06
3284	609361.77	4170599.6	9.55E-06	3.93E-06	1.35E-05	1.59E-06	6.85E-07	2.27E-06	1.17E-06	3.91E-07	1.56E-06
3285	609354.11	4170605.54	9.45E-06	3.88E-06	1.33E-05	1.57E-06	6.78E-07	2.25E-06	1.16E-06	3.87E-07	1.55E-06
3286	609346.45	4170611.48	9.24E-06	3.80E-06	1.30E-05	1.54E-06	6.63E-07	2.20E-06	1.13E-06	3.79E-07	1.51E-06
3287	609338.79	4170617.43	8.95E-06	3.68E-06	1.26E-05	1.49E-06	6.42E-07	2.13E-06	1.10E-06	3.67E-07	1.46E-06
3288	609331.13	4170623.37	8.58E-06	3.53E-06	1.21E-05	1.42E-06	6.15E-07	2.04E-06	1.05E-06	3.52E-07	1.40E-06
3289	609300.49	4170647.15	6.49E-06	2.67E-06	9.16E-06	1.08E-06	4.66E-07	1.54E-06	7.96E-07	2.66E-07	1.06E-06
3290	609292.83	4170653.09	5.82E-06	2.39E-06	8.22E-06	9.67E-07	4.18E-07	1.39E-06	7.14E-07	2.39E-07	9.53E-07
3291	609285.17	4170659.04	5.12E-06	2.11E-06	7.23E-06	8.51E-07	3.68E-07	1.22E-06	6.28E-07	2.10E-07	8.38E-07
3292	609277.52	4170664.98	4.43E-06	1.82E-06	6.25E-06	7.36E-07	3.18E-07	1.05E-06	5.43E-07	1.82E-07	7.25E-07
3293	609393.72	4170565.4	7.61E-06	3.13E-06	1.07E-05	1.26E-06	5.46E-07	1.81E-06	9.33E-07	3.12E-07	1.24E-06
3294	609378.62	4170573.86	7.94E-06	3.26E-06	1.12E-05	1.32E-06	5.70E-07	1.89E-06	9.73E-07	3.25E-07	1.30E-06
3295	609370.96	4170579.81	8.15E-06	3.35E-06	1.15E-05	1.35E-06	5.85E-07	1.94E-06	9.99E-07	3.34E-07	1.33E-06
3296	609363.3	4170585.75	8.26E-06	3.40E-06	1.17E-05	1.37E-06	5.93E-07	1.97E-06	1.01E-06	3.39E-07	1.35E-06
3297	609355.64	4170591.7	8.28E-06	3.40E-06	1.17E-05	1.38E-06	5.94E-07	1.97E-06	1.02E-06	3.39E-07	1.35E-06
3298	609347.98	4170597.64	8.20E-06	3.37E-06	1.16E-05	1.36E-06	5.89E-07	1.95E-06	1.01E-06	3.36E-07	1.34E-06
3299	609340.32	4170603.58	8.04E-06	3.30E-06	1.13E-05	1.34E-06	5.77E-07	1.91E-06	9.85E-07	3.29E-07	1.31E-06
3300	609332.66	4170609.53	7.79E-06	3.20E-06	1.10E-05	1.29E-06	5.59E-07	1.85E-06	9.56E-07	3.20E-07	1.28E-06
3301	609325	4170615.47	7.48E-06	3.07E-06	1.06E-05	1.24E-06	5.37E-07	1.78E-06	9.17E-07	3.07E-07	1.22E-06
3302	609286.7	4170645.19	5.19E-06	2.13E-06	7.32E-06	8.62E-07	3.72E-07	1.23E-06	6.36E-07	2.13E-07	8.49E-07
3303	609279.04	4170651.14	4.62E-06	1.90E-06	6.52E-06	7.67E-07	3.31E-07	1.10E-06	5.66E-07	1.89E-07	7.55E-07
3304	609271.38	4170657.08	4.05E-06	1.67E-06	5.72E-06	6.73E-07	2.91E-07	9.64E-07	4.97E-07	1.66E-07	6.63E-07
3305	609388.84	4170557.08	6.70E-06	2.75E-06	9.45E-06	1.11E-06	4.81E-07	1.59E-06	8.21E-07	2.75E-07	1.10E-06
3306	609414.91	4170548.26	6.28E-06	2.58E-06	8.86E-06	1.04E-06	4.51E-07	1.49E-06	7.70E-07	2.57E-07	1.03E-06
3307	609380.14	4170560.02	6.73E-06	2.77E-06	9.50E-06	1.12E-06	4.83E-07	1.60E-06	8.25E-07	2.76E-07	1.10E-06
3308	609372.48	4170565.96	6.98E-06	2.87E-06	9.84E-06	1.16E-06	5.01E-07	1.66E-06	8.55E-07	2.86E-07	1.14E-06
3309	609364.83	4170571.91	7.15E-06	2.94E-06	1.01E-05	1.19E-06	5.13E-07	1.70E-06	8.77E-07	2.93E-07	1.17E-06
3310	609357.17	4170577.85	7.25E-06	2.98E-06	1.02E-05	1.20E-06	5.20E-07	1.72E-06	8.89E-07	2.97E-07	1.19E-06
3311	609349.51	4170583.79	7.27E-06	2.99E-06	1.03E-05	1.21E-06	5.22E-07	1.73E-06	8.91E-07	2.98E-07	1.19E-06
3312	609341.85	4170589.74	7.21E-06	2.96E-06	1.02E-05	1.20E-06	5.17E-07	1.72E-06	8.84E-07	2.96E-07	1.18E-06
3313	609334.19	4170595.68	7.08E-06	2.91E-06	9.99E-06	1.18E-06	5.08E-07	1.68E-06	8.68E-07	2.90E-07	1.16E-06
3314	609326.53	4170601.63	6.88E-06	2.83E-06	9.71E-06	1.14E-06	4.94E-07	1.64E-06	8.44E-07	2.82E-07	1.13E-06
3315	609318.87	4170607.57	6.62E-06	2.72E-06	9.34E-06	1.10E-06	4.75E-07	1.57E-06	8.12E-07	2.71E-07	1.08E-06
3316	609311.21	4170613.51	6.31E-06	2.59E-06	8.91E-06	1.05E-06	4.53E-07	1.50E-06	7.74E-07	2.59E-07	1.03E-06
3317	609280.57	4170637.29	4.68E-06	1.92E-06	6.60E-06	7.77E-07	3.36E-07	1.11E-06	5.74E-07	1.92E-07	7.65E-07
3318	609272.91	4170643.23	4.20E-06	1.73E-06	5.93E-06	6.98E-07	3.02E-07	1.00E-06	5.15E-07	1.72E-07	6.88E-07
3319	609265.25	4170649.18	3.73E-06	1.53E-06	5.26E-06	6.20E-07	2.68E-07	8.87E-07	4.57E-07	1.53E-07	6.10E-07
3320	609398.85	4170543.72	5.79E-06	2.38E-06	8.17E-06	9.61E-07	4.15E-07	1.38E-06	7.10E-07	2.37E-07	9.47E-07
3321	609366.35	4170558.06	6.20E-06	2.55E-06	8.74E-06	1.03E-06	4.45E-07	1.47E-06	7.60E-07	2.54E-07	1.01E-06
3322	609358.69	4170564.01	6.34E-06	2.61E-06	8.95E-06	1.05E-06	4.55E-07	1.51E-06	7.78E-07	2.60E-07	1.04E-06
3323	609351.03	4170569.95	6.43E-06	2.64E-06	9.07E-06	1.07E-06	4.61E-07	1.53E-06	7.88E-07	2.64E-07	1.05E-06
3324	609343.38	4170575.89	6.45E-06	2.65E-06	9.10E-06	1.07E-06	4.63E-07	1.53E-06	7.91E-07	2.64E-07	1.05E-06
3325	609335.72	4170581.84	6.40E-06	2.63E-06	9.04E-06	1.06E-06	4.60E-07	1.52E-06	7.85E-07	2.62E-07	1.05E-06
3326	609328.06	4170587.78	6.30E-06	2.59E-06	8.89E-06	1.05E-06	4.52E-07	1.50E-06	7.72E-07	2.58E-07	1.03E-06
3327	609320.4	4170593.73	6.13E-06	2.52E-06	8.65E-06	1.02E-06	4.40E-07	1.46E-06	7.52E-07	2.51E-07	1.00E-06
3328	609312.74	4170599.67	5.91E-06	2.43E-06	8.34E-06	9.82E-07	4.24E-07	1.41E-06	7.25E-07	2.42E-07	9.67E-07
3329	609305.08	4170605.61	5.65E-06	2.32E-06	7.97E-06	9.39E-07	4.05E-07	1.34E-06	6.93E-07	2.32E-07	9.24E-07
3330	609297.42	4170611.56	5.35E-06	2.20E-06	7.55E-06	8.89E-07	3.84E-07	1.27E-06	6.56E-07	2.19E-07	8.75E-07
3331	609266.78	4170635.33	3.85E-06	1.58E-06	5.44E-06	6.40E-07	2.77E-07	9.17E-07	4.73E-07	1.58E-07	6.31E-07
3332	609259.12	4170641.28	3.45E-06	1.42E-06	4.87E-06	5.74E-07	2.48E-07	8.22E-07	4.23E-07	1.42E-07	5.65E-07
3333	609391.83	4170536.12	5.22E-06	2.14E-06	7.36E-06	8.66E-07	3.74E-07	1.24E-06	6.40E-07	2.14E-07	8.53E-07
3334	609407.79	4170530.72	4.96E-06	2.04E-06	7.00E-06	8.24E-07	3.56E-07	1.18E-06	6.09E-07	2.03E-07	8.12E-07
3335	609360.22	4170550.16	5.55E-06	2.28E-06	7.83E-06	9.22E-07	3.98E-07	1.32E-06	6.81E-07	2.28E-07	9.08E-07

3336	609352.56	4170556.11	5.68E-06	2.33E-06	8.01E-06	9.43E-07	4.07E-07	1.35E-06	6.96E-07	2.33E-07	9.29E-07
3337	609344.9	4170562.05	5.75E-06	2.36E-06	8.11E-06	9.55E-07	4.13E-07	1.37E-06	7.05E-07	2.36E-07	9.41E-07
3338	609337.24	4170567.99	5.77E-06	2.37E-06	8.14E-06	9.58E-07	4.14E-07	1.37E-06	7.07E-07	2.36E-07	9.44E-07
3339	609329.59	4170573.94	5.73E-06	2.36E-06	8.09E-06	9.52E-07	4.11E-07	1.36E-06	7.03E-07	2.35E-07	9.38E-07
3340	609321.93	4170579.88	5.65E-06	2.32E-06	7.97E-06	9.38E-07	4.05E-07	1.34E-06	6.92E-07	2.31E-07	9.24E-07
3341	609314.27	4170585.83	5.51E-06	2.26E-06	7.77E-06	9.15E-07	3.95E-07	1.31E-06	6.75E-07	2.26E-07	9.01E-07
3342	609306.61	4170591.77	5.32E-06	2.19E-06	7.51E-06	8.84E-07	3.82E-07	1.27E-06	6.52E-07	2.18E-07	8.70E-07
3343	609298.95	4170597.71	5.10E-06	2.09E-06	7.19E-06	8.46E-07	3.66E-07	1.21E-06	6.25E-07	2.09E-07	8.34E-07
3344	609291.29	4170603.66	4.84E-06	1.99E-06	6.83E-06	8.04E-07	3.47E-07	1.15E-06	5.93E-07	1.98E-07	7.91E-07
3345	609260.65	4170627.43	3.56E-06	1.46E-06	5.02E-06	5.91E-07	2.55E-07	8.46E-07	4.36E-07	1.46E-07	5.82E-07
3346	609252.99	4170633.38	3.21E-06	1.32E-06	4.53E-06	5.34E-07	2.31E-07	7.64E-07	3.94E-07	1.32E-07	5.26E-07
3347	609379.49	4170530.32	4.78E-06	1.97E-06	6.75E-06	7.94E-07	3.43E-07	1.14E-06	5.86E-07	1.96E-07	7.82E-07
3348	609388.36	4170527.32	4.69E-06	1.93E-06	6.62E-06	7.79E-07	3.37E-07	1.12E-06	5.75E-07	1.92E-07	7.67E-07
3349	609397.23	4170524.32	4.57E-06	1.88E-06	6.45E-06	7.60E-07	3.28E-07	1.09E-06	5.61E-07	1.87E-07	7.48E-07
3350	609406.1	4170521.32	4.43E-06	1.82E-06	6.25E-06	7.36E-07	3.18E-07	1.05E-06	5.43E-07	1.82E-07	7.25E-07
3351	609414.96	4170518.32	4.27E-06	1.75E-06	6.02E-06	7.09E-07	3.06E-07	1.01E-06	5.23E-07	1.75E-07	6.98E-07
3352	609354.09	4170542.26	5.01E-06	2.06E-06	7.07E-06	8.32E-07	3.59E-07	1.19E-06	6.14E-07	2.05E-07	8.19E-07
3353	609346.43	4170548.21	5.12E-06	2.10E-06	7.22E-06	8.50E-07	3.67E-07	1.22E-06	6.27E-07	2.10E-07	8.37E-07
3354	609338.77	4170554.15	5.18E-06	2.13E-06	7.31E-06	8.60E-07	3.72E-07	1.23E-06	6.35E-07	2.12E-07	8.47E-07
3355	609331.11	4170560.09	5.20E-06	2.14E-06	7.33E-06	8.63E-07	3.73E-07	1.24E-06	6.37E-07	2.13E-07	8.50E-07
3356	609323.45	4170566.04	5.17E-06	2.12E-06	7.29E-06	8.59E-07	3.71E-07	1.23E-06	6.34E-07	2.12E-07	8.46E-07
3357	609315.8	4170571.98	5.09E-06	2.09E-06	7.19E-06	8.46E-07	3.65E-07	1.21E-06	6.24E-07	2.09E-07	8.33E-07
3358	609308.14	4170577.93	4.98E-06	2.05E-06	7.02E-06	8.26E-07	3.57E-07	1.18E-06	6.10E-07	2.04E-07	8.14E-07
3359	609300.48	4170583.87	4.82E-06	1.98E-06	6.80E-06	8.00E-07	3.46E-07	1.15E-06	5.91E-07	1.97E-07	7.88E-07
3360	609292.82	4170589.81	4.62E-06	1.90E-06	6.53E-06	7.68E-07	3.32E-07	1.10E-06	5.67E-07	1.90E-07	7.57E-07
3361	609285.16	4170595.76	4.40E-06	1.81E-06	6.21E-06	7.32E-07	3.16E-07	1.05E-06	5.40E-07	1.81E-07	7.20E-07
3362	609277.5	4170601.7	4.16E-06	1.71E-06	5.86E-06	6.90E-07	2.98E-07	9.88E-07	5.09E-07	1.70E-07	6.80E-07
3363	609246.86	4170625.48	3.00E-06	1.23E-06	4.24E-06	4.99E-07	2.15E-07	7.14E-07	3.68E-07	1.23E-07	4.91E-07
3364	609364.16	4170525.53	4.40E-06	1.81E-06	6.21E-06	7.31E-07	3.16E-07	1.05E-06	5.39E-07	1.80E-07	7.20E-07
3365	609381.23	4170519.76	4.28E-06	1.76E-06	6.04E-06	7.11E-07	3.07E-07	1.02E-06	5.25E-07	1.76E-07	7.00E-07
3366	609389.77	4170516.87	4.19E-06	1.72E-06	5.91E-06	6.95E-07	3.00E-07	9.96E-07	5.13E-07	1.72E-07	6.85E-07
3367	609406.84	4170511.1	3.93E-06	1.62E-06	5.55E-06	6.54E-07	2.82E-07	9.36E-07	4.82E-07	1.61E-07	6.44E-07
3368	609340.3	4170540.31	4.64E-06	1.91E-06	6.55E-06	7.71E-07	3.33E-07	1.10E-06	5.69E-07	1.90E-07	7.59E-07
3369	609332.64	4170546.25	4.69E-06	1.93E-06	6.62E-06	7.80E-07	3.37E-07	1.12E-06	5.76E-07	1.92E-07	7.68E-07
3370	609324.98	4170552.19	4.71E-06	1.94E-06	6.65E-06	7.83E-07	3.38E-07	1.12E-06	5.78E-07	1.93E-07	7.71E-07
3371	609317.32	4170558.14	4.69E-06	1.93E-06	6.61E-06	7.79E-07	3.36E-07	1.11E-06	5.75E-07	1.92E-07	7.67E-07
3372	609309.66	4170564.08	4.62E-06	1.90E-06	6.52E-06	7.68E-07	3.32E-07	1.10E-06	5.67E-07	1.90E-07	7.56E-07
3373	609302	4170570.03	4.52E-06	1.86E-06	6.38E-06	7.51E-07	3.25E-07	1.08E-06	5.54E-07	1.85E-07	7.40E-07
3374	609294.35	4170575.97	4.39E-06	1.80E-06	6.19E-06	7.29E-07	3.15E-07	1.04E-06	5.38E-07	1.80E-07	7.18E-07
3375	609286.69	4170581.91	4.22E-06	1.74E-06	5.96E-06	7.02E-07	3.03E-07	1.00E-06	5.18E-07	1.73E-07	6.91E-07
3376	609279.03	4170587.86	4.03E-06	1.66E-06	5.69E-06	6.70E-07	2.89E-07	9.59E-07	4.94E-07	1.65E-07	6.60E-07
3377	609271.37	4170593.8	3.82E-06	1.57E-06	5.38E-06	6.34E-07	2.74E-07	9.08E-07	4.68E-07	1.56E-07	6.24E-07
3378	609263.71	4170599.75	3.58E-06	1.47E-06	5.05E-06	5.95E-07	2.57E-07	8.52E-07	4.39E-07	1.47E-07	5.86E-07
3379	609240.73	4170617.58	2.81E-06	1.16E-06	3.97E-06	4.67E-07	2.02E-07	6.69E-07	3.45E-07	1.15E-07	4.60E-07
3380	609357.77	4170517.72	4.02E-06	1.65E-06	5.67E-06	6.68E-07	2.89E-07	9.56E-07	4.93E-07	1.65E-07	6.58E-07
3381	609374.32	4170512.12	3.92E-06	1.61E-06	5.54E-06	6.52E-07	2.82E-07	9.33E-07	4.81E-07	1.61E-07	6.42E-07
3382	609390.88	4170506.52	3.75E-06	1.54E-06	5.29E-06	6.23E-07	2.69E-07	8.92E-07	4.60E-07	1.54E-07	6.13E-07
3383	609407.43	4170500.92	3.51E-06	1.44E-06	4.95E-06	5.83E-07	2.52E-07	8.35E-07	4.30E-07	1.44E-07	5.74E-07
3384	609326.51	4170538.35	4.28E-06	1.76E-06	6.04E-06	7.11E-07	3.07E-07	1.02E-06	5.25E-07	1.75E-07	7.00E-07
3385	609318.85	4170544.29	4.29E-06	1.76E-06	6.06E-06	7.13E-07	3.08E-07	1.02E-06	5.26E-07	1.76E-07	7.02E-07
3386	609311.19	4170550.24	4.27E-06	1.76E-06	6.03E-06	7.10E-07	3.07E-07	1.02E-06	5.24E-07	1.75E-07	6.99E-07
3387	609303.53	4170556.18	4.22E-06	1.73E-06	5.95E-06	7.01E-07	3.03E-07	1.00E-06	5.17E-07	1.73E-07	6.90E-07
3388	609295.87	4170562.13	4.13E-06	1.70E-06	5.83E-06	6.86E-07	2.97E-07	9.83E-07	5.07E-07	1.69E-07	6.76E-07
3389	609288.21	4170568.07	4.02E-06	1.65E-06	5.67E-06	6.67E-07	2.88E-07	9.56E-07	4.93E-07	1.65E-07	6.57E-07
3390	609280.56	4170574.01	3.88E-06	1.59E-06	5.47E-06	6.44E-07	2.78E-07	9.22E-07	4.75E-07	1.59E-07	6.34E-07
3391	609272.9	4170579.96	3.71E-06	1.52E-06	5.23E-06	6.16E-07	2.66E-07	8.82E-07	4.55E-07	1.52E-07	6.07E-07
3392	609265.24	4170585.9	3.52E-06	1.45E-06	4.97E-06	5.85E-07	2.53E-07	8.38E-07	4.32E-07	1.44E-07	5.76E-07
3393	609257.58	4170591.85	3.32E-06	1.36E-06	4.68E-06	5.51E-07	2.38E-07	7.89E-07	4.07E-07	1.36E-07	5.43E-07
3394	609352.33	4170509.59	3.69E-06	1.52E-06	5.20E-06	6.13E-07	2.65E-07	8.77E-07	4.52E-07	1.51E-07	6.03E-07
3395	609361.29	4170506.55	3.65E-06	1.50E-06	5.15E-06	6.06E-07	2.62E-07	8.68E-07	4.47E-07	1.50E-07	5.97E-07
3396	609370.26	4170503.52	3.59E-06	1.48E-06	5.07E-06	5.96E-07	2.58E-07	8.54E-07	4.40E-07	1.47E-07	5.87E-07
3397	609379.23	4170500.49	3.51E-06	1.44E-06	4.95E-06	5.83E-07	2.52E-07	8.35E-07	4.30E-07	1.44E-07	5.74E-07
3398	609388.2	4170497.45	3.41E-06	1.40E-06	4.81E-06	5.67E-07	2.45E-07	8.11E-07	4.18E-07	1.40E-07	5.58E-07

3399	609397.16	4170494.42	3.30E-06	1.36E-06	4.65E-06	5.48E-07	2.37E-07	7.85E-07	4.04E-07	1.35E-07	5.40E-07
3400	609406.13	4170491.39	3.17E-06	1.30E-06	4.48E-06	5.27E-07	2.28E-07	7.55E-07	3.89E-07	1.30E-07	5.19E-07
3401	609415.1	4170488.36	3.04E-06	1.25E-06	4.28E-06	5.04E-07	2.18E-07	7.22E-07	3.72E-07	1.24E-07	4.97E-07
3402	609343.36	4170512.62	3.70E-06	1.52E-06	5.23E-06	6.15E-07	2.66E-07	8.81E-07	4.54E-07	1.52E-07	6.06E-07
3403	609335.7	4170518.56	3.80E-06	1.56E-06	5.36E-06	6.32E-07	2.73E-07	9.04E-07	4.66E-07	1.56E-07	6.22E-07
3404	609320.38	4170530.45	3.92E-06	1.61E-06	5.53E-06	6.51E-07	2.81E-07	9.32E-07	4.80E-07	1.61E-07	6.41E-07
3405	609312.72	4170536.39	3.93E-06	1.62E-06	5.55E-06	6.53E-07	2.82E-07	9.35E-07	4.82E-07	1.61E-07	6.43E-07
3406	609305.06	4170542.34	3.91E-06	1.61E-06	5.52E-06	6.50E-07	2.81E-07	9.31E-07	4.80E-07	1.60E-07	6.40E-07
3407	609297.4	4170548.28	3.87E-06	1.59E-06	5.46E-06	6.43E-07	2.78E-07	9.20E-07	4.74E-07	1.59E-07	6.33E-07
3408	609289.74	4170554.23	3.80E-06	1.56E-06	5.36E-06	6.30E-07	2.72E-07	9.03E-07	4.65E-07	1.56E-07	6.21E-07
3409	609282.08	4170560.17	3.70E-06	1.52E-06	5.22E-06	6.14E-07	2.65E-07	8.79E-07	4.53E-07	1.52E-07	6.05E-07
3410	609274.42	4170566.11	3.57E-06	1.47E-06	5.04E-06	5.94E-07	2.56E-07	8.50E-07	4.38E-07	1.46E-07	5.85E-07
3411	609266.77	4170572.06	3.43E-06	1.41E-06	4.84E-06	5.69E-07	2.46E-07	8.15E-07	4.20E-07	1.41E-07	5.61E-07
3412	609259.11	4170578	3.26E-06	1.34E-06	4.60E-06	5.42E-07	2.34E-07	7.76E-07	4.00E-07	1.34E-07	5.34E-07
3413	609345.92	4170501.78	3.40E-06	1.40E-06	4.80E-06	5.65E-07	2.44E-07	8.09E-07	4.17E-07	1.39E-07	5.56E-07
3414	609354.61	4170498.84	3.37E-06	1.38E-06	4.75E-06	5.59E-07	2.42E-07	8.01E-07	4.13E-07	1.38E-07	5.51E-07
3415	609363.3	4170495.9	3.32E-06	1.36E-06	4.68E-06	5.51E-07	2.38E-07	7.89E-07	4.07E-07	1.36E-07	5.43E-07
3416	609371.99	4170492.96	3.25E-06	1.34E-06	4.59E-06	5.40E-07	2.33E-07	7.73E-07	3.99E-07	1.33E-07	5.32E-07
3417	609380.68	4170490.02	3.17E-06	1.30E-06	4.47E-06	5.26E-07	2.27E-07	7.54E-07	3.88E-07	1.30E-07	5.18E-07
3418	609389.38	4170487.08	3.07E-06	1.26E-06	4.34E-06	5.11E-07	2.21E-07	7.31E-07	3.77E-07	1.26E-07	5.03E-07
3419	609398.07	4170484.14	2.97E-06	1.22E-06	4.19E-06	4.93E-07	2.13E-07	7.06E-07	3.64E-07	1.22E-07	4.85E-07
3420	609406.76	4170481.2	2.85E-06	1.17E-06	4.02E-06	4.74E-07	2.05E-07	6.78E-07	3.50E-07	1.17E-07	4.66E-07
3421	609415.45	4170478.26	2.73E-06	1.12E-06	3.85E-06	4.53E-07	1.96E-07	6.49E-07	3.34E-07	1.12E-07	4.46E-07
3422	609337.23	4170504.72	3.41E-06	1.40E-06	4.82E-06	5.67E-07	2.45E-07	8.12E-07	4.19E-07	1.40E-07	5.58E-07
3423	609329.57	4170510.66	3.50E-06	1.44E-06	4.94E-06	5.81E-07	2.51E-07	8.32E-07	4.29E-07	1.43E-07	5.73E-07
3424	609306.59	4170528.49	3.61E-06	1.49E-06	5.10E-06	6.00E-07	2.59E-07	8.60E-07	4.43E-07	1.48E-07	5.91E-07
3425	609298.93	4170534.44	3.60E-06	1.48E-06	5.08E-06	5.98E-07	2.58E-07	8.57E-07	4.42E-07	1.48E-07	5.89E-07
3426	609291.27	4170540.38	3.56E-06	1.46E-06	5.03E-06	5.92E-07	2.56E-07	8.47E-07	4.37E-07	1.46E-07	5.83E-07
3427	609283.61	4170546.33	3.50E-06	1.44E-06	4.94E-06	5.81E-07	2.51E-07	8.33E-07	4.29E-07	1.43E-07	5.73E-07
3428	609275.95	4170552.27	3.41E-06	1.40E-06	4.82E-06	5.67E-07	2.45E-07	8.12E-07	4.19E-07	1.40E-07	5.59E-07
3429	609268.29	4170558.21	3.31E-06	1.36E-06	4.67E-06	5.49E-07	2.37E-07	7.86E-07	4.05E-07	1.36E-07	5.41E-07
3430	609237.66	4170581.99	2.71E-06	1.11E-06	3.82E-06	4.50E-07	1.94E-07	6.44E-07	3.32E-07	1.11E-07	4.43E-07
3431	609230	4170587.93	2.53E-06	1.04E-06	3.57E-06	4.20E-07	1.82E-07	6.02E-07	3.10E-07	1.04E-07	4.14E-07
3432	609339.56	4170493.95	3.14E-06	1.29E-06	4.44E-06	5.22E-07	2.26E-07	7.48E-07	3.86E-07	1.29E-07	5.14E-07
3433	609356.49	4170488.23	3.08E-06	1.26E-06	4.34E-06	5.11E-07	2.21E-07	7.32E-07	3.77E-07	1.26E-07	5.03E-07
3434	609373.43	4170482.5	2.95E-06	1.21E-06	4.16E-06	4.90E-07	2.12E-07	7.02E-07	3.62E-07	1.21E-07	4.82E-07
3435	609390.36	4170476.78	2.78E-06	1.14E-06	3.92E-06	4.61E-07	1.99E-07	6.61E-07	3.41E-07	1.14E-07	4.54E-07
3436	609407.29	4170471.05	2.57E-06	1.06E-06	3.63E-06	4.27E-07	1.85E-07	6.12E-07	3.15E-07	1.05E-07	4.21E-07
3437	609323.44	4170502.76	3.23E-06	1.33E-06	4.56E-06	5.37E-07	2.32E-07	7.69E-07	3.96E-07	1.33E-07	5.29E-07
3438	609315.78	4170508.71	3.29E-06	1.35E-06	4.64E-06	5.47E-07	2.36E-07	7.83E-07	4.03E-07	1.35E-07	5.38E-07
3439	609300.46	4170520.59	3.34E-06	1.37E-06	4.71E-06	5.54E-07	2.39E-07	7.94E-07	4.09E-07	1.37E-07	5.46E-07
3440	609292.8	4170526.54	3.33E-06	1.37E-06	4.69E-06	5.53E-07	2.39E-07	7.91E-07	4.08E-07	1.36E-07	5.44E-07
3441	609285.14	4170532.48	3.29E-06	1.35E-06	4.65E-06	5.47E-07	2.36E-07	7.84E-07	4.04E-07	1.35E-07	5.39E-07
3442	609277.48	4170538.43	3.24E-06	1.33E-06	4.57E-06	5.38E-07	2.33E-07	7.71E-07	3.97E-07	1.33E-07	5.30E-07
3443	609246.84	4170562.2	2.83E-06	1.16E-06	3.99E-06	4.70E-07	2.03E-07	6.73E-07	3.47E-07	1.16E-07	4.63E-07
3444	609239.18	4170568.15	2.69E-06	1.11E-06	3.80E-06	4.47E-07	1.93E-07	6.40E-07	3.30E-07	1.10E-07	4.40E-07
3445	609231.53	4170574.09	2.54E-06	1.04E-06	3.59E-06	4.22E-07	1.82E-07	6.04E-07	3.12E-07	1.04E-07	4.16E-07
3446	609223.87	4170580.03	2.38E-06	9.80E-07	3.36E-06	3.96E-07	1.71E-07	5.67E-07	2.92E-07	9.77E-08	3.90E-07
3447	609334	4170485.86	2.92E-06	1.20E-06	4.12E-06	4.85E-07	2.09E-07	6.94E-07	3.58E-07	1.20E-07	4.77E-07
3448	609343.03	4170482.81	2.89E-06	1.19E-06	4.08E-06	4.80E-07	2.07E-07	6.87E-07	3.54E-07	1.18E-07	4.73E-07
3449	609352.06	4170479.76	2.85E-06	1.17E-06	4.02E-06	4.73E-07	2.04E-07	6.77E-07	3.49E-07	1.17E-07	4.66E-07
3450	609361.09	4170476.7	2.79E-06	1.15E-06	3.94E-06	4.63E-07	2.00E-07	6.64E-07	3.42E-07	1.14E-07	4.56E-07
3451	609370.12	4170473.65	2.72E-06	1.12E-06	3.84E-06	4.52E-07	1.95E-07	6.47E-07	3.34E-07	1.12E-07	4.45E-07
3452	609379.15	4170470.59	2.64E-06	1.08E-06	3.72E-06	4.38E-07	1.89E-07	6.28E-07	3.24E-07	1.08E-07	4.32E-07
3453	609388.18	4170467.54	2.55E-06	1.05E-06	3.60E-06	4.23E-07	1.83E-07	6.06E-07	3.13E-07	1.04E-07	4.17E-07
3454	609397.21	4170464.49	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.00E-07	1.00E-07	4.01E-07
3455	609406.24	4170461.43	2.35E-06	9.64E-07	3.31E-06	3.90E-07	1.68E-07	5.58E-07	2.88E-07	9.61E-08	3.84E-07
3456	609415.27	4170458.38	2.24E-06	9.19E-07	3.15E-06	3.71E-07	1.60E-07	5.32E-07	2.74E-07	9.16E-08	3.66E-07
3457	609324.97	4170488.92	2.93E-06	1.20E-06	4.13E-06	4.87E-07	2.10E-07	6.97E-07	3.59E-07	1.20E-07	4.79E-07
3458	609317.31	4170494.86	3.00E-06	1.23E-06	4.23E-06	4.98E-07	2.15E-07	7.13E-07	3.67E-07	1.23E-07	4.90E-07
3459	609309.65	4170500.81	3.05E-06	1.25E-06	4.30E-06	5.06E-07	2.19E-07	7.25E-07	3.74E-07	1.25E-07	4.99E-07
3460	609286.67	4170518.64	3.08E-06	1.27E-06	4.35E-06	5.12E-07	2.21E-07	7.34E-07	3.78E-07	1.26E-07	5.04E-07
3461	609256.03	4170542.41	2.86E-06	1.18E-06	4.04E-06	4.75E-07	2.05E-07	6.80E-07	3.51E-07	1.17E-07	4.68E-07

3462	609248.37	4170548.36	2.76E-06	1.13E-06	3.90E-06	4.59E-07	1.98E-07	6.57E-07	3.38E-07	1.13E-07	4.52E-07
3463	609240.71	4170554.3	2.65E-06	1.09E-06	3.74E-06	4.40E-07	1.90E-07	6.30E-07	3.25E-07	1.09E-07	4.33E-07
3464	609233.05	4170560.25	2.52E-06	1.04E-06	3.56E-06	4.19E-07	1.81E-07	6.00E-07	3.09E-07	1.03E-07	4.13E-07
3465	609225.39	4170566.19	2.39E-06	9.82E-07	3.37E-06	3.97E-07	1.71E-07	5.68E-07	2.93E-07	9.80E-08	3.91E-07
3466	609217.74	4170572.13	2.25E-06	9.25E-07	3.17E-06	3.74E-07	1.61E-07	5.35E-07	2.76E-07	9.22E-08	3.68E-07
3467	609210.08	4170578.08	2.11E-06	8.66E-07	2.97E-06	3.50E-07	1.51E-07	5.01E-07	2.58E-07	8.64E-08	3.45E-07
3468	609327.63	4170478.04	2.72E-06	1.12E-06	3.83E-06	4.51E-07	1.95E-07	6.46E-07	3.33E-07	1.11E-07	4.44E-07
3469	609336.42	4170475.07	2.69E-06	1.11E-06	3.80E-06	4.47E-07	1.93E-07	6.40E-07	3.30E-07	1.10E-07	4.40E-07
3470	609345.22	4170472.09	2.66E-06	1.09E-06	3.75E-06	4.41E-07	1.91E-07	6.32E-07	3.26E-07	1.09E-07	4.34E-07
3471	609354.01	4170469.12	2.61E-06	1.07E-06	3.68E-06	4.33E-07	1.87E-07	6.20E-07	3.20E-07	1.07E-07	4.26E-07
3472	609362.81	4170466.15	2.55E-06	1.05E-06	3.59E-06	4.23E-07	1.83E-07	6.06E-07	3.12E-07	1.04E-07	4.17E-07
3473	609371.6	4170463.17	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.89E-07	3.04E-07	1.02E-07	4.05E-07
3474	609380.4	4170460.2	2.40E-06	9.86E-07	3.39E-06	3.99E-07	1.72E-07	5.71E-07	2.94E-07	9.84E-08	3.93E-07
3475	609389.19	4170457.22	2.31E-06	9.51E-07	3.27E-06	3.84E-07	1.66E-07	5.51E-07	2.84E-07	9.49E-08	3.79E-07
3476	609397.99	4170454.25	2.22E-06	9.14E-07	3.14E-06	3.69E-07	1.60E-07	5.29E-07	2.73E-07	9.11E-08	3.64E-07
3477	609406.78	4170451.27	2.13E-06	8.75E-07	3.00E-06	3.53E-07	1.53E-07	5.06E-07	2.61E-07	8.72E-08	3.48E-07
3478	609415.58	4170448.3	2.03E-06	8.34E-07	2.86E-06	3.37E-07	1.46E-07	4.83E-07	2.49E-07	8.32E-08	3.32E-07
3479	609318.84	4170481.02	2.73E-06	1.12E-06	3.85E-06	4.53E-07	1.96E-07	6.48E-07	3.34E-07	1.12E-07	4.46E-07
3480	609311.18	4170486.96	2.79E-06	1.15E-06	3.93E-06	4.63E-07	2.00E-07	6.63E-07	3.42E-07	1.14E-07	4.56E-07
3481	609303.52	4170492.91	2.83E-06	1.16E-06	4.00E-06	4.70E-07	2.03E-07	6.74E-07	3.47E-07	1.16E-07	4.63E-07
3482	609295.86	4170498.85	2.86E-06	1.18E-06	4.04E-06	4.75E-07	2.05E-07	6.81E-07	3.51E-07	1.17E-07	4.68E-07
3483	609265.22	4170522.63	2.80E-06	1.15E-06	3.95E-06	4.66E-07	2.01E-07	6.67E-07	3.44E-07	1.15E-07	4.59E-07
3484	609257.56	4170528.57	2.74E-06	1.13E-06	3.87E-06	4.56E-07	1.97E-07	6.53E-07	3.37E-07	1.13E-07	4.49E-07
3485	609249.9	4170534.51	2.67E-06	1.10E-06	3.77E-06	4.44E-07	1.92E-07	6.35E-07	3.27E-07	1.09E-07	4.37E-07
3486	609242.24	4170540.46	2.58E-06	1.06E-06	3.65E-06	4.29E-07	1.85E-07	6.14E-07	3.17E-07	1.06E-07	4.23E-07
3487	609234.58	4170546.4	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.91E-07	3.04E-07	1.02E-07	4.06E-07
3488	609226.92	4170552.35	2.37E-06	9.75E-07	3.35E-06	3.94E-07	1.70E-07	5.64E-07	2.91E-07	9.72E-08	3.88E-07
3489	609219.26	4170558.29	2.25E-06	9.26E-07	3.18E-06	3.74E-07	1.62E-07	5.36E-07	2.76E-07	9.23E-08	3.69E-07
3490	609211.6	4170564.23	2.13E-06	8.74E-07	3.00E-06	3.53E-07	1.53E-07	5.06E-07	2.61E-07	8.72E-08	3.48E-07
3491	609203.95	4170570.18	2.00E-06	8.22E-07	2.82E-06	3.32E-07	1.43E-07	4.76E-07	2.45E-07	8.20E-08	3.27E-07
3492	609321.3	4170470.21	2.53E-06	1.04E-06	3.58E-06	4.21E-07	1.82E-07	6.03E-07	3.11E-07	1.04E-07	4.15E-07
3493	609329.9	4170467.3	2.51E-06	1.03E-06	3.55E-06	4.18E-07	1.80E-07	5.98E-07	3.08E-07	1.03E-07	4.11E-07
3494	609338.49	4170464.4	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.90E-07	3.04E-07	1.02E-07	4.06E-07
3495	609347.09	4170461.49	2.44E-06	1.00E-06	3.44E-06	4.05E-07	1.75E-07	5.81E-07	2.99E-07	1.00E-07	3.99E-07
3496	609355.68	4170458.58	2.39E-06	9.82E-07	3.37E-06	3.97E-07	1.71E-07	5.68E-07	2.93E-07	9.79E-08	3.91E-07
3497	609372.88	4170452.77	2.26E-06	9.30E-07	3.19E-06	3.76E-07	1.62E-07	5.38E-07	2.77E-07	9.27E-08	3.70E-07
3498	609381.47	4170449.86	2.19E-06	8.99E-07	3.09E-06	3.63E-07	1.57E-07	5.20E-07	2.68E-07	8.97E-08	3.58E-07
3499	609398.66	4170444.05	2.02E-06	8.32E-07	2.86E-06	3.36E-07	1.45E-07	4.81E-07	2.48E-07	8.30E-08	3.31E-07
3500	609415.86	4170438.23	1.85E-06	7.60E-07	2.61E-06	3.07E-07	1.33E-07	4.40E-07	2.27E-07	7.57E-08	3.02E-07
3501	609312.7	4170473.12	2.54E-06	1.05E-06	3.59E-06	4.22E-07	1.82E-07	6.05E-07	3.12E-07	1.04E-07	4.16E-07
3502	609305.04	4170479.06	2.60E-06	1.07E-06	3.67E-06	4.32E-07	1.86E-07	6.18E-07	3.19E-07	1.07E-07	4.25E-07
3503	609297.39	4170485.01	2.64E-06	1.09E-06	3.72E-06	4.39E-07	1.89E-07	6.28E-07	3.24E-07	1.08E-07	4.32E-07
3504	609289.73	4170490.95	2.67E-06	1.10E-06	3.76E-06	4.43E-07	1.91E-07	6.34E-07	3.27E-07	1.09E-07	4.36E-07
3505	609282.07	4170496.89	2.68E-06	1.10E-06	3.78E-06	4.45E-07	1.92E-07	6.37E-07	3.28E-07	1.10E-07	4.38E-07
3506	609266.75	4170508.78	2.65E-06	1.09E-06	3.74E-06	4.41E-07	1.90E-07	6.31E-07	3.25E-07	1.09E-07	4.34E-07
3507	609259.09	4170514.73	2.62E-06	1.08E-06	3.69E-06	4.35E-07	1.88E-07	6.23E-07	3.21E-07	1.07E-07	4.28E-07
3508	609251.43	4170520.67	2.57E-06	1.05E-06	3.62E-06	4.26E-07	1.84E-07	6.11E-07	3.15E-07	1.05E-07	4.20E-07
3509	609243.77	4170526.61	2.50E-06	1.03E-06	3.53E-06	4.15E-07	1.79E-07	5.95E-07	3.07E-07	1.03E-07	4.09E-07
3510	609236.11	4170532.56	2.42E-06	9.96E-07	3.42E-06	4.03E-07	1.74E-07	5.76E-07	2.97E-07	9.93E-08	3.96E-07
3511	609228.45	4170538.5	2.33E-06	9.59E-07	3.29E-06	3.88E-07	1.67E-07	5.55E-07	2.86E-07	9.57E-08	3.82E-07
3512	609220.79	4170544.45	2.23E-06	9.19E-07	3.15E-06	3.71E-07	1.60E-07	5.32E-07	2.74E-07	9.16E-08	3.66E-07
3513	609213.13	4170550.39	2.13E-06	8.75E-07	3.00E-06	3.53E-07	1.53E-07	5.06E-07	2.61E-07	8.72E-08	3.48E-07
3514	609205.47	4170556.33	2.02E-06	8.28E-07	2.84E-06	3.35E-07	1.45E-07	4.79E-07	2.47E-07	8.26E-08	3.30E-07
3515	609197.81	4170562.28	1.90E-06	7.81E-07	2.68E-06	3.16E-07	1.36E-07	4.52E-07	2.33E-07	7.79E-08	3.11E-07
3516	609315.65	4170462.15	2.37E-06	9.74E-07	3.34E-06	3.94E-07	1.70E-07	5.64E-07	2.91E-07	9.72E-08	3.88E-07
3517	609324.72	4170459.08	2.35E-06	9.66E-07	3.32E-06	3.90E-07	1.69E-07	5.59E-07	2.88E-07	9.63E-08	3.84E-07
3518	609333.79	4170456.01	2.32E-06	9.53E-07	3.27E-06	3.85E-07	1.66E-07	5.51E-07	2.84E-07	9.50E-08	3.79E-07
3519	609342.87	4170452.94	2.28E-06	9.36E-07	3.21E-06	3.78E-07	1.63E-07	5.42E-07	2.79E-07	9.33E-08	3.72E-07
3520	609351.94	4170449.87	2.23E-06	9.15E-07	3.14E-06	3.70E-07	1.60E-07	5.29E-07	2.73E-07	9.12E-08	3.64E-07
3521	609361.01	4170446.81	2.17E-06	8.90E-07	3.06E-06	3.60E-07	1.55E-07	5.15E-07	2.66E-07	8.88E-08	3.54E-07
3522	609370.09	4170443.74	2.10E-06	8.63E-07	2.96E-06	3.49E-07	1.51E-07	4.99E-07	2.57E-07	8.61E-08	3.43E-07
3523	609379.16	4170440.67	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.45E-07	4.82E-07	2.48E-07	8.30E-08	3.31E-07
3524	609388.23	4170437.6	1.95E-06	8.01E-07	2.75E-06	3.24E-07	1.40E-07	4.63E-07	2.39E-07	7.98E-08	3.19E-07

3525	609397.31	4170434.53	1.87E-06	7.67E-07	2.63E-06	3.10E-07	1.34E-07	4.44E-07	2.29E-07	7.65E-08	3.05E-07
3526	609406.38	4170431.46	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.24E-07	2.18E-07	7.30E-08	2.91E-07
3527	609415.46	4170428.39	1.69E-06	6.96E-07	2.39E-06	2.81E-07	1.22E-07	4.03E-07	2.08E-07	6.94E-08	2.77E-07
3528	609306.57	4170465.22	2.38E-06	9.78E-07	3.36E-06	3.95E-07	1.71E-07	5.66E-07	2.92E-07	9.75E-08	3.89E-07
3529	609298.91	4170471.16	2.43E-06	9.98E-07	3.43E-06	4.03E-07	1.74E-07	5.78E-07	2.98E-07	9.96E-08	3.97E-07
3530	609291.25	4170477.11	2.47E-06	1.01E-06	3.48E-06	4.10E-07	1.77E-07	5.87E-07	3.02E-07	1.01E-07	4.04E-07
3531	609283.6	4170483.05	2.49E-06	1.02E-06	3.52E-06	4.14E-07	1.79E-07	5.93E-07	3.06E-07	1.02E-07	4.08E-07
3532	609275.94	4170488.99	2.50E-06	1.03E-06	3.53E-06	4.16E-07	1.80E-07	5.95E-07	3.07E-07	1.03E-07	4.10E-07
3533	609268.28	4170494.94	2.50E-06	1.03E-06	3.53E-06	4.15E-07	1.79E-07	5.95E-07	3.07E-07	1.02E-07	4.09E-07
3534	609260.62	4170500.88	2.48E-06	1.02E-06	3.50E-06	4.12E-07	1.78E-07	5.91E-07	3.04E-07	1.02E-07	4.06E-07
3535	609252.96	4170506.83	2.45E-06	1.01E-06	3.46E-06	4.07E-07	1.76E-07	5.83E-07	3.01E-07	1.00E-07	4.01E-07
3536	609245.3	4170512.77	2.41E-06	9.89E-07	3.39E-06	4.00E-07	1.73E-07	5.72E-07	2.95E-07	9.86E-08	3.94E-07
3537	609237.64	4170518.71	2.35E-06	9.65E-07	3.31E-06	3.90E-07	1.68E-07	5.59E-07	2.88E-07	9.62E-08	3.84E-07
3538	609229.98	4170524.66	2.28E-06	9.37E-07	3.22E-06	3.78E-07	1.64E-07	5.42E-07	2.79E-07	9.34E-08	3.73E-07
3539	609222.32	4170530.6	2.20E-06	9.04E-07	3.10E-06	3.65E-07	1.58E-07	5.23E-07	2.70E-07	9.01E-08	3.60E-07
3540	609214.66	4170536.55	2.11E-06	8.67E-07	2.98E-06	3.51E-07	1.51E-07	5.02E-07	2.59E-07	8.65E-08	3.45E-07
3541	609207	4170542.49	2.01E-06	8.28E-07	2.84E-06	3.35E-07	1.45E-07	4.79E-07	2.47E-07	8.26E-08	3.30E-07
3542	609199.34	4170548.43	1.91E-06	7.86E-07	2.70E-06	3.18E-07	1.37E-07	4.55E-07	2.35E-07	7.84E-08	3.13E-07
3543	609191.68	4170554.38	1.81E-06	7.44E-07	2.55E-06	3.01E-07	1.30E-07	4.30E-07	2.22E-07	7.42E-08	2.96E-07
3544	609309.31	4170454.32	2.22E-06	9.14E-07	3.14E-06	3.69E-07	1.59E-07	5.29E-07	2.73E-07	9.11E-08	3.64E-07
3545	609318.18	4170451.32	2.21E-06	9.06E-07	3.11E-06	3.66E-07	1.58E-07	5.25E-07	2.70E-07	9.04E-08	3.61E-07
3546	609327.05	4170448.32	2.18E-06	8.95E-07	3.07E-06	3.62E-07	1.56E-07	5.18E-07	2.67E-07	8.93E-08	3.56E-07
3547	609335.92	4170445.32	2.14E-06	8.80E-07	3.02E-06	3.56E-07	1.54E-07	5.09E-07	2.63E-07	8.78E-08	3.50E-07
3548	609344.79	4170442.32	2.10E-06	8.62E-07	2.96E-06	3.48E-07	1.51E-07	4.99E-07	2.57E-07	8.60E-08	3.43E-07
3549	609353.66	4170439.32	2.05E-06	8.41E-07	2.89E-06	3.40E-07	1.47E-07	4.87E-07	2.51E-07	8.38E-08	3.35E-07
3550	609362.52	4170436.32	1.99E-06	8.17E-07	2.80E-06	3.30E-07	1.43E-07	4.73E-07	2.44E-07	8.15E-08	3.25E-07
3551	609371.39	4170433.32	1.92E-06	7.90E-07	2.71E-06	3.19E-07	1.38E-07	4.57E-07	2.36E-07	7.88E-08	3.15E-07
3552	609380.26	4170430.32	1.85E-06	7.62E-07	2.62E-06	3.08E-07	1.33E-07	4.41E-07	2.27E-07	7.60E-08	3.03E-07
3553	609300.44	4170457.32	2.23E-06	9.17E-07	3.15E-06	3.71E-07	1.60E-07	5.31E-07	2.73E-07	9.14E-08	3.65E-07
3554	609292.78	4170463.26	2.28E-06	9.36E-07	3.21E-06	3.78E-07	1.63E-07	5.41E-07	2.79E-07	9.33E-08	3.72E-07
3555	609285.12	4170469.21	2.31E-06	9.50E-07	3.26E-06	3.84E-07	1.66E-07	5.50E-07	2.83E-07	9.48E-08	3.78E-07
3556	609277.46	4170475.15	2.33E-06	9.60E-07	3.29E-06	3.88E-07	1.68E-07	5.55E-07	2.86E-07	9.57E-08	3.82E-07
3557	609269.81	4170481.09	2.35E-06	9.64E-07	3.31E-06	3.90E-07	1.68E-07	5.58E-07	2.88E-07	9.61E-08	3.84E-07
3558	609262.15	4170487.04	2.34E-06	9.63E-07	3.31E-06	3.89E-07	1.68E-07	5.57E-07	2.87E-07	9.61E-08	3.83E-07
3559	609254.49	4170492.98	2.33E-06	9.57E-07	3.29E-06	3.87E-07	1.67E-07	5.54E-07	2.85E-07	9.54E-08	3.81E-07
3560	609246.83	4170498.93	2.30E-06	9.46E-07	3.25E-06	3.82E-07	1.65E-07	5.47E-07	2.82E-07	9.43E-08	3.76E-07
3561	609239.17	4170504.87	2.26E-06	9.29E-07	3.19E-06	3.75E-07	1.62E-07	5.38E-07	2.77E-07	9.27E-08	3.70E-07
3562	609231.51	4170510.81	2.21E-06	9.08E-07	3.12E-06	3.67E-07	1.58E-07	5.25E-07	2.71E-07	9.05E-08	3.61E-07
3563	609223.85	4170516.76	2.15E-06	8.82E-07	3.03E-06	3.57E-07	1.54E-07	5.11E-07	2.63E-07	8.80E-08	3.51E-07
3564	609216.19	4170522.7	2.08E-06	8.53E-07	2.93E-06	3.45E-07	1.49E-07	4.94E-07	2.54E-07	8.51E-08	3.40E-07
3565	609208.53	4170528.65	2.00E-06	8.20E-07	2.82E-06	3.32E-07	1.43E-07	4.75E-07	2.45E-07	8.18E-08	3.27E-07
3566	609200.87	4170534.59	1.91E-06	7.85E-07	2.70E-06	3.17E-07	1.37E-07	4.54E-07	2.34E-07	7.83E-08	3.12E-07
3567	609193.21	4170540.53	1.82E-06	7.48E-07	2.57E-06	3.02E-07	1.31E-07	4.33E-07	2.23E-07	7.46E-08	2.98E-07
3568	609185.55	4170546.48	1.73E-06	7.09E-07	2.43E-06	2.87E-07	1.24E-07	4.10E-07	2.12E-07	7.07E-08	2.82E-07
3569	609303	4170446.48	2.09E-06	8.59E-07	2.95E-06	3.47E-07	1.50E-07	4.97E-07	2.56E-07	8.56E-08	3.42E-07
3570	609311.69	4170443.54	2.07E-06	8.52E-07	2.93E-06	3.44E-07	1.49E-07	4.93E-07	2.54E-07	8.50E-08	3.39E-07
3571	609320.39	4170440.6	2.05E-06	8.43E-07	2.89E-06	3.40E-07	1.47E-07	4.88E-07	2.51E-07	8.40E-08	3.35E-07
3572	609329.08	4170437.66	2.02E-06	8.30E-07	2.85E-06	3.35E-07	1.45E-07	4.80E-07	2.47E-07	8.27E-08	3.30E-07
3573	609337.77	4170434.72	1.98E-06	8.14E-07	2.79E-06	3.29E-07	1.42E-07	4.71E-07	2.43E-07	8.11E-08	3.24E-07
3574	609346.46	4170431.78	1.93E-06	7.95E-07	2.73E-06	3.21E-07	1.39E-07	4.60E-07	2.37E-07	7.93E-08	3.16E-07
3575	609355.15	4170428.84	1.88E-06	7.74E-07	2.66E-06	3.13E-07	1.35E-07	4.48E-07	2.31E-07	7.72E-08	3.08E-07
3576	609415.99	4170408.27	1.43E-06	5.86E-07	2.01E-06	2.37E-07	1.02E-07	3.39E-07	1.75E-07	5.84E-08	2.33E-07
3577	609294.31	4170449.42	2.10E-06	8.62E-07	2.96E-06	3.48E-07	1.50E-07	4.99E-07	2.57E-07	8.59E-08	3.43E-07
3578	609286.65	4170455.36	2.14E-06	8.79E-07	3.02E-06	3.55E-07	1.53E-07	5.09E-07	2.62E-07	8.77E-08	3.50E-07
3579	609278.99	4170461.3	2.17E-06	8.92E-07	3.06E-06	3.61E-07	1.56E-07	5.16E-07	2.66E-07	8.90E-08	3.55E-07
3580	609271.33	4170467.25	2.19E-06	9.01E-07	3.09E-06	3.64E-07	1.57E-07	5.21E-07	2.69E-07	8.99E-08	3.59E-07
3581	609263.67	4170473.19	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.03E-08	3.60E-07
3582	609256.01	4170479.14	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.02E-08	3.60E-07
3583	609248.36	4170485.08	2.19E-06	8.99E-07	3.09E-06	3.63E-07	1.57E-07	5.21E-07	2.68E-07	8.97E-08	3.58E-07
3584	609240.7	4170491.02	2.16E-06	8.89E-07	3.05E-06	3.59E-07	1.55E-07	5.15E-07	2.65E-07	8.87E-08	3.54E-07
3585	609233.04	4170496.97	2.13E-06	8.75E-07	3.00E-06	3.53E-07	1.53E-07	5.06E-07	2.61E-07	8.72E-08	3.48E-07
3586	609225.38	4170502.91	2.08E-06	8.56E-07	2.94E-06	3.46E-07	1.49E-07	4.95E-07	2.55E-07	8.53E-08	3.41E-07
3587	609217.72	4170508.86	2.03E-06	8.33E-07	2.86E-06	3.37E-07	1.45E-07	4.82E-07	2.48E-07	8.31E-08	3.32E-07

3588	609210.06	4170514.8	1.96E-06	8.07E-07	2.77E-06	3.26E-07	1.41E-07	4.67E-07	2.41E-07	8.04E-08	3.21E-07
3589	609202.4	4170520.74	1.89E-06	7.77E-07	2.67E-06	3.14E-07	1.36E-07	4.50E-07	2.32E-07	7.75E-08	3.09E-07
3590	609194.74	4170526.69	1.81E-06	7.45E-07	2.56E-06	3.01E-07	1.30E-07	4.31E-07	2.22E-07	7.43E-08	2.97E-07
3591	609187.08	4170532.63	1.73E-06	7.12E-07	2.44E-06	2.88E-07	1.24E-07	4.12E-07	2.12E-07	7.10E-08	2.83E-07
3592	609297.29	4170438.44	1.97E-06	8.08E-07	2.78E-06	3.27E-07	1.41E-07	4.68E-07	2.41E-07	8.06E-08	3.22E-07
3593	609306.39	4170435.36	1.95E-06	8.02E-07	2.75E-06	3.24E-07	1.40E-07	4.64E-07	2.39E-07	8.00E-08	3.19E-07
3594	609315.5	4170432.28	1.93E-06	7.92E-07	2.72E-06	3.20E-07	1.38E-07	4.59E-07	2.36E-07	7.90E-08	3.15E-07
3595	609324.6	4170429.2	1.90E-06	7.79E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.33E-07	7.77E-08	3.10E-07
3596	609388.34	4170407.64	1.52E-06	6.24E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.23E-08	2.49E-07
3597	609397.44	4170404.56	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.45E-07	1.78E-07	5.95E-08	2.38E-07
3598	609406.55	4170401.49	1.38E-06	5.69E-07	1.95E-06	2.30E-07	9.94E-08	3.29E-07	1.70E-07	5.68E-08	2.27E-07
3599	609415.66	4170398.41	1.32E-06	5.41E-07	1.86E-06	2.19E-07	9.45E-08	3.13E-07	1.62E-07	5.40E-08	2.15E-07
3600	609288.18	4170441.52	1.97E-06	8.11E-07	2.79E-06	3.28E-07	1.42E-07	4.70E-07	2.42E-07	8.09E-08	3.23E-07
3601	609280.52	4170447.46	2.01E-06	8.27E-07	2.84E-06	3.34E-07	1.44E-07	4.79E-07	2.47E-07	8.25E-08	3.29E-07
3602	609272.86	4170453.4	2.04E-06	8.40E-07	2.88E-06	3.39E-07	1.47E-07	4.86E-07	2.50E-07	8.37E-08	3.34E-07
3603	609265.2	4170459.35	2.06E-06	8.48E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.46E-08	3.37E-07
3604	609257.54	4170465.29	2.07E-06	8.52E-07	2.92E-06	3.44E-07	1.49E-07	4.93E-07	2.54E-07	8.50E-08	3.39E-07
3605	609249.88	4170471.24	2.07E-06	8.52E-07	2.92E-06	3.44E-07	1.49E-07	4.93E-07	2.54E-07	8.49E-08	3.39E-07
3606	609242.22	4170477.18	2.06E-06	8.47E-07	2.91E-06	3.42E-07	1.48E-07	4.90E-07	2.53E-07	8.45E-08	3.37E-07
3607	609234.57	4170483.12	2.04E-06	8.38E-07	2.88E-06	3.39E-07	1.46E-07	4.85E-07	2.50E-07	8.36E-08	3.34E-07
3608	609226.91	4170489.07	2.01E-06	8.25E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.23E-08	3.28E-07
3609	609219.25	4170495.01	1.97E-06	8.08E-07	2.77E-06	3.27E-07	1.41E-07	4.68E-07	2.41E-07	8.06E-08	3.22E-07
3610	609211.59	4170500.96	1.92E-06	7.88E-07	2.70E-06	3.18E-07	1.38E-07	4.56E-07	2.35E-07	7.86E-08	3.14E-07
3611	609203.93	4170506.9	1.86E-06	7.64E-07	2.62E-06	3.09E-07	1.33E-07	4.42E-07	2.28E-07	7.62E-08	3.04E-07
3612	609196.27	4170512.84	1.79E-06	7.37E-07	2.53E-06	2.98E-07	1.29E-07	4.27E-07	2.20E-07	7.35E-08	2.94E-07
3613	609290.97	4170430.6	1.86E-06	7.63E-07	2.62E-06	3.08E-07	1.33E-07	4.42E-07	2.28E-07	7.61E-08	3.04E-07
3614	609299.9	4170427.58	1.84E-06	7.57E-07	2.60E-06	3.06E-07	1.32E-07	4.38E-07	2.26E-07	7.55E-08	3.01E-07
3615	609362.37	4170406.45	1.57E-06	6.47E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.45E-08	2.57E-07
3616	609371.29	4170403.44	1.52E-06	6.24E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.22E-08	2.48E-07
3617	609380.22	4170400.42	1.46E-06	6.00E-07	2.06E-06	2.42E-07	1.05E-07	3.47E-07	1.79E-07	5.98E-08	2.39E-07
3618	609389.14	4170397.4	1.40E-06	5.75E-07	1.97E-06	2.32E-07	1.00E-07	3.33E-07	1.72E-07	5.74E-08	2.29E-07
3619	609398.07	4170394.38	1.34E-06	5.50E-07	1.89E-06	2.22E-07	9.60E-08	3.18E-07	1.64E-07	5.49E-08	2.19E-07
3620	609406.99	4170391.36	1.28E-06	5.25E-07	1.80E-06	2.12E-07	9.17E-08	3.04E-07	1.57E-07	5.24E-08	2.09E-07
3621	609415.91	4170388.34	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.73E-08	2.89E-07	1.49E-07	4.99E-08	1.99E-07
3622	609282.05	4170433.62	1.86E-06	7.66E-07	2.63E-06	3.10E-07	1.34E-07	4.43E-07	2.28E-07	7.64E-08	3.05E-07
3623	609274.39	4170439.56	1.90E-06	7.80E-07	2.68E-06	3.15E-07	1.36E-07	4.52E-07	2.33E-07	7.78E-08	3.11E-07
3624	609266.73	4170445.5	1.93E-06	7.92E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.90E-08	3.15E-07
3625	609259.07	4170451.45	1.94E-06	7.99E-07	2.74E-06	3.23E-07	1.40E-07	4.63E-07	2.38E-07	7.97E-08	3.18E-07
3626	609251.41	4170457.39	1.95E-06	8.03E-07	2.76E-06	3.25E-07	1.40E-07	4.65E-07	2.40E-07	8.01E-08	3.20E-07
3627	609243.75	4170463.34	1.95E-06	8.03E-07	2.76E-06	3.25E-07	1.40E-07	4.65E-07	2.40E-07	8.01E-08	3.20E-07
3628	609236.09	4170469.28	1.94E-06	7.99E-07	2.74E-06	3.23E-07	1.40E-07	4.62E-07	2.38E-07	7.97E-08	3.18E-07
3629	609228.43	4170475.22	1.93E-06	7.91E-07	2.72E-06	3.20E-07	1.38E-07	4.58E-07	2.36E-07	7.89E-08	3.15E-07
3630	609220.78	4170481.17	1.90E-06	7.80E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.33E-07	7.78E-08	3.10E-07
3631	609213.12	4170487.11	1.86E-06	7.65E-07	2.62E-06	3.09E-07	1.33E-07	4.42E-07	2.28E-07	7.62E-08	3.04E-07
3632	609167.16	4170522.78	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.58E-07	1.84E-07	6.16E-08	2.46E-07
3633	609337.27	4170404.97	1.59E-06	6.55E-07	2.25E-06	2.65E-07	1.14E-07	3.79E-07	1.95E-07	6.54E-08	2.61E-07
3634	609346.03	4170402	1.55E-06	6.37E-07	2.19E-06	2.58E-07	1.11E-07	3.69E-07	1.90E-07	6.36E-08	2.54E-07
3635	609354.8	4170399.04	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.58E-07	1.84E-07	6.16E-08	2.46E-07
3636	609363.56	4170396.08	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.46E-07	1.78E-07	5.96E-08	2.38E-07
3637	609372.33	4170393.11	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.33E-07	1.72E-07	5.74E-08	2.29E-07
3638	609381.09	4170390.15	1.35E-06	5.54E-07	1.90E-06	2.24E-07	9.67E-08	3.20E-07	1.65E-07	5.52E-08	2.20E-07
3639	609389.86	4170387.18	1.29E-06	5.31E-07	1.82E-06	2.15E-07	9.27E-08	3.07E-07	1.58E-07	5.30E-08	2.11E-07
3640	609398.62	4170384.22	1.24E-06	5.08E-07	1.74E-06	2.05E-07	8.87E-08	2.94E-07	1.52E-07	5.07E-08	2.02E-07
3641	609407.39	4170381.26	1.18E-06	4.85E-07	1.67E-06	1.96E-07	8.48E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
3642	609416.15	4170378.29	1.13E-06	4.63E-07	1.59E-06	1.87E-07	8.08E-08	2.68E-07	1.38E-07	4.62E-08	1.84E-07
3643	609268.26	4170431.66	1.79E-06	7.37E-07	2.53E-06	2.98E-07	1.29E-07	4.27E-07	2.20E-07	7.35E-08	2.94E-07
3644	609260.6	4170437.6	1.82E-06	7.48E-07	2.57E-06	3.02E-07	1.31E-07	4.33E-07	2.23E-07	7.46E-08	2.98E-07
3645	609252.94	4170443.55	1.84E-06	7.55E-07	2.59E-06	3.05E-07	1.32E-07	4.37E-07	2.25E-07	7.53E-08	3.01E-07
3646	609245.28	4170449.49	1.85E-06	7.59E-07	2.60E-06	3.07E-07	1.32E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
3647	609237.62	4170455.44	1.85E-06	7.59E-07	2.61E-06	3.07E-07	1.32E-07	4.39E-07	2.26E-07	7.57E-08	3.02E-07
3648	609229.96	4170461.38	1.84E-06	7.55E-07	2.59E-06	3.05E-07	1.32E-07	4.37E-07	2.25E-07	7.53E-08	3.01E-07
3649	609222.3	4170467.32	1.82E-06	7.48E-07	2.57E-06	3.02E-07	1.31E-07	4.33E-07	2.23E-07	7.46E-08	2.98E-07
3650	609214.64	4170473.27	1.80E-06	7.38E-07	2.53E-06	2.98E-07	1.29E-07	4.27E-07	2.20E-07	7.36E-08	2.94E-07

3651	609168.69	4170508.93	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.57E-07	1.84E-07	6.16E-08	2.46E-07
3652	609161.03	4170514.88	1.44E-06	5.91E-07	2.03E-06	2.39E-07	1.03E-07	3.42E-07	1.76E-07	5.90E-08	2.35E-07
3653	609306.31	4170405.47	1.61E-06	6.60E-07	2.27E-06	2.67E-07	1.15E-07	3.82E-07	1.97E-07	6.59E-08	2.63E-07
3654	609315.44	4170402.38	1.58E-06	6.48E-07	2.22E-06	2.62E-07	1.13E-07	3.75E-07	1.93E-07	6.46E-08	2.58E-07
3655	609324.57	4170399.29	1.54E-06	6.34E-07	2.18E-06	2.56E-07	1.11E-07	3.67E-07	1.89E-07	6.32E-08	2.52E-07
3656	609333.7	4170396.2	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.57E-07	1.84E-07	6.16E-08	2.46E-07
3657	609342.83	4170393.12	1.46E-06	6.00E-07	2.06E-06	2.42E-07	1.05E-07	3.47E-07	1.79E-07	5.98E-08	2.39E-07
3658	609351.96	4170390.03	1.41E-06	5.81E-07	1.99E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.79E-08	2.31E-07
3659	609361.08	4170386.94	1.36E-06	5.61E-07	1.93E-06	2.27E-07	9.79E-08	3.25E-07	1.67E-07	5.59E-08	2.23E-07
3660	609370.21	4170383.85	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.43E-08	3.12E-07	1.61E-07	5.38E-08	2.15E-07
3661	609379.34	4170380.77	1.26E-06	5.18E-07	1.78E-06	2.10E-07	9.05E-08	3.00E-07	1.55E-07	5.17E-08	2.06E-07
3662	609388.47	4170377.68	1.21E-06	4.97E-07	1.70E-06	2.01E-07	8.67E-08	2.87E-07	1.48E-07	4.95E-08	1.98E-07
3663	609397.6	4170374.59	1.15E-06	4.74E-07	1.63E-06	1.92E-07	8.28E-08	2.75E-07	1.42E-07	4.73E-08	1.89E-07
3664	609406.73	4170371.5	1.10E-06	4.53E-07	1.55E-06	1.83E-07	7.90E-08	2.62E-07	1.35E-07	4.51E-08	1.80E-07
3665	609415.86	4170368.42	1.05E-06	4.31E-07	1.48E-06	1.74E-07	7.52E-08	2.49E-07	1.29E-07	4.30E-08	1.72E-07
3666	609254.47	4170429.7	1.72E-06	7.08E-07	2.43E-06	2.86E-07	1.24E-07	4.10E-07	2.11E-07	7.06E-08	2.82E-07
3667	609246.81	4170435.65	1.74E-06	7.14E-07	2.45E-06	2.89E-07	1.25E-07	4.13E-07	2.13E-07	7.12E-08	2.84E-07
3668	609239.15	4170441.59	1.75E-06	7.18E-07	2.46E-06	2.90E-07	1.25E-07	4.15E-07	2.14E-07	7.16E-08	2.86E-07
3669	609231.49	4170447.54	1.75E-06	7.18E-07	2.47E-06	2.90E-07	1.25E-07	4.16E-07	2.14E-07	7.16E-08	2.86E-07
3670	609223.83	4170453.48	1.74E-06	7.15E-07	2.46E-06	2.89E-07	1.25E-07	4.14E-07	2.13E-07	7.13E-08	2.85E-07
3671	609216.17	4170459.42	1.73E-06	7.09E-07	2.43E-06	2.87E-07	1.24E-07	4.10E-07	2.12E-07	7.07E-08	2.82E-07
3672	609208.51	4170465.37	1.70E-06	7.00E-07	2.40E-06	2.83E-07	1.22E-07	4.05E-07	2.09E-07	6.98E-08	2.79E-07
3673	609177.88	4170489.14	1.54E-06	6.35E-07	2.18E-06	2.57E-07	1.11E-07	3.67E-07	1.89E-07	6.33E-08	2.53E-07
3674	609170.22	4170495.09	1.49E-06	6.13E-07	2.11E-06	2.48E-07	1.07E-07	3.55E-07	1.83E-07	6.12E-08	2.44E-07
3675	609162.56	4170501.03	1.44E-06	5.90E-07	2.03E-06	2.39E-07	1.03E-07	3.42E-07	1.76E-07	5.89E-08	2.35E-07
3676	609154.9	4170506.98	1.38E-06	5.66E-07	1.94E-06	2.29E-07	9.89E-08	3.28E-07	1.69E-07	5.65E-08	2.25E-07
3677	609281.59	4170403.85	1.57E-06	6.43E-07	2.21E-06	2.60E-07	1.12E-07	3.72E-07	1.92E-07	6.42E-08	2.56E-07
3678	609290.56	4170400.82	1.55E-06	6.37E-07	2.19E-06	2.57E-07	1.11E-07	3.68E-07	1.90E-07	6.35E-08	2.53E-07
3679	609299.53	4170397.79	1.53E-06	6.28E-07	2.15E-06	2.54E-07	1.10E-07	3.63E-07	1.87E-07	6.26E-08	2.50E-07
3680	609308.49	4170394.75	1.50E-06	6.17E-07	2.12E-06	2.49E-07	1.08E-07	3.57E-07	1.84E-07	6.15E-08	2.45E-07
3681	609317.46	4170391.72	1.47E-06	6.04E-07	2.07E-06	2.44E-07	1.05E-07	3.50E-07	1.80E-07	6.02E-08	2.40E-07
3682	609326.43	4170388.69	1.43E-06	5.90E-07	2.02E-06	2.38E-07	1.03E-07	3.41E-07	1.76E-07	5.88E-08	2.35E-07
3683	609335.4	4170385.65	1.40E-06	5.74E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
3684	609344.36	4170382.62	1.35E-06	5.57E-07	1.91E-06	2.25E-07	9.72E-08	3.22E-07	1.66E-07	5.55E-08	2.22E-07
3685	609353.33	4170379.59	1.31E-06	5.39E-07	1.85E-06	2.18E-07	9.40E-08	3.12E-07	1.61E-07	5.37E-08	2.14E-07
3686	609362.3	4170376.56	1.26E-06	5.20E-07	1.78E-06	2.10E-07	9.07E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
3687	609371.27	4170373.52	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.73E-08	2.89E-07	1.49E-07	4.99E-08	1.99E-07
3688	609380.23	4170370.49	1.17E-06	4.80E-07	1.65E-06	1.94E-07	8.39E-08	2.78E-07	1.43E-07	4.79E-08	1.91E-07
3689	609389.2	4170367.46	1.12E-06	4.60E-07	1.58E-06	1.86E-07	8.04E-08	2.66E-07	1.37E-07	4.59E-08	1.83E-07
3690	609398.17	4170364.43	1.07E-06	4.40E-07	1.51E-06	1.78E-07	7.69E-08	2.55E-07	1.31E-07	4.39E-08	1.75E-07
3691	609407.14	4170361.39	1.02E-06	4.20E-07	1.44E-06	1.70E-07	7.34E-08	2.43E-07	1.25E-07	4.19E-08	1.67E-07
3692	609416.1	4170358.36	9.75E-07	4.01E-07	1.38E-06	1.62E-07	7.00E-08	2.32E-07	1.20E-07	4.00E-08	1.60E-07
3693	609240.68	4170427.75	1.65E-06	6.77E-07	2.32E-06	2.74E-07	1.18E-07	3.92E-07	2.02E-07	6.75E-08	2.69E-07
3694	609233.02	4170433.69	1.66E-06	6.80E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
3695	609225.36	4170439.64	1.66E-06	6.81E-07	2.34E-06	2.75E-07	1.19E-07	3.94E-07	2.03E-07	6.79E-08	2.71E-07
3696	609217.7	4170445.58	1.65E-06	6.78E-07	2.33E-06	2.74E-07	1.18E-07	3.93E-07	2.02E-07	6.76E-08	2.70E-07
3697	609210.04	4170451.52	1.64E-06	6.73E-07	2.31E-06	2.72E-07	1.17E-07	3.89E-07	2.01E-07	6.71E-08	2.68E-07
3698	609179.4	4170475.3	1.52E-06	6.24E-07	2.14E-06	2.52E-07	1.09E-07	3.61E-07	1.86E-07	6.22E-08	2.48E-07
3699	609171.75	4170481.24	1.47E-06	6.06E-07	2.08E-06	2.45E-07	1.06E-07	3.50E-07	1.81E-07	6.04E-08	2.41E-07
3700	609164.09	4170487.19	1.43E-06	5.86E-07	2.01E-06	2.37E-07	1.02E-07	3.39E-07	1.75E-07	5.85E-08	2.33E-07
3701	609156.43	4170493.13	1.37E-06	5.65E-07	1.94E-06	2.28E-07	9.87E-08	3.27E-07	1.69E-07	5.64E-08	2.25E-07
3702	609148.77	4170499.08	1.32E-06	5.43E-07	1.86E-06	2.20E-07	9.48E-08	3.14E-07	1.62E-07	5.42E-08	2.16E-07
3703	609266.35	4170399.03	1.50E-06	6.15E-07	2.11E-06	2.49E-07	1.07E-07	3.56E-07	1.84E-07	6.14E-08	2.45E-07
3704	609275.17	4170396.05	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.82E-07	6.10E-08	2.43E-07
3705	609283.99	4170393.07	1.47E-06	6.05E-07	2.08E-06	2.45E-07	1.06E-07	3.50E-07	1.81E-07	6.04E-08	2.41E-07
3706	609292.81	4170390.08	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.46E-07	1.78E-07	5.96E-08	2.38E-07
3707	609301.64	4170387.1	1.43E-06	5.87E-07	2.02E-06	2.37E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
3708	609310.46	4170384.11	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.33E-07	1.72E-07	5.74E-08	2.29E-07
3709	609319.28	4170381.13	1.37E-06	5.63E-07	1.93E-06	2.28E-07	9.83E-08	3.26E-07	1.68E-07	5.62E-08	2.24E-07
3710	609328.1	4170378.15	1.34E-06	5.49E-07	1.88E-06	2.22E-07	9.58E-08	3.18E-07	1.64E-07	5.47E-08	2.18E-07
3711	609336.93	4170375.16	1.30E-06	5.33E-07	1.83E-06	2.16E-07	9.31E-08	3.09E-07	1.59E-07	5.32E-08	2.12E-07
3712	609345.75	4170372.18	1.26E-06	5.17E-07	1.78E-06	2.09E-07	9.03E-08	2.99E-07	1.54E-07	5.16E-08	2.06E-07
3713	609354.57	4170369.2	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.73E-08	2.89E-07	1.49E-07	4.99E-08	1.99E-07

3714	609363.39	4170366.21	1.17E-06	4.82E-07	1.66E-06	1.95E-07	8.42E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
3715	609372.21	4170363.23	1.13E-06	4.64E-07	1.59E-06	1.88E-07	8.11E-08	2.69E-07	1.39E-07	4.63E-08	1.85E-07
3716	609381.04	4170360.25	1.09E-06	4.46E-07	1.53E-06	1.80E-07	7.79E-08	2.58E-07	1.33E-07	4.45E-08	1.78E-07
3717	609389.86	4170357.26	1.04E-06	4.28E-07	1.47E-06	1.73E-07	7.47E-08	2.48E-07	1.28E-07	4.27E-08	1.70E-07
3718	609398.68	4170354.28	9.96E-07	4.10E-07	1.41E-06	1.66E-07	7.15E-08	2.37E-07	1.22E-07	4.08E-08	1.63E-07
3719	609407.5	4170351.3	9.53E-07	3.92E-07	1.34E-06	1.58E-07	6.84E-08	2.27E-07	1.17E-07	3.90E-08	1.56E-07
3720	609416.32	4170348.31	9.09E-07	3.74E-07	1.28E-06	1.51E-07	6.52E-08	2.16E-07	1.11E-07	3.73E-08	1.49E-07
3721	609257.53	4170402.02	1.50E-06	6.18E-07	2.12E-06	2.50E-07	1.08E-07	3.57E-07	1.84E-07	6.16E-08	2.46E-07
3722	609226.89	4170425.79	1.57E-06	6.46E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.44E-08	2.57E-07
3723	609219.23	4170431.74	1.57E-06	6.46E-07	2.22E-06	2.61E-07	1.13E-07	3.74E-07	1.93E-07	6.45E-08	2.57E-07
3724	609211.57	4170437.68	1.57E-06	6.44E-07	2.21E-06	2.60E-07	1.12E-07	3.73E-07	1.92E-07	6.42E-08	2.56E-07
3725	609180.93	4170461.46	1.48E-06	6.09E-07	2.09E-06	2.46E-07	1.06E-07	3.53E-07	1.82E-07	6.08E-08	2.42E-07
3726	609173.27	4170467.4	1.45E-06	5.95E-07	2.04E-06	2.40E-07	1.04E-07	3.44E-07	1.77E-07	5.93E-08	2.37E-07
3727	609165.61	4170473.34	1.41E-06	5.78E-07	1.99E-06	2.34E-07	1.01E-07	3.35E-07	1.73E-07	5.77E-08	2.30E-07
3728	609157.95	4170479.29	1.36E-06	5.61E-07	1.92E-06	2.27E-07	9.79E-08	3.24E-07	1.67E-07	5.59E-08	2.23E-07
3729	609150.3	4170485.23	1.32E-06	5.41E-07	1.86E-06	2.19E-07	9.45E-08	3.13E-07	1.62E-07	5.40E-08	2.15E-07
3730	609142.64	4170491.18	1.27E-06	5.21E-07	1.79E-06	2.11E-07	9.10E-08	3.02E-07	1.55E-07	5.20E-08	2.07E-07
3731	609260.54	4170391.02	1.42E-06	5.85E-07	2.01E-06	2.37E-07	1.02E-07	3.39E-07	1.75E-07	5.84E-08	2.33E-07
3732	609269.69	4170387.93	1.41E-06	5.81E-07	2.00E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.80E-08	2.31E-07
3733	609278.84	4170384.83	1.40E-06	5.75E-07	1.97E-06	2.32E-07	1.00E-07	3.33E-07	1.72E-07	5.74E-08	2.29E-07
3734	609287.99	4170381.74	1.38E-06	5.67E-07	1.95E-06	2.29E-07	9.90E-08	3.28E-07	1.69E-07	5.66E-08	2.26E-07
3735	609297.14	4170378.65	1.36E-06	5.58E-07	1.91E-06	2.25E-07	9.74E-08	3.23E-07	1.66E-07	5.56E-08	2.22E-07
3736	609306.29	4170375.55	1.33E-06	5.46E-07	1.88E-06	2.21E-07	9.54E-08	3.16E-07	1.63E-07	5.45E-08	2.17E-07
3737	609315.44	4170372.46	1.30E-06	5.34E-07	1.83E-06	2.16E-07	9.32E-08	3.09E-07	1.59E-07	5.32E-08	2.12E-07
3738	609324.59	4170369.36	1.26E-06	5.20E-07	1.78E-06	2.10E-07	9.07E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
3739	609333.74	4170366.27	1.23E-06	5.05E-07	1.73E-06	2.04E-07	8.81E-08	2.92E-07	1.51E-07	5.03E-08	2.01E-07
3740	609342.88	4170363.18	1.19E-06	4.89E-07	1.68E-06	1.98E-07	8.53E-08	2.83E-07	1.46E-07	4.87E-08	1.95E-07
3741	609352.03	4170360.08	1.15E-06	4.72E-07	1.62E-06	1.91E-07	8.24E-08	2.73E-07	1.41E-07	4.71E-08	1.88E-07
3742	609361.18	4170356.99	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.94E-08	2.63E-07	1.36E-07	4.54E-08	1.81E-07
3743	609370.33	4170353.89	1.06E-06	4.37E-07	1.50E-06	1.77E-07	7.64E-08	2.53E-07	1.30E-07	4.36E-08	1.74E-07
3744	609379.48	4170350.8	1.02E-06	4.20E-07	1.44E-06	1.70E-07	7.33E-08	2.43E-07	1.25E-07	4.19E-08	1.67E-07
3745	609388.63	4170347.7	9.78E-07	4.02E-07	1.38E-06	1.62E-07	7.02E-08	2.33E-07	1.20E-07	4.01E-08	1.60E-07
3746	609397.78	4170344.61	9.35E-07	3.84E-07	1.32E-06	1.55E-07	6.71E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
3747	609406.93	4170341.52	8.93E-07	3.67E-07	1.26E-06	1.48E-07	6.41E-08	2.12E-07	1.10E-07	3.66E-08	1.46E-07
3748	609416.08	4170338.42	8.52E-07	3.50E-07	1.20E-06	1.41E-07	6.11E-08	2.03E-07	1.04E-07	3.49E-08	1.39E-07
3749	609251.4	4170394.12	1.43E-06	5.87E-07	2.02E-06	2.37E-07	1.03E-07	3.40E-07	1.75E-07	5.86E-08	2.34E-07
3750	609243.74	4170400.06	1.45E-06	5.97E-07	2.05E-06	2.41E-07	1.04E-07	3.46E-07	1.78E-07	5.96E-08	2.38E-07
3751	609236.08	4170406	1.47E-06	6.05E-07	2.08E-06	2.45E-07	1.06E-07	3.50E-07	1.81E-07	6.04E-08	2.41E-07
3752	609182.46	4170447.61	1.44E-06	5.92E-07	2.03E-06	2.39E-07	1.03E-07	3.43E-07	1.77E-07	5.91E-08	2.36E-07
3753	609174.8	4170453.56	1.41E-06	5.81E-07	1.99E-06	2.35E-07	1.01E-07	3.36E-07	1.73E-07	5.79E-08	2.31E-07
3754	609167.14	4170459.5	1.38E-06	5.68E-07	1.95E-06	2.29E-07	9.91E-08	3.29E-07	1.69E-07	5.66E-08	2.26E-07
3755	609159.48	4170465.44	1.35E-06	5.53E-07	1.90E-06	2.23E-07	9.66E-08	3.20E-07	1.65E-07	5.52E-08	2.20E-07
3756	609151.82	4170471.39	1.31E-06	5.37E-07	1.84E-06	2.17E-07	9.37E-08	3.11E-07	1.60E-07	5.35E-08	2.14E-07
3757	609144.16	4170477.33	1.26E-06	5.19E-07	1.78E-06	2.10E-07	9.06E-08	3.00E-07	1.55E-07	5.18E-08	2.07E-07
3758	609136.51	4170483.28	1.22E-06	5.01E-07	1.72E-06	2.02E-07	8.74E-08	2.90E-07	1.49E-07	4.99E-08	1.99E-07
3759	609254.27	4170383.17	1.36E-06	5.58E-07	1.91E-06	2.25E-07	9.73E-08	3.23E-07	1.66E-07	5.56E-08	2.22E-07
3760	609263.27	4170380.13	1.35E-06	5.54E-07	1.90E-06	2.24E-07	9.67E-08	3.20E-07	1.65E-07	5.52E-08	2.20E-07
3761	609272.27	4170377.08	1.33E-06	5.48E-07	1.88E-06	2.22E-07	9.57E-08	3.17E-07	1.64E-07	5.47E-08	2.18E-07
3762	609281.27	4170374.04	1.32E-06	5.41E-07	1.86E-06	2.19E-07	9.45E-08	3.13E-07	1.61E-07	5.40E-08	2.15E-07
3763	609290.27	4170370.99	1.30E-06	5.33E-07	1.83E-06	2.15E-07	9.30E-08	3.08E-07	1.59E-07	5.31E-08	2.12E-07
3764	609299.28	4170367.95	1.27E-06	5.23E-07	1.79E-06	2.11E-07	9.12E-08	3.02E-07	1.56E-07	5.21E-08	2.08E-07
3765	609308.28	4170364.91	1.24E-06	5.11E-07	1.75E-06	2.07E-07	8.92E-08	2.96E-07	1.52E-07	5.10E-08	2.03E-07
3766	609317.28	4170361.86	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.70E-08	2.88E-07	1.49E-07	4.97E-08	1.98E-07
3767	609326.28	4170358.82	1.18E-06	4.85E-07	1.66E-06	1.96E-07	8.47E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
3768	609335.28	4170355.77	1.14E-06	4.70E-07	1.61E-06	1.90E-07	8.21E-08	2.72E-07	1.40E-07	4.69E-08	1.87E-07
3769	609344.28	4170352.73	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.95E-08	2.63E-07	1.36E-07	4.54E-08	1.81E-07
3770	609353.29	4170349.68	1.07E-06	4.40E-07	1.51E-06	1.78E-07	7.68E-08	2.54E-07	1.31E-07	4.38E-08	1.75E-07
3771	609362.29	4170346.64	1.03E-06	4.24E-07	1.45E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.23E-08	1.69E-07
3772	609371.29	4170343.59	9.91E-07	4.08E-07	1.40E-06	1.65E-07	7.11E-08	2.36E-07	1.22E-07	4.06E-08	1.62E-07
3773	609380.29	4170340.55	9.52E-07	3.91E-07	1.34E-06	1.58E-07	6.83E-08	2.26E-07	1.17E-07	3.90E-08	1.56E-07
3774	609389.29	4170337.51	9.13E-07	3.75E-07	1.29E-06	1.52E-07	6.55E-08	2.17E-07	1.12E-07	3.74E-08	1.49E-07
3775	609398.3	4170334.46	8.73E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
3776	609407.3	4170331.42	8.35E-07	3.43E-07	1.18E-06	1.39E-07	5.99E-08	1.99E-07	1.02E-07	3.42E-08	1.37E-07

3777	609416.3	4170328.37	7.97E-07	3.28E-07	1.13E-06	1.32E-07	5.72E-08	1.90E-07	9.78E-08	3.27E-08	1.30E-07
3778	609245.26	4170386.22	1.36E-06	5.60E-07	1.92E-06	2.26E-07	9.77E-08	3.24E-07	1.67E-07	5.58E-08	2.23E-07
3779	609237.61	4170392.16	1.38E-06	5.69E-07	1.95E-06	2.30E-07	9.93E-08	3.29E-07	1.70E-07	5.67E-08	2.26E-07
3780	609229.95	4170398.1	1.40E-06	5.76E-07	1.98E-06	2.33E-07	1.01E-07	3.33E-07	1.72E-07	5.75E-08	2.29E-07
3781	609222.29	4170404.05	1.41E-06	5.81E-07	2.00E-06	2.35E-07	1.02E-07	3.36E-07	1.73E-07	5.80E-08	2.31E-07
3782	609183.99	4170433.77	1.39E-06	5.73E-07	1.97E-06	2.32E-07	1.00E-07	3.32E-07	1.71E-07	5.72E-08	2.28E-07
3783	609176.33	4170439.71	1.37E-06	5.65E-07	1.94E-06	2.28E-07	9.86E-08	3.27E-07	1.69E-07	5.63E-08	2.25E-07
3784	609168.67	4170445.66	1.35E-06	5.55E-07	1.90E-06	2.24E-07	9.69E-08	3.21E-07	1.65E-07	5.53E-08	2.21E-07
3785	609161.01	4170451.6	1.32E-06	5.43E-07	1.86E-06	2.19E-07	9.48E-08	3.14E-07	1.62E-07	5.41E-08	2.16E-07
3786	609153.35	4170457.54	1.29E-06	5.29E-07	1.82E-06	2.14E-07	9.24E-08	3.06E-07	1.58E-07	5.28E-08	2.11E-07
3787	609145.69	4170463.49	1.25E-06	5.14E-07	1.77E-06	2.08E-07	8.98E-08	2.98E-07	1.53E-07	5.13E-08	2.05E-07
3788	609138.03	4170469.43	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.70E-08	2.88E-07	1.49E-07	4.97E-08	1.98E-07
3789	609130.37	4170475.38	1.17E-06	4.81E-07	1.65E-06	1.94E-07	8.40E-08	2.78E-07	1.44E-07	4.80E-08	1.91E-07
3790	609248	4170375.32	1.29E-06	5.32E-07	1.83E-06	2.15E-07	9.29E-08	3.08E-07	1.59E-07	5.30E-08	2.12E-07
3791	609256.87	4170372.32	1.29E-06	5.28E-07	1.81E-06	2.14E-07	9.22E-08	3.06E-07	1.58E-07	5.27E-08	2.10E-07
3792	609265.74	4170369.32	1.27E-06	5.23E-07	1.80E-06	2.12E-07	9.14E-08	3.03E-07	1.56E-07	5.22E-08	2.08E-07
3793	609274.61	4170366.32	1.26E-06	5.17E-07	1.77E-06	2.09E-07	9.03E-08	2.99E-07	1.54E-07	5.16E-08	2.06E-07
3794	609283.48	4170363.32	1.24E-06	5.09E-07	1.75E-06	2.06E-07	8.89E-08	2.95E-07	1.52E-07	5.08E-08	2.03E-07
3795	609292.35	4170360.32	1.22E-06	5.00E-07	1.72E-06	2.02E-07	8.73E-08	2.89E-07	1.49E-07	4.99E-08	1.99E-07
3796	609301.22	4170357.32	1.19E-06	4.90E-07	1.68E-06	1.98E-07	8.55E-08	2.83E-07	1.46E-07	4.88E-08	1.95E-07
3797	609310.08	4170354.32	1.16E-06	4.78E-07	1.64E-06	1.93E-07	8.35E-08	2.77E-07	1.43E-07	4.77E-08	1.90E-07
3798	609318.95	4170351.32	1.13E-06	4.66E-07	1.60E-06	1.88E-07	8.14E-08	2.70E-07	1.39E-07	4.65E-08	1.85E-07
3799	609327.82	4170348.32	1.10E-06	4.53E-07	1.55E-06	1.83E-07	7.91E-08	2.62E-07	1.35E-07	4.52E-08	1.80E-07
3800	609336.69	4170345.32	1.07E-06	4.39E-07	1.51E-06	1.77E-07	7.67E-08	2.54E-07	1.31E-07	4.38E-08	1.75E-07
3801	609345.56	4170342.32	1.03E-06	4.25E-07	1.46E-06	1.72E-07	7.42E-08	2.46E-07	1.27E-07	4.24E-08	1.69E-07
3802	609354.43	4170339.32	9.98E-07	4.10E-07	1.41E-06	1.66E-07	7.16E-08	2.37E-07	1.22E-07	4.09E-08	1.63E-07
3803	609363.3	4170336.32	9.62E-07	3.95E-07	1.36E-06	1.60E-07	6.90E-08	2.29E-07	1.18E-07	3.94E-08	1.57E-07
3804	609372.17	4170333.33	9.26E-07	3.80E-07	1.31E-06	1.54E-07	6.64E-08	2.20E-07	1.13E-07	3.79E-08	1.51E-07
3805	609381.03	4170330.33	8.89E-07	3.66E-07	1.25E-06	1.48E-07	6.38E-08	2.12E-07	1.09E-07	3.65E-08	1.45E-07
3806	609389.9	4170327.33	8.53E-07	3.51E-07	1.20E-06	1.42E-07	6.12E-08	2.03E-07	1.05E-07	3.50E-08	1.40E-07
3807	609398.77	4170324.33	8.17E-07	3.36E-07	1.15E-06	1.36E-07	5.87E-08	1.94E-07	1.00E-07	3.35E-08	1.34E-07
3808	609407.64	4170321.33	7.82E-07	3.22E-07	1.10E-06	1.30E-07	5.61E-08	1.86E-07	9.59E-08	3.21E-08	1.28E-07
3809	609416.51	4170318.33	7.48E-07	3.08E-07	1.06E-06	1.24E-07	5.37E-08	1.78E-07	9.17E-08	3.07E-08	1.22E-07
3810	609239.13	4170378.32	1.30E-06	5.34E-07	1.83E-06	2.16E-07	9.32E-08	3.09E-07	1.59E-07	5.32E-08	2.12E-07
3811	609231.47	4170384.26	1.32E-06	5.42E-07	1.86E-06	2.19E-07	9.47E-08	3.14E-07	1.62E-07	5.41E-08	2.16E-07
3812	609223.81	4170390.2	1.34E-06	5.49E-07	1.89E-06	2.22E-07	9.59E-08	3.18E-07	1.64E-07	5.48E-08	2.19E-07
3813	609216.16	4170396.15	1.35E-06	5.54E-07	1.90E-06	2.24E-07	9.67E-08	3.21E-07	1.65E-07	5.53E-08	2.21E-07
3814	609208.5	4170402.09	1.36E-06	5.57E-07	1.91E-06	2.25E-07	9.72E-08	3.22E-07	1.66E-07	5.55E-08	2.22E-07
3815	609177.86	4170425.87	1.33E-06	5.47E-07	1.88E-06	2.21E-07	9.55E-08	3.17E-07	1.63E-07	5.46E-08	2.18E-07
3816	609170.2	4170431.81	1.31E-06	5.40E-07	1.85E-06	2.18E-07	9.42E-08	3.12E-07	1.61E-07	5.38E-08	2.15E-07
3817	609162.54	4170437.76	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.26E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
3818	609154.88	4170443.7	1.26E-06	5.20E-07	1.78E-06	2.10E-07	9.07E-08	3.01E-07	1.55E-07	5.18E-08	2.07E-07
3819	609147.22	4170449.64	1.23E-06	5.07E-07	1.74E-06	2.05E-07	8.85E-08	2.93E-07	1.51E-07	5.06E-08	2.02E-07
3820	609139.56	4170455.59	1.20E-06	4.93E-07	1.69E-06	1.99E-07	8.61E-08	2.86E-07	1.47E-07	4.92E-08	1.96E-07
3821	609131.9	4170461.53	1.16E-06	4.79E-07	1.64E-06	1.93E-07	8.35E-08	2.77E-07	1.43E-07	4.77E-08	1.90E-07
3822	609124.24	4170467.48	1.13E-06	4.63E-07	1.59E-06	1.87E-07	8.08E-08	2.68E-07	1.38E-07	4.62E-08	1.84E-07
3823	609242.17	4170367.32	1.24E-06	5.08E-07	1.74E-06	2.05E-07	8.87E-08	2.94E-07	1.51E-07	5.06E-08	2.02E-07
3824	609251.33	4170364.22	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.81E-08	2.92E-07	1.50E-07	5.03E-08	2.01E-07
3825	609260.5	4170361.12	1.22E-06	4.99E-07	1.71E-06	2.02E-07	8.72E-08	2.89E-07	1.49E-07	4.98E-08	1.99E-07
3826	609269.66	4170358.02	1.20E-06	4.93E-07	1.69E-06	1.99E-07	8.61E-08	2.85E-07	1.47E-07	4.92E-08	1.96E-07
3827	609278.82	4170354.92	1.18E-06	4.85E-07	1.67E-06	1.96E-07	8.48E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
3828	609287.99	4170351.82	1.16E-06	4.76E-07	1.64E-06	1.93E-07	8.32E-08	2.76E-07	1.42E-07	4.75E-08	1.90E-07
3829	609297.15	4170348.72	1.13E-06	4.66E-07	1.60E-06	1.88E-07	8.14E-08	2.70E-07	1.39E-07	4.65E-08	1.86E-07
3830	609306.32	4170345.62	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.95E-08	2.63E-07	1.36E-07	4.54E-08	1.81E-07
3831	609315.48	4170342.52	1.08E-06	4.43E-07	1.52E-06	1.79E-07	7.73E-08	2.56E-07	1.32E-07	4.42E-08	1.76E-07
3832	609324.65	4170339.42	1.05E-06	4.30E-07	1.48E-06	1.74E-07	7.51E-08	2.49E-07	1.28E-07	4.29E-08	1.71E-07
3833	609333.81	4170336.32	1.01E-06	4.17E-07	1.43E-06	1.68E-07	7.28E-08	2.41E-07	1.24E-07	4.16E-08	1.66E-07
3834	609342.98	4170333.22	9.80E-07	4.03E-07	1.38E-06	1.63E-07	7.03E-08	2.33E-07	1.20E-07	4.02E-08	1.60E-07
3835	609352.14	4170330.12	9.46E-07	3.89E-07	1.33E-06	1.57E-07	6.79E-08	2.25E-07	1.16E-07	3.88E-08	1.55E-07
3836	609361.31	4170327.02	9.11E-07	3.74E-07	1.28E-06	1.51E-07	6.53E-08	2.17E-07	1.12E-07	3.73E-08	1.49E-07
3837	609370.47	4170323.93	8.75E-07	3.60E-07	1.24E-06	1.45E-07	6.28E-08	2.08E-07	1.07E-07	3.59E-08	1.43E-07
3838	609379.63	4170320.83	8.40E-07	3.45E-07	1.19E-06	1.40E-07	6.03E-08	2.00E-07	1.03E-07	3.44E-08	1.37E-07
3839	609388.8	4170317.73	8.05E-07	3.31E-07	1.14E-06	1.34E-07	5.78E-08	1.92E-07	9.88E-08	3.30E-08	1.32E-07

3840	609397.96	4170314.63	7.71E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.46E-08	3.16E-08	1.26E-07
3841	609407.13	4170311.53	7.38E-07	3.03E-07	1.04E-06	1.23E-07	5.29E-08	1.75E-07	9.04E-08	3.02E-08	1.21E-07
3842	609416.29	4170308.43	7.05E-07	2.90E-07	9.95E-07	1.17E-07	5.06E-08	1.68E-07	8.64E-08	2.89E-08	1.15E-07
3843	609233	4170370.42	1.24E-06	5.10E-07	1.75E-06	2.06E-07	8.90E-08	2.95E-07	1.52E-07	5.08E-08	2.03E-07
3844	609225.34	4170376.36	1.26E-06	5.18E-07	1.78E-06	2.09E-07	9.04E-08	3.00E-07	1.54E-07	5.16E-08	2.06E-07
3845	609217.68	4170382.3	1.28E-06	5.24E-07	1.80E-06	2.12E-07	9.15E-08	3.03E-07	1.56E-07	5.23E-08	2.09E-07
3846	609210.02	4170388.25	1.29E-06	5.29E-07	1.82E-06	2.14E-07	9.23E-08	3.06E-07	1.58E-07	5.27E-08	2.10E-07
3847	609202.37	4170394.19	1.29E-06	5.32E-07	1.82E-06	2.15E-07	9.28E-08	3.08E-07	1.59E-07	5.30E-08	2.12E-07
3848	609194.71	4170400.14	1.29E-06	5.32E-07	1.83E-06	2.15E-07	9.29E-08	3.08E-07	1.59E-07	5.31E-08	2.12E-07
3849	609164.07	4170423.91	1.26E-06	5.16E-07	1.77E-06	2.09E-07	9.01E-08	2.99E-07	1.54E-07	5.15E-08	2.05E-07
3850	609156.41	4170429.86	1.24E-06	5.08E-07	1.74E-06	2.05E-07	8.86E-08	2.94E-07	1.51E-07	5.06E-08	2.02E-07
3851	609148.75	4170435.8	1.21E-06	4.98E-07	1.71E-06	2.01E-07	8.69E-08	2.88E-07	1.48E-07	4.96E-08	1.98E-07
3852	609141.09	4170441.74	1.18E-06	4.86E-07	1.67E-06	1.97E-07	8.49E-08	2.81E-07	1.45E-07	4.85E-08	1.94E-07
3853	609133.43	4170447.69	1.15E-06	4.74E-07	1.63E-06	1.91E-07	8.27E-08	2.74E-07	1.41E-07	4.72E-08	1.89E-07
3854	609125.77	4170453.63	1.12E-06	4.60E-07	1.58E-06	1.86E-07	8.03E-08	2.66E-07	1.37E-07	4.59E-08	1.83E-07
3855	609118.11	4170459.58	1.08E-06	4.45E-07	1.53E-06	1.80E-07	7.78E-08	2.58E-07	1.33E-07	4.44E-08	1.77E-07
3856	609297.79	4170726.34	3.85E-06	1.58E-06	5.43E-06	6.39E-07	2.76E-07	9.15E-07	4.72E-07	1.58E-07	6.30E-07
3857	609281.08	4170698.17	3.92E-06	1.61E-06	5.53E-06	6.51E-07	2.81E-07	9.33E-07	4.81E-07	1.61E-07	6.42E-07
3858	609271.27	4170697.61	3.26E-06	1.34E-06	4.59E-06	5.41E-07	2.34E-07	7.74E-07	3.99E-07	1.33E-07	5.33E-07
3859	609277.46	4170685.24	4.05E-06	1.66E-06	5.72E-06	6.73E-07	2.91E-07	9.64E-07	4.97E-07	1.66E-07	6.63E-07
3860	609261.4	4170697.18	2.76E-06	1.14E-06	3.90E-06	4.59E-07	1.98E-07	6.57E-07	3.39E-07	1.13E-07	4.52E-07
3861	609267.85	4170684.3	3.39E-06	1.39E-06	4.79E-06	5.64E-07	2.43E-07	8.07E-07	4.16E-07	1.39E-07	5.55E-07
3862	609258.05	4170710.96	2.36E-06	9.69E-07	3.32E-06	3.91E-07	1.69E-07	5.61E-07	2.89E-07	9.66E-08	3.86E-07
3863	609251.08	4170697.65	2.36E-06	9.68E-07	3.32E-06	3.91E-07	1.69E-07	5.60E-07	2.89E-07	9.66E-08	3.85E-07
3864	609256.88	4170686.06	2.79E-06	1.15E-06	3.93E-06	4.63E-07	2.00E-07	6.63E-07	3.42E-07	1.14E-07	4.56E-07
3865	609262.68	4170674.47	3.29E-06	1.35E-06	4.64E-06	5.46E-07	2.36E-07	7.82E-07	4.03E-07	1.35E-07	5.38E-07
3866	609248.05	4170710.79	2.07E-06	8.49E-07	2.91E-06	3.43E-07	1.48E-07	4.91E-07	2.53E-07	8.47E-08	3.38E-07
3867	609241.19	4170697.26	2.07E-06	8.50E-07	2.92E-06	3.44E-07	1.48E-07	4.92E-07	2.54E-07	8.48E-08	3.38E-07
3868	609247.2	4170685.24	2.42E-06	9.97E-07	3.42E-06	4.03E-07	1.74E-07	5.77E-07	2.97E-07	9.94E-08	3.97E-07
3869	609253.22	4170673.22	2.85E-06	1.17E-06	4.02E-06	4.73E-07	2.04E-07	6.77E-07	3.49E-07	1.17E-07	4.66E-07
3870	609259.24	4170661.2	3.30E-06	1.36E-06	4.65E-06	5.48E-07	2.37E-07	7.84E-07	4.04E-07	1.35E-07	5.39E-07
3871	609238.05	4170710.62	1.83E-06	7.53E-07	2.59E-06	3.04E-07	1.31E-07	4.36E-07	2.25E-07	7.51E-08	3.00E-07
3872	609231.28	4170696.92	1.84E-06	7.55E-07	2.59E-06	3.05E-07	1.32E-07	4.37E-07	2.25E-07	7.53E-08	3.00E-07
3873	609237.46	4170684.55	2.13E-06	8.77E-07	3.01E-06	3.55E-07	1.53E-07	5.08E-07	2.62E-07	8.75E-08	3.49E-07
3874	609243.65	4170672.19	2.49E-06	1.02E-06	3.51E-06	4.14E-07	1.79E-07	5.92E-07	3.05E-07	1.02E-07	4.07E-07
3875	609249.84	4170659.83	2.88E-06	1.18E-06	4.06E-06	4.78E-07	2.07E-07	6.85E-07	3.53E-07	1.18E-07	4.71E-07
3876	609228.06	4170710.44	1.64E-06	6.75E-07	2.32E-06	2.73E-07	1.18E-07	3.91E-07	2.01E-07	6.73E-08	2.69E-07
3877	609221.35	4170696.61	1.65E-06	6.77E-07	2.32E-06	2.73E-07	1.18E-07	3.92E-07	2.02E-07	6.75E-08	2.69E-07
3878	609227.68	4170683.96	1.90E-06	7.79E-07	2.68E-06	3.15E-07	1.36E-07	4.51E-07	2.33E-07	7.77E-08	3.10E-07
3879	609234.01	4170671.31	2.20E-06	9.04E-07	3.10E-06	3.65E-07	1.58E-07	5.23E-07	2.70E-07	9.02E-08	3.60E-07
3880	609240.33	4170658.67	2.54E-06	1.04E-06	3.58E-06	4.21E-07	1.82E-07	6.03E-07	3.11E-07	1.04E-07	4.15E-07
3881	609246.66	4170646.02	2.89E-06	1.19E-06	4.07E-06	4.79E-07	2.07E-07	6.86E-07	3.54E-07	1.18E-07	4.72E-07
3882	609218.06	4170710.27	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.53E-07	1.82E-07	6.09E-08	2.43E-07
3883	609211.41	4170696.32	1.49E-06	6.11E-07	2.10E-06	2.47E-07	1.07E-07	3.54E-07	1.82E-07	6.10E-08	2.43E-07
3884	609217.85	4170683.44	1.70E-06	6.98E-07	2.40E-06	2.82E-07	1.22E-07	4.04E-07	2.08E-07	6.96E-08	2.78E-07
3885	609224.3	4170670.56	1.96E-06	8.04E-07	2.76E-06	3.25E-07	1.40E-07	4.65E-07	2.40E-07	8.02E-08	3.20E-07
3886	609230.75	4170657.68	2.25E-06	9.25E-07	3.17E-06	3.74E-07	1.61E-07	5.35E-07	2.76E-07	9.22E-08	3.68E-07
3887	609237.19	4170644.8	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.84E-07	6.09E-07	3.14E-07	1.05E-07	4.19E-07
3888	609201.46	4170696.04	1.35E-06	5.56E-07	1.91E-06	2.25E-07	9.71E-08	3.22E-07	1.66E-07	5.55E-08	2.21E-07
3889	609208	4170682.97	1.53E-06	6.30E-07	2.16E-06	2.55E-07	1.10E-07	3.65E-07	1.88E-07	6.29E-08	2.51E-07
3890	609214.55	4170669.89	1.75E-06	7.21E-07	2.47E-06	2.91E-07	1.26E-07	4.17E-07	2.15E-07	7.19E-08	2.87E-07
3891	609221.09	4170656.81	2.01E-06	8.25E-07	2.83E-06	3.33E-07	1.44E-07	4.77E-07	2.46E-07	8.23E-08	3.28E-07
3892	609227.64	4170643.73	2.28E-06	9.38E-07	3.22E-06	3.79E-07	1.64E-07	5.43E-07	2.80E-07	9.36E-08	3.73E-07
3893	609234.19	4170630.66	2.56E-06	1.05E-06	3.61E-06	4.25E-07	1.84E-07	6.09E-07	3.14E-07	1.05E-07	4.19E-07
3894	609191.28	4170696.23	1.23E-06	5.07E-07	1.74E-06	2.05E-07	8.86E-08	2.94E-07	1.51E-07	5.06E-08	2.02E-07
3895	609197.47	4170683.86	1.38E-06	5.66E-07	1.94E-06	2.29E-07	9.88E-08	3.28E-07	1.69E-07	5.64E-08	2.25E-07
3896	609203.66	4170671.5	1.55E-06	6.36E-07	2.18E-06	2.57E-07	1.11E-07	3.68E-07	1.90E-07	6.35E-08	2.53E-07
3897	609209.85	4170659.14	1.75E-06	7.19E-07	2.47E-06	2.91E-07	1.26E-07	4.16E-07	2.14E-07	7.17E-08	2.86E-07
3898	609216.03	4170646.77	1.97E-06	8.10E-07	2.78E-06	3.27E-07	1.41E-07	4.69E-07	2.42E-07	8.08E-08	3.22E-07
3899	609222.22	4170634.41	2.20E-06	9.06E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.04E-08	3.61E-07
3900	609228.41	4170622.04	2.43E-06	1.00E-06	3.43E-06	4.04E-07	1.75E-07	5.79E-07	2.98E-07	9.98E-08	3.98E-07
3901	609187.81	4170724.44	1.08E-06	4.45E-07	1.53E-06	1.80E-07	7.77E-08	2.57E-07	1.33E-07	4.44E-08	1.77E-07
3902	609181.33	4170695.96	1.14E-06	4.67E-07	1.60E-06	1.89E-07	8.15E-08	2.70E-07	1.39E-07	4.66E-08	1.86E-07

3903	609187.62	4170683.4	1.26E-06	5.18E-07	1.78E-06	2.09E-07	9.05E-08	3.00E-07	1.55E-07	5.17E-08	2.06E-07
3904	609193.9	4170670.84	1.41E-06	5.80E-07	1.99E-06	2.34E-07	1.01E-07	3.36E-07	1.73E-07	5.78E-08	2.31E-07
3905	609200.19	4170658.29	1.59E-06	6.52E-07	2.24E-06	2.63E-07	1.14E-07	3.77E-07	1.94E-07	6.50E-08	2.59E-07
3906	609206.47	4170645.73	1.78E-06	7.32E-07	2.51E-06	2.96E-07	1.28E-07	4.24E-07	2.18E-07	7.30E-08	2.91E-07
3907	609212.76	4170633.17	1.99E-06	8.18E-07	2.81E-06	3.31E-07	1.43E-07	4.74E-07	2.44E-07	8.16E-08	3.26E-07
3908	609219.04	4170620.61	2.20E-06	9.05E-07	3.11E-06	3.66E-07	1.58E-07	5.24E-07	2.70E-07	9.03E-08	3.60E-07
3909	609177.81	4170724.27	1.00E-06	4.13E-07	1.42E-06	1.67E-07	7.21E-08	2.39E-07	1.23E-07	4.12E-08	1.64E-07
3910	609177.75	4170682.97	1.16E-06	4.77E-07	1.64E-06	1.93E-07	8.33E-08	2.76E-07	1.42E-07	4.76E-08	1.90E-07
3911	609184.12	4170670.25	1.29E-06	5.31E-07	1.82E-06	2.15E-07	9.27E-08	3.07E-07	1.58E-07	5.30E-08	2.11E-07
3912	609190.49	4170657.52	1.45E-06	5.94E-07	2.04E-06	2.40E-07	1.04E-07	3.44E-07	1.77E-07	5.93E-08	2.37E-07
3913	609196.86	4170644.79	1.62E-06	6.66E-07	2.29E-06	2.69E-07	1.16E-07	3.85E-07	1.99E-07	6.64E-08	2.65E-07
3914	609203.23	4170632.06	1.81E-06	7.42E-07	2.55E-06	3.00E-07	1.30E-07	4.30E-07	2.21E-07	7.40E-08	2.95E-07
3915	609209.6	4170619.33	2.00E-06	8.21E-07	2.82E-06	3.32E-07	1.43E-07	4.75E-07	2.45E-07	8.19E-08	3.27E-07
3916	609215.97	4170606.61	2.18E-06	8.98E-07	3.08E-06	3.63E-07	1.57E-07	5.19E-07	2.68E-07	8.95E-08	3.57E-07
3917	609167.81	4170724.1	9.35E-07	3.84E-07	1.32E-06	1.55E-07	6.71E-08	2.22E-07	1.15E-07	3.83E-08	1.53E-07
3918	609167.86	4170682.57	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.70E-08	2.55E-07	1.31E-07	4.40E-08	1.75E-07
3919	609174.31	4170669.69	1.19E-06	4.89E-07	1.68E-06	1.97E-07	8.53E-08	2.83E-07	1.46E-07	4.87E-08	1.95E-07
3920	609180.75	4170656.81	1.33E-06	5.45E-07	1.87E-06	2.20E-07	9.51E-08	3.15E-07	1.62E-07	5.43E-08	2.17E-07
3921	609187.2	4170643.94	1.48E-06	6.08E-07	2.09E-06	2.46E-07	1.06E-07	3.52E-07	1.81E-07	6.06E-08	2.42E-07
3922	609193.65	4170631.06	1.65E-06	6.77E-07	2.32E-06	2.74E-07	1.18E-07	3.92E-07	2.02E-07	6.75E-08	2.69E-07
3923	609200.09	4170618.18	1.82E-06	7.48E-07	2.57E-06	3.02E-07	1.31E-07	4.33E-07	2.23E-07	7.46E-08	2.98E-07
3924	609206.54	4170605.3	1.99E-06	8.19E-07	2.81E-06	3.31E-07	1.43E-07	4.74E-07	2.44E-07	8.17E-08	3.26E-07
3925	609157.81	4170723.92	8.73E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
3926	609157.96	4170682.2	9.95E-07	4.09E-07	1.40E-06	1.65E-07	7.14E-08	2.37E-07	1.22E-07	4.08E-08	1.63E-07
3927	609164.48	4170669.18	1.10E-06	4.51E-07	1.55E-06	1.82E-07	7.88E-08	2.61E-07	1.35E-07	4.50E-08	1.80E-07
3928	609170.99	4170656.17	1.22E-06	5.01E-07	1.72E-06	2.03E-07	8.75E-08	2.90E-07	1.50E-07	5.00E-08	1.99E-07
3929	609177.51	4170643.15	1.36E-06	5.58E-07	1.91E-06	2.25E-07	9.74E-08	3.23E-07	1.66E-07	5.56E-08	2.22E-07
3930	609184.02	4170630.14	1.51E-06	6.20E-07	2.13E-06	2.50E-07	1.08E-07	3.59E-07	1.85E-07	6.18E-08	2.47E-07
3931	609190.53	4170617.12	1.67E-06	6.84E-07	2.35E-06	2.77E-07	1.19E-07	3.96E-07	2.04E-07	6.83E-08	2.72E-07
3932	609197.05	4170604.11	1.82E-06	7.49E-07	2.57E-06	3.03E-07	1.31E-07	4.34E-07	2.24E-07	7.47E-08	2.98E-07
3933	609148.07	4170709.06	8.52E-07	3.50E-07	1.20E-06	1.41E-07	6.11E-08	2.03E-07	1.04E-07	3.49E-08	1.39E-07
3934	609147.81	4170723.75	8.18E-07	3.36E-07	1.15E-06	1.36E-07	5.87E-08	1.95E-07	1.00E-07	3.35E-08	1.34E-07
3935	609178.9	4170620.22	1.48E-06	6.10E-07	2.09E-06	2.46E-07	1.06E-07	3.53E-07	1.82E-07	6.08E-08	2.43E-07
3936	609185.16	4170607.71	1.62E-06	6.67E-07	2.29E-06	2.69E-07	1.16E-07	3.86E-07	1.99E-07	6.65E-08	2.65E-07
3937	609137.82	4170723.58	7.68E-07	3.16E-07	1.08E-06	1.28E-07	5.51E-08	1.83E-07	9.42E-08	3.15E-08	1.26E-07
3938	609121.39	4170694.82	7.45E-07	3.06E-07	1.05E-06	1.24E-07	5.35E-08	1.77E-07	9.13E-08	3.05E-08	1.22E-07
3939	609134.17	4170669.28	8.76E-07	3.60E-07	1.24E-06	1.45E-07	6.28E-08	2.08E-07	1.07E-07	3.59E-08	1.43E-07
3940	609185.29	4170567.14	1.72E-06	7.06E-07	2.42E-06	2.85E-07	1.23E-07	4.09E-07	2.11E-07	7.04E-08	2.81E-07
3941	609118.07	4170708.55	7.05E-07	2.90E-07	9.95E-07	1.17E-07	5.06E-08	1.68E-07	8.65E-08	2.89E-08	1.15E-07
3942	609111.42	4170694.59	7.01E-07	2.88E-07	9.90E-07	1.17E-07	5.03E-08	1.67E-07	8.60E-08	2.88E-08	1.15E-07
3943	609124.31	4170668.83	8.20E-07	3.37E-07	1.16E-06	1.36E-07	5.89E-08	1.95E-07	1.01E-07	3.36E-08	1.34E-07
3944	609130.76	4170655.95	8.95E-07	3.68E-07	1.26E-06	1.49E-07	6.42E-08	2.13E-07	1.10E-07	3.67E-08	1.46E-07
3945	609137.21	4170643.07	9.79E-07	4.02E-07	1.38E-06	1.63E-07	7.02E-08	2.33E-07	1.20E-07	4.01E-08	1.60E-07
3946	609143.65	4170630.19	1.07E-06	4.41E-07	1.51E-06	1.78E-07	7.69E-08	2.55E-07	1.31E-07	4.40E-08	1.75E-07
3947	609150.1	4170617.31	1.17E-06	4.82E-07	1.66E-06	1.95E-07	8.42E-08	2.79E-07	1.44E-07	4.81E-08	1.92E-07
3948	609156.55	4170604.43	1.28E-06	5.26E-07	1.81E-06	2.13E-07	9.19E-08	3.05E-07	1.57E-07	5.25E-08	2.09E-07
3949	609162.99	4170591.56	1.39E-06	5.71E-07	1.96E-06	2.31E-07	9.97E-08	3.30E-07	1.70E-07	5.69E-08	2.27E-07
3950	609108.07	4170708.37	6.66E-07	2.74E-07	9.40E-07	1.11E-07	4.78E-08	1.58E-07	8.17E-08	2.73E-08	1.09E-07
3951	609107.82	4170723.06	6.45E-07	2.65E-07	9.11E-07	1.07E-07	4.63E-08	1.54E-07	7.91E-08	2.65E-08	1.06E-07
3952	609101.45	4170694.37	6.63E-07	2.72E-07	9.35E-07	1.10E-07	4.75E-08	1.58E-07	8.12E-08	2.72E-08	1.08E-07
3953	609114.45	4170668.4	7.70E-07	3.17E-07	1.09E-06	1.28E-07	5.53E-08	1.83E-07	9.44E-08	3.16E-08	1.26E-07
3954	609120.94	4170655.42	8.38E-07	3.44E-07	1.18E-06	1.39E-07	6.01E-08	1.99E-07	1.03E-07	3.43E-08	1.37E-07
3955	609127.44	4170642.44	9.14E-07	3.76E-07	1.29E-06	1.52E-07	6.56E-08	2.17E-07	1.12E-07	3.75E-08	1.50E-07
3956	609133.94	4170629.45	9.99E-07	4.11E-07	1.41E-06	1.66E-07	7.17E-08	2.38E-07	1.22E-07	4.09E-08	1.63E-07
3957	609140.44	4170616.47	1.09E-06	4.49E-07	1.54E-06	1.81E-07	7.83E-08	2.60E-07	1.34E-07	4.47E-08	1.79E-07
3958	609146.93	4170603.49	1.19E-06	4.89E-07	1.68E-06	1.98E-07	8.53E-08	2.83E-07	1.46E-07	4.87E-08	1.95E-07
3959	609153.43	4170590.51	1.29E-06	5.30E-07	1.82E-06	2.14E-07	9.25E-08	3.07E-07	1.58E-07	5.29E-08	2.11E-07
3960	609098.07	4170708.2	6.30E-07	2.59E-07	8.89E-07	1.05E-07	4.52E-08	1.50E-07	7.73E-08	2.58E-08	1.03E-07
3961	609097.82	4170722.89	6.12E-07	2.51E-07	8.63E-07	1.02E-07	4.39E-08	1.46E-07	7.50E-08	2.51E-08	1.00E-07
3962	609091.48	4170694.15	6.27E-07	2.58E-07	8.85E-07	1.04E-07	4.50E-08	1.49E-07	7.69E-08	2.57E-08	1.03E-07
3963	609111.11	4170654.91	7.87E-07	3.23E-07	1.11E-06	1.31E-07	5.65E-08	1.87E-07	9.65E-08	3.23E-08	1.29E-07
3964	609117.66	4170641.84	8.56E-07	3.52E-07	1.21E-06	1.42E-07	6.15E-08	2.04E-07	1.05E-07	3.51E-08	1.40E-07
3965	609124.2	4170628.76	9.33E-07	3.83E-07	1.32E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.53E-07

3966	609130.75	4170615.68	1.02E-06	4.18E-07	1.43E-06	1.69E-07	7.30E-08	2.42E-07	1.25E-07	4.17E-08	1.66E-07
3967	609137.29	4170602.6	1.11E-06	4.55E-07	1.56E-06	1.84E-07	7.95E-08	2.63E-07	1.36E-07	4.54E-08	1.81E-07
3968	609143.84	4170589.53	1.20E-06	4.93E-07	1.69E-06	1.99E-07	8.61E-08	2.85E-07	1.47E-07	4.92E-08	1.96E-07
3969	609088.08	4170708.03	5.98E-07	2.46E-07	8.43E-07	9.93E-08	4.29E-08	1.42E-07	7.33E-08	2.45E-08	9.78E-08
3970	609087.82	4170722.72	5.81E-07	2.39E-07	8.20E-07	9.65E-08	4.17E-08	1.38E-07	7.12E-08	2.38E-08	9.50E-08
3971	609081.38	4170694.17	5.94E-07	2.44E-07	8.38E-07	9.87E-08	4.26E-08	1.41E-07	7.28E-08	2.44E-08	9.72E-08
3972	609087.74	4170681.47	6.34E-07	2.60E-07	8.94E-07	1.05E-07	4.55E-08	1.51E-07	7.77E-08	2.60E-08	1.04E-07
3973	609100.44	4170656.08	7.33E-07	3.01E-07	1.03E-06	1.22E-07	5.26E-08	1.74E-07	8.99E-08	3.00E-08	1.20E-07
3974	609106.8	4170643.38	7.93E-07	3.26E-07	1.12E-06	1.32E-07	5.69E-08	1.89E-07	9.73E-08	3.25E-08	1.30E-07
3975	609113.15	4170630.69	8.59E-07	3.53E-07	1.21E-06	1.43E-07	6.17E-08	2.04E-07	1.05E-07	3.52E-08	1.41E-07
3976	609119.5	4170617.99	9.32E-07	3.83E-07	1.31E-06	1.55E-07	6.69E-08	2.22E-07	1.14E-07	3.82E-08	1.52E-07
3977	609125.86	4170605.3	1.01E-06	4.15E-07	1.43E-06	1.68E-07	7.25E-08	2.40E-07	1.24E-07	4.14E-08	1.65E-07
3978	609132.21	4170592.6	1.09E-06	4.49E-07	1.54E-06	1.82E-07	7.84E-08	2.60E-07	1.34E-07	4.48E-08	1.79E-07
3979	609138.57	4170579.91	1.18E-06	4.84E-07	1.66E-06	1.95E-07	8.44E-08	2.80E-07	1.44E-07	4.82E-08	1.92E-07
3980	609151.27	4170554.52	1.34E-06	5.50E-07	1.89E-06	2.22E-07	9.60E-08	3.18E-07	1.64E-07	5.49E-08	2.19E-07
3981	609157.63	4170541.82	1.41E-06	5.80E-07	1.99E-06	2.34E-07	1.01E-07	3.36E-07	1.73E-07	5.78E-08	2.31E-07
3982	609078.08	4170707.86	5.68E-07	2.33E-07	8.01E-07	9.43E-08	4.07E-08	1.35E-07	6.96E-08	2.33E-08	9.29E-08
3983	609077.82	4170722.54	5.52E-07	2.27E-07	7.79E-07	9.18E-08	3.96E-08	1.31E-07	6.77E-08	2.26E-08	9.04E-08
3984	609071.41	4170693.95	5.64E-07	2.32E-07	7.96E-07	9.38E-08	4.05E-08	1.34E-07	6.92E-08	2.31E-08	9.23E-08
3985	609077.81	4170681.15	6.01E-07	2.47E-07	8.48E-07	9.98E-08	4.31E-08	1.43E-07	7.37E-08	2.46E-08	9.83E-08
3986	609090.61	4170655.57	6.92E-07	2.84E-07	9.76E-07	1.15E-07	4.96E-08	1.65E-07	8.48E-08	2.84E-08	1.13E-07
3987	609097.01	4170642.78	7.47E-07	3.07E-07	1.05E-06	1.24E-07	5.36E-08	1.78E-07	9.15E-08	3.06E-08	1.22E-07
3988	609103.41	4170629.99	8.07E-07	3.32E-07	1.14E-06	1.34E-07	5.79E-08	1.92E-07	9.90E-08	3.31E-08	1.32E-07
3989	609109.82	4170617.2	8.74E-07	3.59E-07	1.23E-06	1.45E-07	6.27E-08	2.08E-07	1.07E-07	3.58E-08	1.43E-07
3990	609116.22	4170604.41	9.46E-07	3.89E-07	1.34E-06	1.57E-07	6.79E-08	2.25E-07	1.16E-07	3.88E-08	1.55E-07
3991	609122.62	4170591.62	1.02E-06	4.20E-07	1.44E-06	1.70E-07	7.34E-08	2.43E-07	1.25E-07	4.19E-08	1.67E-07
3992	609129.02	4170578.83	1.10E-06	4.52E-07	1.55E-06	1.83E-07	7.90E-08	2.62E-07	1.35E-07	4.51E-08	1.80E-07
3993	609148.23	4170540.46	1.32E-06	5.44E-07	1.87E-06	2.20E-07	9.49E-08	3.15E-07	1.62E-07	5.42E-08	2.16E-07
3994	609154.63	4170527.67	1.39E-06	5.69E-07	1.95E-06	2.30E-07	9.94E-08	3.30E-07	1.70E-07	5.68E-08	2.27E-07
3995	609068.08	4170707.68	5.40E-07	2.22E-07	7.62E-07	8.97E-08	3.88E-08	1.29E-07	6.62E-08	2.21E-08	8.84E-08
3996	609067.83	4170722.37	5.26E-07	2.16E-07	7.43E-07	8.74E-08	3.78E-08	1.25E-07	6.45E-08	2.16E-08	8.61E-08
3997	609061.43	4170693.73	5.37E-07	2.21E-07	7.58E-07	8.92E-08	3.86E-08	1.28E-07	6.59E-08	2.20E-08	8.79E-08
3998	609067.88	4170680.85	5.71E-07	2.35E-07	8.06E-07	9.48E-08	4.10E-08	1.36E-07	7.00E-08	2.34E-08	9.34E-08
3999	609080.77	4170655.09	6.54E-07	2.69E-07	9.23E-07	1.09E-07	4.69E-08	1.56E-07	8.02E-08	2.68E-08	1.07E-07
4000	609087.21	4170642.21	7.04E-07	2.90E-07	9.94E-07	1.17E-07	5.05E-08	1.68E-07	8.64E-08	2.89E-08	1.15E-07
4001	609093.66	4170629.33	7.60E-07	3.13E-07	1.07E-06	1.26E-07	5.46E-08	1.81E-07	9.32E-08	3.12E-08	1.24E-07
4002	609100.11	4170616.45	8.21E-07	3.38E-07	1.16E-06	1.36E-07	5.89E-08	1.95E-07	1.01E-07	3.37E-08	1.34E-07
4003	609106.55	4170603.57	8.88E-07	3.65E-07	1.25E-06	1.47E-07	6.37E-08	2.11E-07	1.09E-07	3.64E-08	1.45E-07
4004	609113	4170590.69	9.59E-07	3.94E-07	1.35E-06	1.59E-07	6.88E-08	2.28E-07	1.18E-07	3.93E-08	1.57E-07
4005	609119.44	4170577.81	1.03E-06	4.24E-07	1.45E-06	1.71E-07	7.40E-08	2.45E-07	1.26E-07	4.23E-08	1.69E-07
4006	609138.78	4170539.18	1.24E-06	5.10E-07	1.75E-06	2.06E-07	8.91E-08	2.95E-07	1.52E-07	5.09E-08	2.03E-07
4007	609145.23	4170526.3	1.30E-06	5.35E-07	1.84E-06	2.16E-07	9.35E-08	3.10E-07	1.60E-07	5.34E-08	2.13E-07
4008	609058.08	4170707.51	5.15E-07	2.12E-07	7.27E-07	8.55E-08	3.69E-08	1.22E-07	6.31E-08	2.11E-08	8.42E-08
4009	609057.83	4170722.2	5.02E-07	2.06E-07	7.08E-07	8.34E-08	3.60E-08	1.19E-07	6.16E-08	2.06E-08	8.21E-08
4010	609051.45	4170693.51	5.12E-07	2.11E-07	7.23E-07	8.51E-08	3.68E-08	1.22E-07	6.28E-08	2.10E-08	8.38E-08
4011	609057.94	4170680.55	5.43E-07	2.23E-07	7.67E-07	9.02E-08	3.90E-08	1.29E-07	6.66E-08	2.23E-08	8.89E-08
4012	609077.4	4170641.66	6.66E-07	2.74E-07	9.40E-07	1.11E-07	4.78E-08	1.58E-07	8.17E-08	2.73E-08	1.09E-07
4013	609083.89	4170628.7	7.18E-07	2.95E-07	1.01E-06	1.19E-07	5.15E-08	1.71E-07	8.80E-08	2.94E-08	1.17E-07
4014	609090.38	4170615.74	7.74E-07	3.18E-07	1.09E-06	1.29E-07	5.55E-08	1.84E-07	9.49E-08	3.17E-08	1.27E-07
4015	609096.87	4170602.78	8.35E-07	3.43E-07	1.18E-06	1.39E-07	5.99E-08	1.99E-07	1.02E-07	3.42E-08	1.37E-07
4016	609103.35	4170589.81	9.00E-07	3.70E-07	1.27E-06	1.50E-07	6.46E-08	2.14E-07	1.10E-07	3.69E-08	1.47E-07
4017	609109.84	4170576.85	9.67E-07	3.98E-07	1.36E-06	1.61E-07	6.94E-08	2.30E-07	1.19E-07	3.97E-08	1.58E-07
4018	609129.3	4170537.96	1.17E-06	4.79E-07	1.65E-06	1.94E-07	8.37E-08	2.77E-07	1.43E-07	4.78E-08	1.91E-07
4019	609135.79	4170525	1.23E-06	5.04E-07	1.73E-06	2.04E-07	8.79E-08	2.91E-07	1.50E-07	5.02E-08	2.00E-07
4020	609142.28	4170512.04	1.28E-06	5.25E-07	1.80E-06	2.12E-07	9.17E-08	3.04E-07	1.57E-07	5.24E-08	2.09E-07
4021	609048.08	4170707.34	4.91E-07	2.02E-07	6.93E-07	8.16E-08	3.53E-08	1.17E-07	6.03E-08	2.01E-08	8.04E-08
4022	609047.83	4170722.03	4.80E-07	1.97E-07	6.77E-07	7.97E-08	3.44E-08	1.14E-07	5.88E-08	1.97E-08	7.85E-08
4023	609041.47	4170693.3	4.89E-07	2.01E-07	6.90E-07	8.12E-08	3.51E-08	1.16E-07	5.99E-08	2.00E-08	8.00E-08
4024	609048	4170680.26	5.18E-07	2.13E-07	7.31E-07	8.60E-08	3.72E-08	1.23E-07	6.35E-08	2.12E-08	8.47E-08
4025	609054.53	4170667.22	5.51E-07	2.26E-07	7.77E-07	9.15E-08	3.95E-08	1.31E-07	6.76E-08	2.26E-08	9.01E-08
4026	609067.58	4170641.14	6.31E-07	2.59E-07	8.91E-07	1.05E-07	4.53E-08	1.50E-07	7.74E-08	2.59E-08	1.03E-07
4027	609074.11	4170628.1	6.79E-07	2.79E-07	9.58E-07	1.13E-07	4.87E-08	1.61E-07	8.32E-08	2.78E-08	1.11E-07
4028	609080.63	4170615.06	7.31E-07	3.00E-07	1.03E-06	1.21E-07	5.24E-08	1.74E-07	8.96E-08	2.99E-08	1.20E-07

4029	609087.16	4170602.02	7.87E-07	3.23E-07	1.11E-06	1.31E-07	5.65E-08	1.87E-07	9.65E-08	3.23E-08	1.29E-07
4030	609093.69	4170588.98	8.47E-07	3.48E-07	1.19E-06	1.41E-07	6.08E-08	2.01E-07	1.04E-07	3.47E-08	1.39E-07
4031	609100.21	4170575.94	9.09E-07	3.74E-07	1.28E-06	1.51E-07	6.52E-08	2.16E-07	1.11E-07	3.73E-08	1.49E-07
4032	609119.79	4170536.82	1.10E-06	4.51E-07	1.55E-06	1.82E-07	7.87E-08	2.61E-07	1.34E-07	4.50E-08	1.79E-07
4033	609126.32	4170523.78	1.15E-06	4.74E-07	1.63E-06	1.92E-07	8.28E-08	2.74E-07	1.41E-07	4.73E-08	1.89E-07
4034	609132.85	4170510.74	1.21E-06	4.95E-07	1.70E-06	2.00E-07	8.65E-08	2.87E-07	1.48E-07	4.94E-08	1.97E-07
4035	609038.08	4170707.17	4.70E-07	1.93E-07	6.63E-07	7.80E-08	3.37E-08	1.12E-07	5.76E-08	1.93E-08	7.69E-08
4036	609037.83	4170721.85	4.59E-07	1.89E-07	6.48E-07	7.62E-08	3.29E-08	1.09E-07	5.63E-08	1.88E-08	7.51E-08
4037	609031.49	4170693.09	4.67E-07	1.92E-07	6.60E-07	7.76E-08	3.35E-08	1.11E-07	5.73E-08	1.92E-08	7.65E-08
4038	609038.06	4170679.98	4.94E-07	2.03E-07	6.97E-07	8.21E-08	3.55E-08	1.18E-07	6.06E-08	2.03E-08	8.09E-08
4039	609044.62	4170666.87	5.25E-07	2.16E-07	7.41E-07	8.72E-08	3.77E-08	1.25E-07	6.44E-08	2.15E-08	8.59E-08
4040	609057.75	4170640.64	5.99E-07	2.46E-07	8.46E-07	9.96E-08	4.30E-08	1.43E-07	7.35E-08	2.46E-08	9.80E-08
4041	609064.31	4170627.53	6.43E-07	2.64E-07	9.07E-07	1.07E-07	4.61E-08	1.53E-07	7.88E-08	2.64E-08	1.05E-07
4042	609070.87	4170614.41	6.91E-07	2.84E-07	9.75E-07	1.15E-07	4.96E-08	1.64E-07	8.47E-08	2.83E-08	1.13E-07
4043	609077.44	4170601.3	7.43E-07	3.05E-07	1.05E-06	1.23E-07	5.33E-08	1.77E-07	9.11E-08	3.04E-08	1.22E-07
4044	609084	4170588.19	7.98E-07	3.28E-07	1.13E-06	1.33E-07	5.73E-08	1.90E-07	9.78E-08	3.27E-08	1.31E-07
4045	609090.56	4170575.07	8.56E-07	3.52E-07	1.21E-06	1.42E-07	6.14E-08	2.04E-07	1.05E-07	3.51E-08	1.40E-07
4046	609097.13	4170561.96	9.15E-07	3.76E-07	1.29E-06	1.52E-07	6.57E-08	2.18E-07	1.12E-07	3.75E-08	1.50E-07
4047	609110.25	4170535.73	1.03E-06	4.25E-07	1.46E-06	1.72E-07	7.41E-08	2.46E-07	1.27E-07	4.23E-08	1.69E-07
4048	609116.82	4170522.62	1.09E-06	4.47E-07	1.53E-06	1.81E-07	7.80E-08	2.59E-07	1.33E-07	4.46E-08	1.78E-07
4049	609123.38	4170509.5	1.14E-06	4.68E-07	1.61E-06	1.89E-07	8.16E-08	2.71E-07	1.39E-07	4.66E-08	1.86E-07
4050	609129.94	4170496.39	1.18E-06	4.86E-07	1.67E-06	1.96E-07	8.48E-08	2.81E-07	1.45E-07	4.84E-08	1.93E-07
4051	609028.08	4170706.99	4.50E-07	1.85E-07	6.34E-07	7.47E-08	3.23E-08	1.07E-07	5.51E-08	1.84E-08	7.36E-08
4052	609027.83	4170721.68	4.40E-07	1.81E-07	6.20E-07	7.30E-08	3.15E-08	1.05E-07	5.39E-08	1.80E-08	7.19E-08
4053	609047.05	4170641.85	5.65E-07	2.32E-07	7.97E-07	9.38E-08	4.05E-08	1.34E-07	6.93E-08	2.32E-08	9.24E-08
4054	609053.46	4170629.05	6.04E-07	2.48E-07	8.52E-07	1.00E-07	4.33E-08	1.44E-07	7.40E-08	2.47E-08	9.88E-08
4055	609059.87	4170616.24	6.46E-07	2.66E-07	9.12E-07	1.07E-07	4.64E-08	1.54E-07	7.92E-08	2.65E-08	1.06E-07
4056	609066.28	4170603.43	6.92E-07	2.84E-07	9.76E-07	1.15E-07	4.97E-08	1.65E-07	8.48E-08	2.84E-08	1.13E-07
4057	609072.69	4170590.63	7.41E-07	3.05E-07	1.05E-06	1.23E-07	5.32E-08	1.76E-07	9.09E-08	3.04E-08	1.21E-07
4058	609079.1	4170577.82	7.92E-07	3.26E-07	1.12E-06	1.32E-07	5.69E-08	1.88E-07	9.72E-08	3.25E-08	1.30E-07
4059	609085.51	4170565.02	8.46E-07	3.48E-07	1.19E-06	1.40E-07	6.07E-08	2.01E-07	1.04E-07	3.47E-08	1.38E-07
4060	609104.74	4170526.6	1.01E-06	4.14E-07	1.42E-06	1.67E-07	7.22E-08	2.39E-07	1.23E-07	4.13E-08	1.65E-07
4061	609111.15	4170513.79	1.06E-06	4.34E-07	1.49E-06	1.75E-07	7.57E-08	2.51E-07	1.29E-07	4.33E-08	1.73E-07
4062	609117.56	4170500.99	1.10E-06	4.52E-07	1.55E-06	1.83E-07	7.89E-08	2.62E-07	1.35E-07	4.51E-08	1.80E-07
4063	609123.97	4170488.18	1.14E-06	4.68E-07	1.61E-06	1.89E-07	8.17E-08	2.71E-07	1.40E-07	4.67E-08	1.86E-07
4064	609017.83	4170721.51	4.22E-07	1.73E-07	5.95E-07	7.00E-08	3.02E-08	1.00E-07	5.17E-08	1.73E-08	6.90E-08
4065	609069.45	4170576.95	7.50E-07	3.08E-07	1.06E-06	1.25E-07	5.38E-08	1.78E-07	9.19E-08	3.07E-08	1.23E-07
4066	609075.9	4170564.07	7.99E-07	3.28E-07	1.13E-06	1.33E-07	5.73E-08	1.90E-07	9.80E-08	3.28E-08	1.31E-07
4067	609095.24	4170525.43	9.51E-07	3.91E-07	1.34E-06	1.58E-07	6.82E-08	2.26E-07	1.17E-07	3.90E-08	1.56E-07
4068	609101.68	4170512.55	9.98E-07	4.10E-07	1.41E-06	1.66E-07	7.16E-08	2.37E-07	1.22E-07	4.09E-08	1.63E-07
4069	609108.13	4170499.67	1.04E-06	4.28E-07	1.47E-06	1.73E-07	7.47E-08	2.48E-07	1.28E-07	4.27E-08	1.70E-07
4070	609114.57	4170486.79	1.08E-06	4.44E-07	1.52E-06	1.79E-07	7.75E-08	2.57E-07	1.32E-07	4.43E-08	1.77E-07
4071	609001.46	4170692.66	4.11E-07	1.69E-07	5.80E-07	6.83E-08	2.95E-08	9.78E-08	5.04E-08	1.69E-08	6.73E-08
4072	609007.94	4170679.71	4.32E-07	1.78E-07	6.10E-07	7.18E-08	3.10E-08	1.03E-07	5.30E-08	1.77E-08	7.07E-08
4073	609014.42	4170666.76	4.56E-07	1.88E-07	6.44E-07	7.58E-08	3.28E-08	1.09E-07	5.60E-08	1.87E-08	7.47E-08
4074	609085.71	4170524.32	8.99E-07	3.70E-07	1.27E-06	1.49E-07	6.45E-08	2.14E-07	1.10E-07	3.69E-08	1.47E-07
4075	609092.19	4170511.37	9.45E-07	3.88E-07	1.33E-06	1.57E-07	6.78E-08	2.25E-07	1.16E-07	3.87E-08	1.55E-07
4076	609098.67	4170498.42	9.87E-07	4.06E-07	1.39E-06	1.64E-07	7.08E-08	2.35E-07	1.21E-07	4.04E-08	1.61E-07
4077	609105.15	4170485.47	1.02E-06	4.21E-07	1.45E-06	1.70E-07	7.35E-08	2.44E-07	1.26E-07	4.20E-08	1.68E-07
4078	609111.63	4170472.52	1.06E-06	4.35E-07	1.49E-06	1.76E-07	7.59E-08	2.51E-07	1.30E-07	4.33E-08	1.73E-07
4079	608998.09	4170706.48	3.97E-07	1.63E-07	5.60E-07	6.60E-08	2.85E-08	9.44E-08	4.87E-08	1.63E-08	6.50E-08

			T2		T2L3		T4f	
			24	609534.14				
			4.00E-02	1.78E-02	6.64E-03	3.10E-03	4.90E-03	1.77E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	609307.74	4170736.51	5.23E-03	2.33E-03	8.69E-04	4.07E-04	6.42E-04	2.32E-04
2	609317.59	4170736.55	6.41E-03	2.85E-03	1.07E-03	4.98E-04	7.86E-04	2.85E-04
3	609327.43	4170736.6	8.27E-03	3.68E-03	1.37E-03	6.43E-04	1.01E-03	3.67E-04
4	609337.27	4170736.64	1.12E-02	4.97E-03	1.85E-03	8.67E-04	1.37E-03	4.95E-04
5	609347.12	4170736.69	1.50E-02	6.68E-03	2.49E-03	1.17E-03	1.84E-03	6.66E-04
6	609356.96	4170736.73	1.89E-02	8.41E-03	3.14E-03	1.47E-03	2.32E-03	8.38E-04
7	609366.8	4170736.78	2.21E-02	9.84E-03	3.67E-03	1.72E-03	2.71E-03	9.82E-04
8	609376.65	4170736.82	2.47E-02	1.10E-02	4.11E-03	1.92E-03	3.03E-03	1.10E-03
9	609386.49	4170736.87	2.70E-02	1.20E-02	4.48E-03	2.10E-03	3.31E-03	1.20E-03
10	609396.33	4170736.91	2.91E-02	1.30E-02	4.83E-03	2.26E-03	3.57E-03	1.29E-03
11	609406.18	4170736.96	3.09E-02	1.38E-02	5.14E-03	2.40E-03	3.79E-03	1.37E-03
12	609416.02	4170737	3.25E-02	1.45E-02	5.40E-03	2.53E-03	3.99E-03	1.44E-03
13	609425.86	4170737.05	3.37E-02	1.50E-02	5.60E-03	2.62E-03	4.13E-03	1.50E-03
14	609435.71	4170737.09	3.48E-02	1.55E-02	5.78E-03	2.70E-03	4.26E-03	1.54E-03
15	609445.55	4170737.14	3.57E-02	1.59E-02	5.93E-03	2.77E-03	4.37E-03	1.58E-03
16	609455.39	4170737.18	3.65E-02	1.62E-02	6.06E-03	2.83E-03	4.47E-03	1.62E-03
17	609465.24	4170737.22	3.72E-02	1.65E-02	6.17E-03	2.89E-03	4.55E-03	1.65E-03
18	609475.08	4170737.27	3.77E-02	1.68E-02	6.27E-03	2.93E-03	4.62E-03	1.67E-03
19	609484.92	4170737.31	3.82E-02	1.70E-02	6.35E-03	2.97E-03	4.68E-03	1.70E-03
20	609494.77	4170737.36	3.86E-02	1.72E-02	6.41E-03	3.00E-03	4.73E-03	1.71E-03
21	609504.61	4170737.4	3.89E-02	1.73E-02	6.46E-03	3.02E-03	4.77E-03	1.73E-03
22	609514.45	4170737.45	3.94E-02	1.75E-02	6.54E-03	3.06E-03	4.83E-03	1.75E-03
23	609524.3	4170737.49	3.97E-02	1.77E-02	6.60E-03	3.09E-03	4.87E-03	1.76E-03
24	609534.14	4170737.54	4.00E-02	1.78E-02	6.64E-03	3.10E-03	4.90E-03	1.77E-03
25	609543.98	4170737.58	3.98E-02	1.77E-02	6.62E-03	3.09E-03	4.88E-03	1.77E-03
26	609553.83	4170737.63	3.96E-02	1.76E-02	6.57E-03	3.07E-03	4.85E-03	1.76E-03
27	609563.67	4170737.67	3.91E-02	1.74E-02	6.50E-03	3.04E-03	4.80E-03	1.74E-03
28	609573.51	4170737.72	3.85E-02	1.71E-02	6.39E-03	2.99E-03	4.71E-03	1.71E-03
29	609583.36	4170737.76	3.74E-02	1.67E-02	6.22E-03	2.91E-03	4.59E-03	1.66E-03
30	609593.2	4170737.81	3.58E-02	1.59E-02	5.94E-03	2.78E-03	4.39E-03	1.59E-03
31	609300.6	4170743.5	4.19E-03	1.86E-03	6.95E-04	3.25E-04	5.13E-04	1.86E-04
32	609290.64	4170733.33	4.10E-03	1.82E-03	6.81E-04	3.18E-04	5.03E-04	1.82E-04
33	609317.54	4170746.55	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.49E-04	2.35E-04
34	609327.39	4170746.6	6.48E-03	2.89E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
35	609337.23	4170746.64	8.16E-03	3.63E-03	1.35E-03	6.34E-04	1.00E-03	3.62E-04
36	609347.07	4170746.69	1.03E-02	4.58E-03	1.71E-03	8.00E-04	1.26E-03	4.57E-04
37	609356.92	4170746.73	1.26E-02	5.61E-03	2.09E-03	9.79E-04	1.55E-03	5.59E-04
38	609366.76	4170746.78	1.48E-02	6.58E-03	2.46E-03	1.15E-03	1.81E-03	6.56E-04
39	609376.6	4170746.82	1.67E-02	7.45E-03	2.78E-03	1.30E-03	2.05E-03	7.43E-04
40	609386.45	4170746.87	1.85E-02	8.22E-03	3.07E-03	1.44E-03	2.26E-03	8.20E-04
41	609396.29	4170746.91	2.01E-02	8.94E-03	3.34E-03	1.56E-03	2.46E-03	8.91E-04
42	609406.13	4170746.96	2.15E-02	9.57E-03	3.57E-03	1.67E-03	2.64E-03	9.54E-04
43	609415.98	4170747	2.28E-02	1.01E-02	3.78E-03	1.77E-03	2.79E-03	1.01E-03
44	609425.82	4170747.05	2.38E-02	1.06E-02	3.96E-03	1.85E-03	2.92E-03	1.06E-03
45	609435.66	4170747.09	2.48E-02	1.10E-02	4.12E-03	1.93E-03	3.04E-03	1.10E-03
46	609445.51	4170747.14	2.56E-02	1.14E-02	4.25E-03	1.99E-03	3.14E-03	1.14E-03
47	609455.35	4170747.18	2.63E-02	1.17E-02	4.37E-03	2.05E-03	3.23E-03	1.17E-03
48	609465.19	4170747.22	2.70E-02	1.20E-02	4.48E-03	2.09E-03	3.31E-03	1.20E-03

49	609475.04	4170747.27	2.75E-02	1.22E-02	4.57E-03	2.14E-03	3.37E-03	1.22E-03
50	609484.88	4170747.31	2.80E-02	1.24E-02	4.65E-03	2.17E-03	3.43E-03	1.24E-03
51	609494.72	4170747.36	2.83E-02	1.26E-02	4.71E-03	2.20E-03	3.48E-03	1.26E-03
52	609504.57	4170747.4	2.87E-02	1.28E-02	4.76E-03	2.23E-03	3.51E-03	1.27E-03
53	609514.41	4170747.45	2.90E-02	1.29E-02	4.81E-03	2.25E-03	3.55E-03	1.29E-03
54	609524.25	4170747.49	2.92E-02	1.30E-02	4.85E-03	2.27E-03	3.58E-03	1.30E-03
55	609534.1	4170747.54	2.93E-02	1.30E-02	4.87E-03	2.28E-03	3.59E-03	1.30E-03
56	609543.94	4170747.58	2.93E-02	1.30E-02	4.87E-03	2.28E-03	3.59E-03	1.30E-03
57	609553.78	4170747.63	2.92E-02	1.30E-02	4.85E-03	2.27E-03	3.58E-03	1.30E-03
58	609563.63	4170747.67	2.90E-02	1.29E-02	4.81E-03	2.25E-03	3.55E-03	1.29E-03
59	609573.47	4170747.72	2.85E-02	1.27E-02	4.74E-03	2.22E-03	3.50E-03	1.27E-03
60	609583.31	4170747.76	2.79E-02	1.24E-02	4.63E-03	2.17E-03	3.42E-03	1.24E-03
61	609593.16	4170747.81	2.68E-02	1.19E-02	4.46E-03	2.08E-03	3.29E-03	1.19E-03
62	609300.55	4170753.5	3.67E-03	1.64E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
63	609283.5	4170740.32	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04
64	609317.5	4170756.55	4.49E-03	2.00E-03	7.45E-04	3.49E-04	5.50E-04	1.99E-04
65	609327.34	4170756.6	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.50E-04	2.35E-04
66	609356.87	4170756.73	9.17E-03	4.08E-03	1.52E-03	7.13E-04	1.12E-03	4.07E-04
67	609366.71	4170756.78	1.07E-02	4.75E-03	1.77E-03	8.29E-04	1.31E-03	4.73E-04
68	609376.56	4170756.82	1.21E-02	5.38E-03	2.01E-03	9.39E-04	1.48E-03	5.37E-04
69	609386.4	4170756.87	1.34E-02	5.96E-03	2.23E-03	1.04E-03	1.64E-03	5.95E-04
70	609396.24	4170756.91	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
71	609406.09	4170756.96	1.57E-02	7.00E-03	2.61E-03	1.22E-03	1.93E-03	6.98E-04
72	609415.93	4170757	1.67E-02	7.44E-03	2.78E-03	1.30E-03	2.05E-03	7.42E-04
73	609425.77	4170757.05	1.77E-02	7.86E-03	2.93E-03	1.37E-03	2.17E-03	7.84E-04
74	609435.62	4170757.09	1.85E-02	8.24E-03	3.07E-03	1.44E-03	2.27E-03	8.21E-04
75	609445.46	4170757.14	1.92E-02	8.57E-03	3.20E-03	1.50E-03	2.36E-03	8.54E-04
76	609455.3	4170757.18	1.99E-02	8.85E-03	3.30E-03	1.54E-03	2.44E-03	8.82E-04
77	609465.15	4170757.22	2.04E-02	9.10E-03	3.40E-03	1.59E-03	2.51E-03	9.07E-04
78	609474.99	4170757.27	2.09E-02	9.31E-03	3.48E-03	1.63E-03	2.57E-03	9.29E-04
79	609484.83	4170757.31	2.14E-02	9.50E-03	3.55E-03	1.66E-03	2.62E-03	9.48E-04
80	609494.68	4170757.36	2.17E-02	9.66E-03	3.61E-03	1.69E-03	2.66E-03	9.63E-04
81	609504.52	4170757.4	2.20E-02	9.79E-03	3.65E-03	1.71E-03	2.70E-03	9.77E-04
82	609514.36	4170757.45	2.22E-02	9.90E-03	3.70E-03	1.73E-03	2.73E-03	9.87E-04
83	609524.21	4170757.49	2.24E-02	9.98E-03	3.73E-03	1.74E-03	2.75E-03	9.96E-04
84	609534.05	4170757.54	2.25E-02	1.00E-02	3.74E-03	1.75E-03	2.76E-03	1.00E-03
85	609543.89	4170757.58	2.26E-02	1.01E-02	3.75E-03	1.76E-03	2.77E-03	1.00E-03
86	609553.74	4170757.63	2.26E-02	1.00E-02	3.75E-03	1.75E-03	2.77E-03	1.00E-03
87	609563.58	4170757.67	2.25E-02	9.99E-03	3.73E-03	1.74E-03	2.75E-03	9.97E-04
88	609573.42	4170757.72	2.22E-02	9.87E-03	3.68E-03	1.72E-03	2.72E-03	9.84E-04
89	609583.27	4170757.76	2.17E-02	9.68E-03	3.61E-03	1.69E-03	2.67E-03	9.65E-04
90	609593.11	4170757.81	2.11E-02	9.38E-03	3.50E-03	1.64E-03	2.58E-03	9.35E-04
91	609300.51	4170763.5	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
92	609286.3	4170757.49	2.97E-03	1.32E-03	4.93E-04	2.31E-04	3.64E-04	1.32E-04
93	609276.35	4170747.32	2.92E-03	1.30E-03	4.86E-04	2.27E-04	3.59E-04	1.30E-04
94	609317.45	4170766.55	3.88E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
95	609327.3	4170766.6	4.46E-03	1.99E-03	7.41E-04	3.47E-04	5.47E-04	1.98E-04
96	609298.69	4170772.75	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
97	609289.81	4170768.99	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
98	609280.93	4170765.24	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
99	609268.49	4170752.52	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
100	609264.92	4170743.56	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04

101	609307.56	4170776.51	3.04E-03	1.35E-03	5.06E-04	2.36E-04	3.73E-04	1.35E-04
102	609317.41	4170776.55	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
103	609327.25	4170776.6	3.83E-03	1.71E-03	6.37E-04	2.98E-04	4.70E-04	1.70E-04
104	609366.62	4170776.78	6.48E-03	2.89E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
105	609376.47	4170776.82	7.27E-03	3.23E-03	1.21E-03	5.65E-04	8.91E-04	3.22E-04
106	609386.31	4170776.87	8.04E-03	3.58E-03	1.33E-03	6.24E-04	9.85E-04	3.57E-04
107	609396.15	4170776.91	8.78E-03	3.91E-03	1.46E-03	6.82E-04	1.08E-03	3.90E-04
108	609406	4170776.96	9.49E-03	4.22E-03	1.58E-03	7.37E-04	1.16E-03	4.21E-04
109	609415.84	4170777	1.02E-02	4.52E-03	1.69E-03	7.90E-04	1.25E-03	4.51E-04
110	609425.68	4170777.05	1.08E-02	4.81E-03	1.80E-03	8.40E-04	1.33E-03	4.80E-04
111	609435.53	4170777.09	1.14E-02	5.08E-03	1.90E-03	8.87E-04	1.40E-03	5.07E-04
112	609445.37	4170777.13	1.20E-02	5.33E-03	1.99E-03	9.30E-04	1.47E-03	5.31E-04
113	609455.21	4170777.18	1.24E-02	5.54E-03	2.07E-03	9.67E-04	1.53E-03	5.52E-04
114	609465.06	4170777.22	1.29E-02	5.73E-03	2.14E-03	1.00E-03	1.58E-03	5.72E-04
115	609474.9	4170777.27	1.33E-02	5.91E-03	2.20E-03	1.03E-03	1.63E-03	5.89E-04
116	609484.74	4170777.31	1.36E-02	6.06E-03	2.26E-03	1.06E-03	1.67E-03	6.05E-04
117	609494.59	4170777.36	1.39E-02	6.20E-03	2.31E-03	1.08E-03	1.71E-03	6.18E-04
118	609504.43	4170777.4	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.29E-04
119	609514.27	4170777.45	1.44E-02	6.40E-03	2.39E-03	1.12E-03	1.76E-03	6.39E-04
120	609524.12	4170777.49	1.46E-02	6.48E-03	2.42E-03	1.13E-03	1.79E-03	6.46E-04
121	609533.96	4170777.54	1.47E-02	6.54E-03	2.44E-03	1.14E-03	1.80E-03	6.52E-04
122	609543.8	4170777.58	1.48E-02	6.57E-03	2.45E-03	1.15E-03	1.81E-03	6.56E-04
123	609553.65	4170777.63	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04
124	609563.49	4170777.67	1.48E-02	6.58E-03	2.46E-03	1.15E-03	1.81E-03	6.56E-04
125	609573.33	4170777.72	1.47E-02	6.53E-03	2.44E-03	1.14E-03	1.80E-03	6.52E-04
126	609583.18	4170777.76	1.45E-02	6.45E-03	2.41E-03	1.13E-03	1.78E-03	6.43E-04
127	609593.02	4170777.8	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.30E-04
128	609298.99	4170782.9	2.62E-03	1.16E-03	4.35E-04	2.03E-04	3.21E-04	1.16E-04
129	609290.47	4170779.29	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
130	609281.95	4170775.69	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
131	609273.43	4170772.08	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.82E-04	1.02E-04
132	609261.48	4170759.87	2.27E-03	1.01E-03	3.77E-04	1.77E-04	2.79E-04	1.01E-04
133	609258.06	4170751.27	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.86E-04	1.04E-04
134	609307.52	4170786.51	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
135	609317.36	4170786.55	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
136	609327.2	4170786.6	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
137	609366.58	4170786.78	5.33E-03	2.37E-03	8.85E-04	4.14E-04	6.53E-04	2.36E-04
138	609376.42	4170786.82	5.92E-03	2.64E-03	9.84E-04	4.60E-04	7.26E-04	2.63E-04
139	609386.26	4170786.87	6.53E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
140	609396.11	4170786.91	7.12E-03	3.17E-03	1.18E-03	5.53E-04	8.73E-04	3.16E-04
141	609405.95	4170786.96	7.69E-03	3.42E-03	1.28E-03	5.98E-04	9.43E-04	3.42E-04
142	609415.79	4170787	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
143	609425.64	4170787.05	8.79E-03	3.91E-03	1.46E-03	6.83E-04	1.08E-03	3.90E-04
144	609435.48	4170787.09	9.30E-03	4.14E-03	1.54E-03	7.22E-04	1.14E-03	4.13E-04
145	609445.32	4170787.13	9.76E-03	4.35E-03	1.62E-03	7.59E-04	1.20E-03	4.33E-04
146	609455.17	4170787.18	1.02E-02	4.53E-03	1.69E-03	7.91E-04	1.25E-03	4.52E-04
147	609465.01	4170787.22	1.06E-02	4.70E-03	1.75E-03	8.21E-04	1.30E-03	4.69E-04
148	609474.85	4170787.27	1.09E-02	4.86E-03	1.81E-03	8.48E-04	1.34E-03	4.84E-04
149	609484.7	4170787.31	1.12E-02	4.99E-03	1.86E-03	8.72E-04	1.38E-03	4.98E-04
150	609494.54	4170787.36	1.15E-02	5.12E-03	1.91E-03	8.93E-04	1.41E-03	5.10E-04
151	609504.38	4170787.4	1.17E-02	5.22E-03	1.95E-03	9.12E-04	1.44E-03	5.21E-04
152	609514.23	4170787.45	1.19E-02	5.31E-03	1.98E-03	9.27E-04	1.46E-03	5.30E-04

153	609524.07	4170787.49	1.21E-02	5.39E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
154	609533.91	4170787.54	1.22E-02	5.44E-03	2.03E-03	9.50E-04	1.50E-03	5.43E-04
155	609543.76	4170787.58	1.23E-02	5.48E-03	2.05E-03	9.57E-04	1.51E-03	5.47E-04
156	609553.6	4170787.63	1.24E-02	5.50E-03	2.05E-03	9.61E-04	1.52E-03	5.49E-04
157	609563.44	4170787.67	1.24E-02	5.51E-03	2.05E-03	9.61E-04	1.52E-03	5.49E-04
158	609573.29	4170787.72	1.23E-02	5.48E-03	2.05E-03	9.57E-04	1.51E-03	5.47E-04
159	609583.13	4170787.76	1.22E-02	5.43E-03	2.03E-03	9.48E-04	1.50E-03	5.41E-04
160	609592.97	4170787.8	1.20E-02	5.34E-03	1.99E-03	9.32E-04	1.47E-03	5.32E-04
161	609299.19	4170793	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
162	609290.9	4170789.49	2.30E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
163	609274.33	4170782.48	2.14E-03	9.51E-04	3.55E-04	1.66E-04	2.62E-04	9.48E-05
164	609254.43	4170767.1	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
165	609307.47	4170796.51	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.02E-04	1.09E-04
166	609317.32	4170796.55	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
167	609327.16	4170796.6	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
168	609356.69	4170796.73	4.04E-03	1.80E-03	6.71E-04	3.14E-04	4.95E-04	1.79E-04
169	609366.53	4170796.78	4.48E-03	1.99E-03	7.44E-04	3.48E-04	5.49E-04	1.99E-04
170	609376.38	4170796.82	4.95E-03	2.20E-03	8.22E-04	3.84E-04	6.07E-04	2.20E-04
171	609386.22	4170796.87	5.42E-03	2.41E-03	9.01E-04	4.21E-04	6.65E-04	2.41E-04
172	609396.06	4170796.91	5.90E-03	2.63E-03	9.80E-04	4.59E-04	7.23E-04	2.62E-04
173	609405.91	4170796.96	6.37E-03	2.84E-03	1.06E-03	4.95E-04	7.81E-04	2.83E-04
174	609415.75	4170797	6.83E-03	3.04E-03	1.13E-03	5.31E-04	8.37E-04	3.03E-04
175	609425.59	4170797.05	7.28E-03	3.24E-03	1.21E-03	5.66E-04	8.92E-04	3.23E-04
176	609435.44	4170797.09	7.71E-03	3.43E-03	1.28E-03	5.99E-04	9.45E-04	3.42E-04
177	609445.28	4170797.13	8.10E-03	3.61E-03	1.35E-03	6.30E-04	9.94E-04	3.60E-04
178	609455.12	4170797.18	8.47E-03	3.77E-03	1.41E-03	6.58E-04	1.04E-03	3.76E-04
179	609464.97	4170797.22	8.80E-03	3.92E-03	1.46E-03	6.84E-04	1.08E-03	3.91E-04
180	609474.81	4170797.27	9.11E-03	4.05E-03	1.51E-03	7.08E-04	1.12E-03	4.04E-04
181	609484.65	4170797.31	9.39E-03	4.18E-03	1.56E-03	7.29E-04	1.15E-03	4.17E-04
182	609494.5	4170797.36	9.63E-03	4.29E-03	1.60E-03	7.49E-04	1.18E-03	4.28E-04
183	609504.34	4170797.4	9.85E-03	4.39E-03	1.64E-03	7.66E-04	1.21E-03	4.37E-04
184	609514.18	4170797.45	1.00E-02	4.47E-03	1.67E-03	7.80E-04	1.23E-03	4.46E-04
185	609524.03	4170797.49	1.02E-02	4.54E-03	1.69E-03	7.93E-04	1.25E-03	4.53E-04
186	609533.87	4170797.54	1.03E-02	4.60E-03	1.72E-03	8.03E-04	1.27E-03	4.58E-04
187	609543.71	4170797.58	1.04E-02	4.64E-03	1.73E-03	8.10E-04	1.28E-03	4.63E-04
188	609553.56	4170797.63	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.65E-04
189	609563.4	4170797.67	1.05E-02	4.68E-03	1.75E-03	8.16E-04	1.29E-03	4.66E-04
190	609573.24	4170797.72	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.65E-04
191	609583.09	4170797.76	1.04E-02	4.63E-03	1.73E-03	8.09E-04	1.28E-03	4.62E-04
192	609592.93	4170797.8	1.03E-02	4.57E-03	1.71E-03	7.98E-04	1.26E-03	4.56E-04
193	609299.31	4170803.07	2.17E-03	9.66E-04	3.61E-04	1.69E-04	2.66E-04	9.64E-05
194	609283.08	4170796.2	2.04E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.07E-05
195	609266.84	4170789.33	1.92E-03	8.53E-04	3.19E-04	1.49E-04	2.35E-04	8.51E-05
196	609247.35	4170774.27	1.83E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.14E-05
197	609317.27	4170806.55	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.97E-04	1.07E-04
198	609327.11	4170806.6	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
199	609356.64	4170806.73	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
200	609366.49	4170806.78	3.84E-03	1.71E-03	6.38E-04	2.98E-04	4.71E-04	1.70E-04
201	609376.33	4170806.82	4.21E-03	1.87E-03	6.99E-04	3.27E-04	5.16E-04	1.87E-04
202	609386.17	4170806.87	4.59E-03	2.04E-03	7.63E-04	3.57E-04	5.63E-04	2.04E-04
203	609396.02	4170806.91	4.98E-03	2.22E-03	8.27E-04	3.87E-04	6.10E-04	2.21E-04
204	609405.86	4170806.96	5.36E-03	2.39E-03	8.91E-04	4.17E-04	6.58E-04	2.38E-04

205	609415.7	4170807	5.74E-03	2.56E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
206	609425.55	4170807.05	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.72E-04
207	609435.39	4170807.09	6.48E-03	2.88E-03	1.08E-03	5.03E-04	7.94E-04	2.87E-04
208	609445.23	4170807.13	6.82E-03	3.03E-03	1.13E-03	5.30E-04	8.36E-04	3.03E-04
209	609455.08	4170807.18	7.13E-03	3.17E-03	1.18E-03	5.54E-04	8.74E-04	3.17E-04
210	609464.92	4170807.22	7.43E-03	3.30E-03	1.23E-03	5.77E-04	9.10E-04	3.30E-04
211	609474.76	4170807.27	7.70E-03	3.43E-03	1.28E-03	5.98E-04	9.44E-04	3.42E-04
212	609484.61	4170807.31	7.95E-03	3.54E-03	1.32E-03	6.18E-04	9.75E-04	3.53E-04
213	609494.45	4170807.36	8.18E-03	3.64E-03	1.36E-03	6.35E-04	1.00E-03	3.63E-04
214	609504.29	4170807.4	8.38E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
215	609514.14	4170807.45	8.55E-03	3.81E-03	1.42E-03	6.65E-04	1.05E-03	3.80E-04
216	609523.98	4170807.49	8.70E-03	3.87E-03	1.45E-03	6.76E-04	1.07E-03	3.86E-04
217	609533.82	4170807.54	8.83E-03	3.93E-03	1.47E-03	6.86E-04	1.08E-03	3.92E-04
218	609543.67	4170807.58	8.93E-03	3.97E-03	1.48E-03	6.94E-04	1.09E-03	3.96E-04
219	609553.51	4170807.63	9.00E-03	4.00E-03	1.49E-03	6.99E-04	1.10E-03	3.99E-04
220	609563.35	4170807.67	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
221	609573.2	4170807.72	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
222	609583.04	4170807.76	8.99E-03	4.00E-03	1.49E-03	6.98E-04	1.10E-03	3.99E-04
223	609592.88	4170807.8	8.90E-03	3.96E-03	1.48E-03	6.91E-04	1.09E-03	3.95E-04
224	609299.39	4170813.13	1.99E-03	8.86E-04	3.31E-04	1.55E-04	2.44E-04	8.83E-05
225	609283.41	4170806.36	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
226	609267.43	4170799.6	1.79E-03	7.96E-04	2.97E-04	1.39E-04	2.19E-04	7.94E-05
227	609317.22	4170816.55	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
228	609327.07	4170816.6	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
229	609336.91	4170816.64	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
230	609356.6	4170816.73	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
231	609366.44	4170816.78	3.34E-03	1.49E-03	5.55E-04	2.59E-04	4.09E-04	1.48E-04
232	609376.28	4170816.82	3.64E-03	1.62E-03	6.04E-04	2.83E-04	4.46E-04	1.61E-04
233	609386.13	4170816.87	3.95E-03	1.76E-03	6.56E-04	3.07E-04	4.84E-04	1.75E-04
234	609395.97	4170816.91	4.26E-03	1.90E-03	7.08E-04	3.31E-04	5.23E-04	1.89E-04
235	609405.81	4170816.96	4.58E-03	2.04E-03	7.61E-04	3.56E-04	5.62E-04	2.03E-04
236	609415.66	4170817	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
237	609425.5	4170817.05	5.21E-03	2.32E-03	8.66E-04	4.05E-04	6.39E-04	2.31E-04
238	609435.34	4170817.09	5.52E-03	2.45E-03	9.16E-04	4.29E-04	6.76E-04	2.45E-04
239	609445.19	4170817.13	5.81E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
240	609455.03	4170817.18	6.08E-03	2.71E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
241	609464.87	4170817.22	6.34E-03	2.82E-03	1.05E-03	4.92E-04	7.77E-04	2.81E-04
242	609474.72	4170817.27	6.58E-03	2.93E-03	1.09E-03	5.11E-04	8.06E-04	2.92E-04
243	609484.56	4170817.31	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.34E-04	3.02E-04
244	609494.4	4170817.36	7.01E-03	3.12E-03	1.16E-03	5.45E-04	8.60E-04	3.11E-04
245	609504.25	4170817.4	7.20E-03	3.20E-03	1.20E-03	5.59E-04	8.83E-04	3.20E-04
246	609514.09	4170817.45	7.36E-03	3.28E-03	1.22E-03	5.72E-04	9.03E-04	3.27E-04
247	609523.93	4170817.49	7.50E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
248	609533.78	4170817.54	7.62E-03	3.39E-03	1.27E-03	5.92E-04	9.35E-04	3.38E-04
249	609543.62	4170817.58	7.72E-03	3.44E-03	1.28E-03	6.00E-04	9.47E-04	3.43E-04
250	609553.46	4170817.63	7.79E-03	3.47E-03	1.29E-03	6.06E-04	9.56E-04	3.46E-04
251	609563.31	4170817.67	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
252	609573.15	4170817.72	7.85E-03	3.50E-03	1.30E-03	6.10E-04	9.63E-04	3.49E-04
253	609582.99	4170817.76	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
254	609592.84	4170817.8	7.78E-03	3.46E-03	1.29E-03	6.04E-04	9.53E-04	3.45E-04
255	609298.46	4170822.75	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
256	609289.58	4170818.99	1.78E-03	7.92E-04	2.96E-04	1.38E-04	2.18E-04	7.90E-05

257	609280.7	4170815.24	1.74E-03	7.73E-04	2.88E-04	1.35E-04	2.13E-04	7.70E-05
258	609214.93	4170742.7	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05
259	609211.37	4170733.74	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
260	609307.34	4170826.51	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
261	609317.18	4170826.55	2.00E-03	8.89E-04	3.32E-04	1.55E-04	2.45E-04	8.86E-05
262	609327.02	4170826.6	2.14E-03	9.53E-04	3.56E-04	1.66E-04	2.63E-04	9.50E-05
263	609336.87	4170826.64	2.31E-03	1.03E-03	3.84E-04	1.79E-04	2.83E-04	1.02E-04
264	609356.55	4170826.73	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
265	609366.4	4170826.78	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.60E-04	1.30E-04
266	609376.24	4170826.82	3.18E-03	1.42E-03	5.28E-04	2.47E-04	3.90E-04	1.41E-04
267	609386.08	4170826.87	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.21E-04	1.52E-04
268	609395.93	4170826.91	3.70E-03	1.65E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
269	609405.77	4170826.96	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
270	609415.61	4170827	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
271	609425.46	4170827.04	4.49E-03	2.00E-03	7.47E-04	3.49E-04	5.51E-04	1.99E-04
272	609435.3	4170827.09	4.75E-03	2.11E-03	7.89E-04	3.69E-04	5.83E-04	2.11E-04
273	609445.14	4170827.13	5.00E-03	2.23E-03	8.31E-04	3.89E-04	6.13E-04	2.22E-04
274	609454.99	4170827.18	5.24E-03	2.33E-03	8.70E-04	4.07E-04	6.42E-04	2.33E-04
275	609464.83	4170827.22	5.46E-03	2.43E-03	9.08E-04	4.25E-04	6.70E-04	2.43E-04
276	609474.67	4170827.27	5.68E-03	2.53E-03	9.43E-04	4.41E-04	6.96E-04	2.52E-04
277	609484.52	4170827.31	5.88E-03	2.62E-03	9.77E-04	4.57E-04	7.21E-04	2.61E-04
278	609494.36	4170827.36	6.07E-03	2.70E-03	1.01E-03	4.72E-04	7.44E-04	2.69E-04
279	609504.2	4170827.4	6.24E-03	2.78E-03	1.04E-03	4.85E-04	7.65E-04	2.77E-04
280	609514.05	4170827.45	6.39E-03	2.84E-03	1.06E-03	4.97E-04	7.84E-04	2.84E-04
281	609523.89	4170827.49	6.53E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
282	609533.73	4170827.54	6.64E-03	2.96E-03	1.10E-03	5.16E-04	8.14E-04	2.95E-04
283	609543.58	4170827.58	6.74E-03	3.00E-03	1.12E-03	5.23E-04	8.26E-04	2.99E-04
284	609553.42	4170827.63	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.35E-04	3.02E-04
285	609563.26	4170827.67	6.86E-03	3.05E-03	1.14E-03	5.33E-04	8.41E-04	3.05E-04
286	609573.11	4170827.71	6.89E-03	3.07E-03	1.14E-03	5.35E-04	8.45E-04	3.06E-04
287	609582.95	4170827.76	6.88E-03	3.06E-03	1.14E-03	5.35E-04	8.44E-04	3.06E-04
288	609592.79	4170827.8	6.85E-03	3.05E-03	1.14E-03	5.32E-04	8.40E-04	3.04E-04
289	609298.61	4170832.83	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
290	609289.93	4170829.16	1.65E-03	7.35E-04	2.74E-04	1.28E-04	2.02E-04	7.33E-05
291	609246.53	4170810.79	1.46E-03	6.50E-04	2.43E-04	1.14E-04	1.79E-04	6.49E-05
292	609237.85	4170807.11	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
293	609225.68	4170794.68	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
294	609222.2	4170785.92	1.44E-03	6.41E-04	2.39E-04	1.12E-04	1.77E-04	6.39E-05
295	609218.71	4170777.16	1.47E-03	6.54E-04	2.44E-04	1.14E-04	1.80E-04	6.52E-05
296	609208.26	4170750.89	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
297	609204.78	4170742.13	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
298	609201.29	4170733.37	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
299	609307.29	4170836.51	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
300	609317.13	4170836.55	1.83E-03	8.14E-04	3.04E-04	1.42E-04	2.24E-04	8.12E-05
301	609326.98	4170836.6	1.95E-03	8.68E-04	3.24E-04	1.52E-04	2.39E-04	8.66E-05
302	609356.51	4170836.73	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.96E-04	1.07E-04
303	609366.35	4170836.78	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
304	609376.19	4170836.82	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
305	609386.04	4170836.87	3.02E-03	1.34E-03	5.02E-04	2.35E-04	3.70E-04	1.34E-04
306	609395.88	4170836.91	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
307	609405.72	4170836.96	3.46E-03	1.54E-03	5.76E-04	2.69E-04	4.25E-04	1.54E-04
308	609415.57	4170837	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.53E-04	1.64E-04

309	609425.41	4170837.04	3.92E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
310	609435.25	4170837.09	4.14E-03	1.84E-03	6.87E-04	3.21E-04	5.07E-04	1.84E-04
311	609445.1	4170837.13	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.34E-04	1.93E-04
312	609454.94	4170837.18	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
313	609464.78	4170837.22	4.76E-03	2.12E-03	7.91E-04	3.70E-04	5.84E-04	2.11E-04
314	609474.63	4170837.27	4.95E-03	2.20E-03	8.22E-04	3.85E-04	6.07E-04	2.20E-04
315	609484.47	4170837.31	5.13E-03	2.28E-03	8.52E-04	3.99E-04	6.29E-04	2.28E-04
316	609494.31	4170837.36	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.49E-04	2.35E-04
317	609504.16	4170837.4	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.69E-04	2.42E-04
318	609514	4170837.45	5.59E-03	2.49E-03	9.29E-04	4.35E-04	6.86E-04	2.48E-04
319	609523.84	4170837.49	5.72E-03	2.54E-03	9.50E-04	4.44E-04	7.01E-04	2.54E-04
320	609533.69	4170837.54	5.83E-03	2.59E-03	9.68E-04	4.53E-04	7.14E-04	2.59E-04
321	609543.53	4170837.58	5.92E-03	2.63E-03	9.83E-04	4.60E-04	7.26E-04	2.63E-04
322	609553.37	4170837.63	5.99E-03	2.67E-03	9.96E-04	4.66E-04	7.35E-04	2.66E-04
323	609563.22	4170837.67	6.05E-03	2.69E-03	1.00E-03	4.70E-04	7.42E-04	2.69E-04
324	609573.06	4170837.71	6.08E-03	2.71E-03	1.01E-03	4.73E-04	7.46E-04	2.70E-04
325	609582.9	4170837.76	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
326	609592.75	4170837.8	6.07E-03	2.70E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
327	609264.63	4170828.47	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
328	609256.11	4170824.86	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.28E-05
329	609247.59	4170821.26	1.38E-03	6.15E-04	2.29E-04	1.07E-04	1.69E-04	6.13E-05
330	609239.06	4170817.65	1.35E-03	5.99E-04	2.24E-04	1.05E-04	1.65E-04	5.98E-05
331	609230.54	4170814.04	1.31E-03	5.83E-04	2.18E-04	1.02E-04	1.61E-04	5.81E-05
332	609218.6	4170801.83	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
333	609215.18	4170793.23	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
334	609211.75	4170784.64	1.35E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
335	609201.49	4170758.84	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
336	609198.07	4170750.24	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
337	609194.65	4170741.64	1.43E-03	6.34E-04	2.37E-04	1.11E-04	1.75E-04	6.33E-05
338	609191.23	4170733.04	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
339	609356.46	4170846.73	2.17E-03	9.68E-04	3.61E-04	1.69E-04	2.67E-04	9.65E-05
340	609366.31	4170846.78	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
341	609376.15	4170846.82	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
342	609385.99	4170846.87	2.68E-03	1.19E-03	4.46E-04	2.08E-04	3.29E-04	1.19E-04
343	609395.84	4170846.91	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.52E-04	1.27E-04
344	609405.68	4170846.96	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
345	609415.52	4170847	3.25E-03	1.45E-03	5.40E-04	2.52E-04	3.98E-04	1.44E-04
346	609425.37	4170847.04	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
347	609454.9	4170847.18	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
348	609464.74	4170847.22	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.12E-04	1.85E-04
349	609474.58	4170847.27	4.35E-03	1.93E-03	7.22E-04	3.38E-04	5.33E-04	1.93E-04
350	609484.43	4170847.31	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
351	609494.27	4170847.36	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.71E-04	2.07E-04
352	609504.11	4170847.4	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
353	609533.64	4170847.54	5.15E-03	2.29E-03	8.55E-04	4.00E-04	6.31E-04	2.29E-04
354	609543.49	4170847.58	5.24E-03	2.33E-03	8.70E-04	4.07E-04	6.42E-04	2.32E-04
355	609553.33	4170847.63	5.31E-03	2.36E-03	8.82E-04	4.13E-04	6.51E-04	2.36E-04
356	609563.17	4170847.67	5.37E-03	2.39E-03	8.92E-04	4.17E-04	6.58E-04	2.38E-04
357	609573.02	4170847.71	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04
358	609582.86	4170847.76	5.42E-03	2.41E-03	9.01E-04	4.21E-04	6.65E-04	2.41E-04
359	609592.7	4170847.8	5.42E-03	2.41E-03	9.00E-04	4.21E-04	6.64E-04	2.40E-04
360	609273.63	4170842.3	1.38E-03	6.15E-04	2.30E-04	1.07E-04	1.69E-04	6.13E-05

361	609265.23	4170838.74	1.36E-03	6.04E-04	2.25E-04	1.05E-04	1.66E-04	6.03E-05
362	609256.84	4170835.19	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
363	609248.44	4170831.64	1.30E-03	5.81E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
364	609240.05	4170828.09	1.28E-03	5.68E-04	2.12E-04	9.92E-05	1.56E-04	5.66E-05
365	609231.66	4170824.53	1.25E-03	5.55E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
366	609223.26	4170820.98	1.21E-03	5.40E-04	2.02E-04	9.43E-05	1.49E-04	5.39E-05
367	609211.5	4170808.96	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
368	609208.13	4170800.49	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
369	609204.76	4170792.02	1.26E-03	5.59E-04	2.09E-04	9.75E-05	1.54E-04	5.57E-05
370	609194.66	4170766.61	1.30E-03	5.80E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
371	609187.92	4170749.67	1.32E-03	5.88E-04	2.20E-04	1.03E-04	1.62E-04	5.87E-05
372	609184.55	4170741.21	1.33E-03	5.90E-04	2.20E-04	1.03E-04	1.63E-04	5.88E-05
373	609181.18	4170732.74	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.89E-05
374	609307.2	4170856.51	1.48E-03	6.57E-04	2.45E-04	1.15E-04	1.81E-04	6.55E-05
375	609317.04	4170856.55	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
376	609326.89	4170856.6	1.64E-03	7.30E-04	2.73E-04	1.27E-04	2.01E-04	7.28E-05
377	609336.73	4170856.64	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
378	609356.42	4170856.73	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
379	609366.26	4170856.78	2.10E-03	9.36E-04	3.49E-04	1.63E-04	2.58E-04	9.33E-05
380	609376.1	4170856.82	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.75E-04	9.97E-05
381	609385.95	4170856.87	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
382	609395.79	4170856.91	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
383	609405.63	4170856.96	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
384	609415.48	4170857	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
385	609425.32	4170857.04	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
386	609454.85	4170857.18	3.54E-03	1.58E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
387	609464.69	4170857.22	3.69E-03	1.64E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
388	609474.54	4170857.27	3.84E-03	1.71E-03	6.39E-04	2.99E-04	4.71E-04	1.71E-04
389	609484.38	4170857.31	3.99E-03	1.77E-03	6.62E-04	3.10E-04	4.89E-04	1.77E-04
390	609494.22	4170857.36	4.12E-03	1.83E-03	6.85E-04	3.20E-04	5.05E-04	1.83E-04
391	609504.07	4170857.4	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
392	609533.6	4170857.54	4.58E-03	2.04E-03	7.60E-04	3.56E-04	5.61E-04	2.03E-04
393	609543.44	4170857.58	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.72E-04	2.07E-04
394	609553.28	4170857.63	4.73E-03	2.11E-03	7.86E-04	3.68E-04	5.80E-04	2.10E-04
395	609563.13	4170857.67	4.79E-03	2.13E-03	7.96E-04	3.72E-04	5.87E-04	2.13E-04
396	609572.97	4170857.71	4.83E-03	2.15E-03	8.02E-04	3.75E-04	5.92E-04	2.14E-04
397	609582.81	4170857.76	4.85E-03	2.16E-03	8.06E-04	3.77E-04	5.95E-04	2.15E-04
398	609592.66	4170857.8	4.86E-03	2.16E-03	8.07E-04	3.77E-04	5.96E-04	2.16E-04
399	609298.12	4170862.68	1.35E-03	6.01E-04	2.24E-04	1.05E-04	1.66E-04	5.99E-05
400	609271	4170851.2	1.29E-03	5.73E-04	2.14E-04	1.00E-04	1.58E-04	5.72E-05
401	609261.96	4170847.38	1.27E-03	5.64E-04	2.10E-04	9.84E-05	1.55E-04	5.62E-05
402	609252.92	4170843.55	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
403	609243.88	4170839.73	1.22E-03	5.42E-04	2.02E-04	9.46E-05	1.49E-04	5.40E-05
404	609234.84	4170835.9	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.28E-05
405	609225.8	4170832.07	1.16E-03	5.17E-04	1.93E-04	9.03E-05	1.42E-04	5.16E-05
406	609216.76	4170828.25	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.02E-05
407	609204.09	4170815.3	1.13E-03	5.01E-04	1.87E-04	8.75E-05	1.38E-04	5.00E-05
408	609200.47	4170806.18	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.10E-05
409	609196.84	4170797.06	1.17E-03	5.22E-04	1.95E-04	9.11E-05	1.44E-04	5.20E-05
410	609185.95	4170769.7	1.22E-03	5.42E-04	2.02E-04	9.46E-05	1.49E-04	5.41E-05
411	609182.32	4170760.58	1.23E-03	5.46E-04	2.04E-04	9.53E-05	1.50E-04	5.45E-05
412	609178.7	4170751.46	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05

413	609175.07	4170742.34	1.24E-03	5.50E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
414	609171.44	4170733.22	1.24E-03	5.51E-04	2.06E-04	9.62E-05	1.52E-04	5.49E-05
415	609307.15	4170866.51	1.37E-03	6.10E-04	2.28E-04	1.07E-04	1.68E-04	6.09E-05
416	609317	4170866.55	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.39E-05
417	609326.84	4170866.6	1.51E-03	6.74E-04	2.51E-04	1.18E-04	1.86E-04	6.72E-05
418	609336.68	4170866.64	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
419	609356.37	4170866.73	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
420	609366.21	4170866.78	1.91E-03	8.49E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
421	609376.06	4170866.82	2.03E-03	9.03E-04	3.37E-04	1.58E-04	2.49E-04	9.01E-05
422	609385.9	4170866.87	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
423	609395.74	4170866.91	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
424	609405.59	4170866.96	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
425	609415.43	4170867	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
426	609425.27	4170867.04	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.34E-04	1.21E-04
427	609454.8	4170867.18	3.15E-03	1.40E-03	5.23E-04	2.45E-04	3.86E-04	1.40E-04
428	609464.65	4170867.22	3.29E-03	1.46E-03	5.46E-04	2.56E-04	4.03E-04	1.46E-04
429	609474.49	4170867.27	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.20E-04	1.52E-04
430	609484.33	4170867.31	3.55E-03	1.58E-03	5.90E-04	2.76E-04	4.35E-04	1.58E-04
431	609494.18	4170867.36	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
432	609504.02	4170867.4	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.65E-04	1.68E-04
433	609533.55	4170867.54	4.09E-03	1.82E-03	6.79E-04	3.18E-04	5.01E-04	1.82E-04
434	609543.39	4170867.58	4.17E-03	1.86E-03	6.93E-04	3.24E-04	5.11E-04	1.85E-04
435	609553.24	4170867.63	4.24E-03	1.89E-03	7.04E-04	3.29E-04	5.20E-04	1.88E-04
436	609563.08	4170867.67	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
437	609572.92	4170867.71	4.34E-03	1.93E-03	7.21E-04	3.37E-04	5.32E-04	1.93E-04
438	609582.77	4170867.76	4.37E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
439	609592.61	4170867.8	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
440	609298.23	4170872.75	1.26E-03	5.61E-04	2.09E-04	9.80E-05	1.55E-04	5.60E-05
441	609289.35	4170868.99	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
442	609262.72	4170857.72	1.19E-03	5.31E-04	1.98E-04	9.27E-05	1.46E-04	5.30E-05
443	609253.84	4170853.96	1.17E-03	5.22E-04	1.95E-04	9.12E-05	1.44E-04	5.21E-05
444	609244.96	4170850.2	1.15E-03	5.13E-04	1.91E-04	8.96E-05	1.41E-04	5.12E-05
445	609236.09	4170846.45	1.13E-03	5.03E-04	1.88E-04	8.78E-05	1.39E-04	5.02E-05
446	609227.21	4170842.69	1.11E-03	4.93E-04	1.84E-04	8.61E-05	1.36E-04	4.92E-05
447	609218.33	4170838.93	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.81E-05
448	609209.45	4170835.17	1.06E-03	4.70E-04	1.76E-04	8.21E-05	1.30E-04	4.69E-05
449	609197.01	4170822.46	1.05E-03	4.68E-04	1.75E-04	8.17E-05	1.29E-04	4.67E-05
450	609193.45	4170813.5	1.07E-03	4.77E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
451	609189.88	4170804.54	1.09E-03	4.86E-04	1.81E-04	8.49E-05	1.34E-04	4.85E-05
452	609179.19	4170777.67	1.14E-03	5.05E-04	1.89E-04	8.82E-05	1.39E-04	5.04E-05
453	609175.63	4170768.71	1.14E-03	5.09E-04	1.90E-04	8.89E-05	1.40E-04	5.08E-05
454	609172.07	4170759.75	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.11E-05
455	609168.5	4170750.8	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
456	609164.94	4170741.84	1.16E-03	5.15E-04	1.92E-04	8.99E-05	1.42E-04	5.13E-05
457	609161.38	4170732.88	1.16E-03	5.15E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
458	609307.11	4170876.51	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
459	609316.95	4170876.55	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
460	609326.8	4170876.6	1.40E-03	6.24E-04	2.33E-04	1.09E-04	1.72E-04	6.22E-05
461	609336.64	4170876.64	1.47E-03	6.56E-04	2.45E-04	1.15E-04	1.81E-04	6.54E-05
462	609356.33	4170876.73	1.64E-03	7.31E-04	2.73E-04	1.28E-04	2.01E-04	7.29E-05
463	609366.17	4170876.78	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
464	609376.01	4170876.82	1.84E-03	8.20E-04	3.06E-04	1.43E-04	2.26E-04	8.18E-05

465	609385.86	4170876.87	1.95E-03	8.69E-04	3.25E-04	1.52E-04	2.40E-04	8.67E-05
466	609395.7	4170876.91	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.19E-05
467	609405.54	4170876.96	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
468	609415.39	4170877	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
469	609425.23	4170877.04	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
470	609454.76	4170877.18	2.82E-03	1.26E-03	4.69E-04	2.19E-04	3.46E-04	1.25E-04
471	609464.6	4170877.22	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
472	609474.45	4170877.27	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
473	609484.29	4170877.31	3.18E-03	1.42E-03	5.28E-04	2.47E-04	3.90E-04	1.41E-04
474	609494.13	4170877.36	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
475	609503.98	4170877.4	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.17E-04	1.51E-04
476	609533.51	4170877.54	3.67E-03	1.64E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
477	609543.35	4170877.58	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
478	609553.19	4170877.63	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
479	609563.04	4170877.67	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.75E-04	1.72E-04
480	609572.88	4170877.71	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
481	609582.72	4170877.76	3.94E-03	1.76E-03	6.55E-04	3.06E-04	4.84E-04	1.75E-04
482	609592.57	4170877.8	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
483	609298.32	4170882.81	1.18E-03	5.25E-04	1.96E-04	9.16E-05	1.45E-04	5.24E-05
484	609289.58	4170879.11	1.17E-03	5.19E-04	1.94E-04	9.06E-05	1.43E-04	5.18E-05
485	609280.84	4170875.41	1.15E-03	5.13E-04	1.91E-04	8.96E-05	1.41E-04	5.12E-05
486	609254.62	4170864.31	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
487	609245.87	4170860.61	1.09E-03	4.86E-04	1.81E-04	8.48E-05	1.34E-04	4.85E-05
488	609237.13	4170856.91	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
489	609228.39	4170853.21	1.05E-03	4.69E-04	1.75E-04	8.19E-05	1.29E-04	4.68E-05
490	609219.65	4170849.51	1.03E-03	4.60E-04	1.72E-04	8.04E-05	1.27E-04	4.59E-05
491	609210.91	4170845.81	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
492	609202.17	4170842.11	9.90E-04	4.41E-04	1.64E-04	7.69E-05	1.21E-04	4.39E-05
493	609189.92	4170829.59	9.86E-04	4.39E-04	1.64E-04	7.66E-05	1.21E-04	4.38E-05
494	609186.41	4170820.77	1.00E-03	4.47E-04	1.67E-04	7.81E-05	1.23E-04	4.46E-05
495	609182.9	4170811.95	1.02E-03	4.55E-04	1.70E-04	7.94E-05	1.25E-04	4.54E-05
496	609172.37	4170785.49	1.06E-03	4.73E-04	1.76E-04	8.25E-05	1.30E-04	4.71E-05
497	609168.87	4170776.67	1.07E-03	4.77E-04	1.78E-04	8.33E-05	1.31E-04	4.76E-05
498	609165.36	4170767.85	1.08E-03	4.80E-04	1.79E-04	8.38E-05	1.32E-04	4.79E-05
499	609161.85	4170759.03	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.81E-05
500	609158.34	4170750.21	1.08E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.81E-05
501	609154.83	4170741.39	1.08E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.81E-05
502	609151.32	4170732.57	1.08E-03	4.82E-04	1.80E-04	8.42E-05	1.33E-04	4.81E-05
503	609307.06	4170886.51	1.19E-03	5.31E-04	1.98E-04	9.27E-05	1.46E-04	5.30E-05
504	609316.91	4170886.55	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
505	609326.75	4170886.6	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
506	609336.59	4170886.64	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.06E-05
507	609356.28	4170886.73	1.51E-03	6.72E-04	2.51E-04	1.17E-04	1.85E-04	6.70E-05
508	609366.12	4170886.78	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
509	609375.97	4170886.82	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
510	609385.81	4170886.87	1.78E-03	7.91E-04	2.95E-04	1.38E-04	2.18E-04	7.89E-05
511	609395.65	4170886.91	1.88E-03	8.37E-04	3.12E-04	1.46E-04	2.31E-04	8.34E-05
512	609405.5	4170886.96	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
513	609415.34	4170887	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
514	609425.18	4170887.04	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.71E-04	9.79E-05
515	609454.71	4170887.18	2.54E-03	1.13E-03	4.22E-04	1.97E-04	3.12E-04	1.13E-04
516	609464.56	4170887.22	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04

517	609474.4	4170887.27	2.76E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
518	609484.24	4170887.31	2.86E-03	1.27E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
519	609494.09	4170887.36	2.96E-03	1.32E-03	4.92E-04	2.30E-04	3.63E-04	1.32E-04
520	609503.93	4170887.4	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
521	609533.46	4170887.54	3.32E-03	1.48E-03	5.51E-04	2.58E-04	4.06E-04	1.47E-04
522	609543.3	4170887.58	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
523	609553.15	4170887.63	3.45E-03	1.54E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
524	609562.99	4170887.67	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.30E-04	1.56E-04
525	609572.83	4170887.71	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.57E-04
526	609582.68	4170887.76	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.39E-04	1.59E-04
527	609592.52	4170887.8	3.60E-03	1.60E-03	5.98E-04	2.80E-04	4.41E-04	1.60E-04
528	609298.39	4170892.86	1.11E-03	4.92E-04	1.84E-04	8.59E-05	1.36E-04	4.91E-05
529	609289.77	4170889.21	1.09E-03	4.87E-04	1.82E-04	8.51E-05	1.34E-04	4.86E-05
530	609281.15	4170885.56	1.08E-03	4.83E-04	1.80E-04	8.42E-05	1.33E-04	4.81E-05
531	609272.52	4170881.91	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
532	609246.65	4170870.95	1.04E-03	4.61E-04	1.72E-04	8.04E-05	1.27E-04	4.60E-05
533	609238.02	4170867.3	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
534	609229.4	4170863.65	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.46E-05
535	609220.78	4170860	9.88E-04	4.40E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
536	609212.15	4170856.35	9.70E-04	4.32E-04	1.61E-04	7.54E-05	1.19E-04	4.30E-05
537	609203.53	4170852.7	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
538	609194.9	4170849.05	9.31E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
539	609182.82	4170836.7	9.27E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
540	609179.36	4170828	9.44E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
541	609175.89	4170819.3	9.59E-04	4.27E-04	1.59E-04	7.45E-05	1.18E-04	4.26E-05
542	609162.05	4170784.49	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
543	609158.59	4170775.79	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
544	609155.12	4170767.09	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
545	609151.66	4170758.38	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
546	609148.2	4170749.68	1.02E-03	4.54E-04	1.70E-04	7.93E-05	1.25E-04	4.53E-05
547	609144.74	4170740.98	1.02E-03	4.54E-04	1.69E-04	7.92E-05	1.25E-04	4.52E-05
548	609141.28	4170732.28	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
549	609307.02	4170896.51	1.12E-03	4.97E-04	1.86E-04	8.68E-05	1.37E-04	4.96E-05
550	609316.86	4170896.55	1.16E-03	5.17E-04	1.93E-04	9.03E-05	1.42E-04	5.16E-05
551	609326.71	4170896.6	1.21E-03	5.39E-04	2.01E-04	9.42E-05	1.49E-04	5.38E-05
552	609336.55	4170896.64	1.27E-03	5.64E-04	2.10E-04	9.84E-05	1.55E-04	5.62E-05
553	609356.24	4170896.73	1.39E-03	6.20E-04	2.32E-04	1.08E-04	1.71E-04	6.19E-05
554	609366.08	4170896.78	1.47E-03	6.52E-04	2.44E-04	1.14E-04	1.80E-04	6.51E-05
555	609375.92	4170896.82	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
556	609385.77	4170896.87	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
557	609395.61	4170896.91	1.72E-03	7.64E-04	2.85E-04	1.33E-04	2.10E-04	7.62E-05
558	609405.45	4170896.95	1.81E-03	8.05E-04	3.00E-04	1.41E-04	2.22E-04	8.03E-05
559	609415.3	4170897	1.90E-03	8.48E-04	3.16E-04	1.48E-04	2.33E-04	8.45E-05
560	609425.14	4170897.04	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.45E-04	8.89E-05
561	609454.67	4170897.18	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
562	609464.51	4170897.22	2.40E-03	1.07E-03	3.99E-04	1.86E-04	2.94E-04	1.07E-04
563	609474.36	4170897.27	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
564	609484.2	4170897.31	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
565	609494.04	4170897.36	2.68E-03	1.19E-03	4.46E-04	2.08E-04	3.29E-04	1.19E-04
566	609503.89	4170897.4	2.77E-03	1.23E-03	4.60E-04	2.15E-04	3.40E-04	1.23E-04
567	609533.42	4170897.54	3.01E-03	1.34E-03	4.99E-04	2.34E-04	3.69E-04	1.33E-04
568	609543.26	4170897.58	3.07E-03	1.37E-03	5.10E-04	2.39E-04	3.77E-04	1.36E-04

569	609553.1	4170897.62	3.13E-03	1.39E-03	5.20E-04	2.43E-04	3.84E-04	1.39E-04
570	609562.95	4170897.67	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
571	609572.79	4170897.71	3.23E-03	1.44E-03	5.36E-04	2.51E-04	3.96E-04	1.43E-04
572	609582.63	4170897.76	3.26E-03	1.45E-03	5.41E-04	2.53E-04	3.99E-04	1.45E-04
573	609592.48	4170897.8	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
574	609298.45	4170902.9	1.04E-03	4.62E-04	1.72E-04	8.07E-05	1.27E-04	4.61E-05
575	609289.93	4170899.29	1.03E-03	4.58E-04	1.71E-04	8.00E-05	1.26E-04	4.57E-05
576	609281.4	4170895.69	1.02E-03	4.54E-04	1.70E-04	7.93E-05	1.25E-04	4.53E-05
577	609272.88	4170892.08	1.01E-03	4.50E-04	1.68E-04	7.86E-05	1.24E-04	4.49E-05
578	609264.36	4170888.47	1.00E-03	4.46E-04	1.67E-04	7.79E-05	1.23E-04	4.45E-05
579	609238.79	4170877.65	9.70E-04	4.32E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
580	609230.27	4170874.04	9.57E-04	4.26E-04	1.59E-04	7.43E-05	1.17E-04	4.25E-05
581	609221.75	4170870.43	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
582	609213.22	4170866.83	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
583	609204.7	4170863.22	9.12E-04	4.06E-04	1.52E-04	7.09E-05	1.12E-04	4.05E-05
584	609196.18	4170859.61	8.95E-04	3.98E-04	1.49E-04	6.96E-05	1.10E-04	3.97E-05
585	609187.65	4170856	8.77E-04	3.90E-04	1.46E-04	6.82E-05	1.08E-04	3.89E-05
586	609175.71	4170843.8	8.74E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
587	609172.29	4170835.2	8.89E-04	3.96E-04	1.48E-04	6.91E-05	1.09E-04	3.95E-05
588	609168.87	4170826.6	9.03E-04	4.02E-04	1.50E-04	7.02E-05	1.11E-04	4.01E-05
589	609165.45	4170818	9.16E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
590	609155.18	4170792.2	9.47E-04	4.22E-04	1.57E-04	7.36E-05	1.16E-04	4.20E-05
591	609151.76	4170783.6	9.54E-04	4.25E-04	1.59E-04	7.42E-05	1.17E-04	4.24E-05
592	609148.34	4170775	9.59E-04	4.27E-04	1.59E-04	7.46E-05	1.18E-04	4.26E-05
593	609144.92	4170766.4	9.62E-04	4.28E-04	1.60E-04	7.48E-05	1.18E-04	4.27E-05
594	609141.5	4170757.8	9.63E-04	4.29E-04	1.60E-04	7.48E-05	1.18E-04	4.28E-05
595	609138.08	4170749.2	9.62E-04	4.28E-04	1.60E-04	7.48E-05	1.18E-04	4.27E-05
596	609134.66	4170740.6	9.61E-04	4.28E-04	1.60E-04	7.46E-05	1.18E-04	4.26E-05
597	609306.97	4170906.51	1.05E-03	4.66E-04	1.74E-04	8.14E-05	1.28E-04	4.65E-05
598	609316.82	4170906.55	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
599	609326.66	4170906.6	1.13E-03	5.03E-04	1.88E-04	8.79E-05	1.39E-04	5.02E-05
600	609336.5	4170906.64	1.18E-03	5.25E-04	1.96E-04	9.17E-05	1.45E-04	5.24E-05
601	609366.03	4170906.78	1.35E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
602	609375.88	4170906.82	1.42E-03	6.33E-04	2.36E-04	1.11E-04	1.74E-04	6.31E-05
603	609385.72	4170906.87	1.50E-03	6.66E-04	2.48E-04	1.16E-04	1.83E-04	6.64E-05
604	609395.56	4170906.91	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
605	609405.41	4170906.95	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
606	609415.25	4170907	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
607	609425.09	4170907.04	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
608	609454.62	4170907.18	2.09E-03	9.32E-04	3.48E-04	1.63E-04	2.57E-04	9.29E-05
609	609464.47	4170907.22	2.18E-03	9.71E-04	3.62E-04	1.70E-04	2.68E-04	9.69E-05
610	609474.31	4170907.27	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
611	609484.15	4170907.31	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
612	609494	4170907.36	2.44E-03	1.09E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
613	609503.84	4170907.4	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
614	609533.37	4170907.54	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
615	609543.21	4170907.58	2.80E-03	1.25E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
616	609553.06	4170907.62	2.85E-03	1.27E-03	4.74E-04	2.22E-04	3.50E-04	1.27E-04
617	609562.9	4170907.67	2.90E-03	1.29E-03	4.82E-04	2.26E-04	3.56E-04	1.29E-04
618	609572.74	4170907.71	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
619	609582.59	4170907.76	2.98E-03	1.33E-03	4.95E-04	2.31E-04	3.65E-04	1.32E-04
620	609592.43	4170907.8	3.00E-03	1.34E-03	4.99E-04	2.33E-04	3.68E-04	1.33E-04

621	609297.93	4170912.7	9.76E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.33E-05
622	609288.94	4170908.89	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
623	609279.94	4170905.08	9.61E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.26E-05
624	609270.94	4170901.28	9.53E-04	4.24E-04	1.58E-04	7.41E-05	1.17E-04	4.23E-05
625	609261.95	4170897.47	9.45E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
626	609234.96	4170886.04	9.16E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
627	609225.96	4170882.24	9.05E-04	4.03E-04	1.50E-04	7.03E-05	1.11E-04	4.02E-05
628	609216.97	4170878.43	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
629	609207.97	4170874.62	8.78E-04	3.91E-04	1.46E-04	6.82E-05	1.08E-04	3.90E-05
630	609198.97	4170870.81	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
631	609189.98	4170867	8.47E-04	3.77E-04	1.41E-04	6.58E-05	1.04E-04	3.76E-05
632	609180.98	4170863.2	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
633	609168.37	4170850.31	8.27E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
634	609164.76	4170841.23	8.41E-04	3.74E-04	1.40E-04	6.54E-05	1.03E-04	3.73E-05
635	609161.15	4170832.16	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
636	609146.71	4170795.85	8.97E-04	3.99E-04	1.49E-04	6.97E-05	1.10E-04	3.98E-05
637	609143.1	4170786.77	9.04E-04	4.02E-04	1.50E-04	7.02E-05	1.11E-04	4.01E-05
638	609139.48	4170777.7	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
639	609135.87	4170768.62	9.11E-04	4.05E-04	1.51E-04	7.08E-05	1.12E-04	4.04E-05
640	609132.26	4170759.54	9.11E-04	4.06E-04	1.51E-04	7.08E-05	1.12E-04	4.05E-05
641	609128.65	4170750.46	9.10E-04	4.05E-04	1.51E-04	7.07E-05	1.12E-04	4.04E-05
642	609306.93	4170916.51	9.84E-04	4.38E-04	1.63E-04	7.65E-05	1.21E-04	4.37E-05
643	609316.77	4170916.55	1.02E-03	4.54E-04	1.69E-04	7.92E-05	1.25E-04	4.53E-05
644	609326.61	4170916.6	1.06E-03	4.71E-04	1.76E-04	8.23E-05	1.30E-04	4.70E-05
645	609336.46	4170916.64	1.10E-03	4.90E-04	1.83E-04	8.56E-05	1.35E-04	4.89E-05
646	609365.99	4170916.78	1.26E-03	5.59E-04	2.09E-04	9.75E-05	1.54E-04	5.57E-05
647	609375.83	4170916.82	1.32E-03	5.85E-04	2.19E-04	1.02E-04	1.61E-04	5.84E-05
648	609385.67	4170916.87	1.38E-03	6.14E-04	2.29E-04	1.07E-04	1.69E-04	6.12E-05
649	609395.52	4170916.91	1.45E-03	6.44E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
650	609405.36	4170916.95	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
651	609415.2	4170917	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.08E-05
652	609425.05	4170917.04	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
653	609454.58	4170917.18	1.91E-03	8.51E-04	3.18E-04	1.49E-04	2.34E-04	8.49E-05
654	609464.42	4170917.22	1.99E-03	8.87E-04	3.31E-04	1.55E-04	2.44E-04	8.84E-05
655	609474.26	4170917.27	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.20E-05
656	609484.11	4170917.31	2.15E-03	9.57E-04	3.57E-04	1.67E-04	2.64E-04	9.54E-05
657	609493.95	4170917.36	2.23E-03	9.91E-04	3.70E-04	1.73E-04	2.73E-04	9.88E-05
658	609503.79	4170917.4	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
659	609533.32	4170917.54	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
660	609543.17	4170917.58	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.14E-04	1.14E-04
661	609553.01	4170917.62	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
662	609562.85	4170917.67	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
663	609572.7	4170917.71	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
664	609582.54	4170917.76	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
665	609592.38	4170917.8	2.75E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
666	609298	4170922.75	9.20E-04	4.09E-04	1.53E-04	7.15E-05	1.13E-04	4.08E-05
667	609289.13	4170918.99	9.14E-04	4.07E-04	1.52E-04	7.10E-05	1.12E-04	4.05E-05
668	609280.25	4170915.23	9.07E-04	4.04E-04	1.51E-04	7.05E-05	1.11E-04	4.03E-05
669	609271.37	4170911.48	9.01E-04	4.01E-04	1.50E-04	7.00E-05	1.10E-04	4.00E-05
670	609262.49	4170907.72	8.95E-04	3.98E-04	1.49E-04	6.95E-05	1.10E-04	3.97E-05
671	609253.62	4170903.96	8.88E-04	3.95E-04	1.48E-04	6.90E-05	1.09E-04	3.94E-05
672	609226.98	4170892.69	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05

673	609218.1	4170888.93	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
674	609209.23	4170885.17	8.42E-04	3.75E-04	1.40E-04	6.54E-05	1.03E-04	3.74E-05
675	609200.35	4170881.41	8.29E-04	3.69E-04	1.38E-04	6.44E-05	1.02E-04	3.68E-05
676	609191.47	4170877.66	8.16E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
677	609182.59	4170873.9	8.01E-04	3.57E-04	1.33E-04	6.23E-05	9.82E-05	3.56E-05
678	609154.15	4170839.51	8.08E-04	3.60E-04	1.34E-04	6.28E-05	9.91E-05	3.59E-05
679	609150.58	4170830.55	8.20E-04	3.65E-04	1.36E-04	6.37E-05	1.00E-04	3.64E-05
680	609139.89	4170803.68	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
681	609136.33	4170794.72	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
682	609132.76	4170785.76	8.60E-04	3.83E-04	1.43E-04	6.68E-05	1.05E-04	3.82E-05
683	609129.2	4170776.81	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
684	609125.64	4170767.85	8.64E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
685	609122.07	4170758.89	8.64E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
686	609111.38	4170732.02	8.56E-04	3.81E-04	1.42E-04	6.65E-05	1.05E-04	3.80E-05
687	609306.88	4170926.51	9.26E-04	4.12E-04	1.54E-04	7.20E-05	1.14E-04	4.11E-05
688	609316.73	4170926.55	9.58E-04	4.26E-04	1.59E-04	7.44E-05	1.17E-04	4.25E-05
689	609326.57	4170926.6	9.93E-04	4.42E-04	1.65E-04	7.71E-05	1.22E-04	4.41E-05
690	609336.41	4170926.64	1.03E-03	4.59E-04	1.71E-04	8.01E-05	1.26E-04	4.58E-05
691	609346.26	4170926.69	1.07E-03	4.77E-04	1.78E-04	8.33E-05	1.31E-04	4.76E-05
692	609375.79	4170926.82	1.22E-03	5.43E-04	2.03E-04	9.49E-05	1.50E-04	5.42E-05
693	609385.63	4170926.87	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
694	609395.47	4170926.91	1.34E-03	5.96E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
695	609405.32	4170926.95	1.40E-03	6.24E-04	2.33E-04	1.09E-04	1.72E-04	6.22E-05
696	609415.16	4170927	1.47E-03	6.54E-04	2.44E-04	1.14E-04	1.80E-04	6.52E-05
697	609425	4170927.04	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.89E-04	6.83E-05
698	609454.53	4170927.18	1.75E-03	7.81E-04	2.91E-04	1.36E-04	2.15E-04	7.78E-05
699	609464.38	4170927.22	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.11E-05
700	609474.22	4170927.27	1.90E-03	8.45E-04	3.15E-04	1.48E-04	2.33E-04	8.43E-05
701	609484.06	4170927.31	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.74E-05
702	609493.91	4170927.36	2.04E-03	9.08E-04	3.39E-04	1.58E-04	2.50E-04	9.05E-05
703	609503.75	4170927.4	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
704	609533.28	4170927.54	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
705	609543.12	4170927.58	2.35E-03	1.04E-03	3.90E-04	1.82E-04	2.88E-04	1.04E-04
706	609552.97	4170927.62	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
707	609562.81	4170927.67	2.44E-03	1.09E-03	4.05E-04	1.90E-04	2.99E-04	1.08E-04
708	609572.65	4170927.71	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
709	609582.5	4170927.76	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
710	609592.34	4170927.8	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
711	609298.06	4170932.79	8.67E-04	3.86E-04	1.44E-04	6.74E-05	1.06E-04	3.85E-05
712	609289.29	4170929.08	8.62E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
713	609280.52	4170925.37	8.58E-04	3.82E-04	1.42E-04	6.66E-05	1.05E-04	3.81E-05
714	609271.74	4170921.65	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.78E-05
715	609262.97	4170917.94	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
716	609254.2	4170914.23	8.43E-04	3.75E-04	1.40E-04	6.55E-05	1.03E-04	3.74E-05
717	609245.42	4170910.51	8.37E-04	3.73E-04	1.39E-04	6.50E-05	1.03E-04	3.72E-05
718	609219.1	4170899.37	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
719	609210.33	4170895.66	8.06E-04	3.59E-04	1.34E-04	6.27E-05	9.89E-05	3.58E-05
720	609201.56	4170891.94	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.76E-05	3.53E-05
721	609192.78	4170888.23	7.85E-04	3.49E-04	1.30E-04	6.10E-05	9.62E-05	3.48E-05
722	609125.99	4170793.71	8.15E-04	3.63E-04	1.35E-04	6.33E-05	9.99E-05	3.62E-05
723	609122.47	4170784.85	8.19E-04	3.64E-04	1.36E-04	6.36E-05	1.00E-04	3.64E-05
724	609118.95	4170776	8.21E-04	3.65E-04	1.36E-04	6.38E-05	1.01E-04	3.64E-05

725	609104.86	4170740.59	8.15E-04	3.63E-04	1.35E-04	6.33E-05	9.99E-05	3.62E-05
726	609101.34	4170731.74	8.12E-04	3.61E-04	1.35E-04	6.31E-05	9.95E-05	3.60E-05
727	609306.84	4170936.51	8.73E-04	3.88E-04	1.45E-04	6.78E-05	1.07E-04	3.87E-05
728	609316.68	4170936.55	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
729	609326.52	4170936.6	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
730	609336.37	4170936.64	9.67E-04	4.30E-04	1.61E-04	7.51E-05	1.19E-04	4.29E-05
731	609346.21	4170936.69	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.46E-05
732	609356.05	4170936.73	1.04E-03	4.65E-04	1.74E-04	8.12E-05	1.28E-04	4.64E-05
733	609424.96	4170937.04	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
734	609484.02	4170937.31	1.81E-03	8.06E-04	3.01E-04	1.41E-04	2.22E-04	8.04E-05
735	609493.86	4170937.36	1.88E-03	8.35E-04	3.12E-04	1.46E-04	2.30E-04	8.32E-05
736	609503.7	4170937.4	1.94E-03	8.62E-04	3.22E-04	1.51E-04	2.38E-04	8.60E-05
737	609533.23	4170937.54	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.59E-04	9.36E-05
738	609543.08	4170937.58	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
739	609552.92	4170937.62	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
740	609562.76	4170937.67	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.97E-05
741	609572.61	4170937.71	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
742	609582.45	4170937.76	2.31E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
743	609592.29	4170937.8	2.34E-03	1.04E-03	3.89E-04	1.82E-04	2.87E-04	1.04E-04
744	609298.11	4170942.83	8.19E-04	3.65E-04	1.36E-04	6.37E-05	1.00E-04	3.64E-05
745	609289.43	4170939.16	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
746	609280.75	4170935.48	8.12E-04	3.61E-04	1.35E-04	6.31E-05	9.95E-05	3.60E-05
747	609272.07	4170931.81	8.08E-04	3.60E-04	1.34E-04	6.28E-05	9.91E-05	3.59E-05
748	609263.39	4170928.14	8.04E-04	3.58E-04	1.34E-04	6.25E-05	9.86E-05	3.57E-05
749	609254.71	4170924.46	8.00E-04	3.56E-04	1.33E-04	6.22E-05	9.81E-05	3.55E-05
750	609246.03	4170920.79	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.76E-05	3.53E-05
751	609237.35	4170917.11	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
752	609202.62	4170902.42	7.64E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05
753	609147.06	4170871.61	7.07E-04	3.15E-04	1.17E-04	5.49E-05	8.67E-05	3.14E-05
754	609115.7	4170792.78	7.78E-04	3.46E-04	1.29E-04	6.05E-05	9.54E-05	3.45E-05
755	609112.21	4170784.03	7.81E-04	3.47E-04	1.30E-04	6.07E-05	9.57E-05	3.47E-05
756	609101.76	4170757.75	7.79E-04	3.47E-04	1.29E-04	6.06E-05	9.56E-05	3.46E-05
757	609098.28	4170748.99	7.77E-04	3.46E-04	1.29E-04	6.04E-05	9.53E-05	3.45E-05
758	609094.79	4170740.23	7.74E-04	3.44E-04	1.29E-04	6.01E-05	9.49E-05	3.43E-05
759	609091.31	4170731.47	7.71E-04	3.43E-04	1.28E-04	5.99E-05	9.45E-05	3.42E-05
760	609306.79	4170946.51	8.24E-04	3.67E-04	1.37E-04	6.40E-05	1.01E-04	3.66E-05
761	609316.64	4170946.55	8.50E-04	3.78E-04	1.41E-04	6.61E-05	1.04E-04	3.77E-05
762	609326.48	4170946.6	8.78E-04	3.91E-04	1.46E-04	6.82E-05	1.08E-04	3.90E-05
763	609336.32	4170946.64	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
764	609346.17	4170946.69	9.42E-04	4.19E-04	1.57E-04	7.32E-05	1.16E-04	4.18E-05
765	609356.01	4170946.73	9.79E-04	4.36E-04	1.63E-04	7.60E-05	1.20E-04	4.34E-05
766	609365.85	4170946.78	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
767	609592.25	4170947.8	2.17E-03	9.64E-04	3.60E-04	1.68E-04	2.65E-04	9.61E-05
768	609298.15	4170952.87	7.75E-04	3.45E-04	1.29E-04	6.02E-05	9.51E-05	3.44E-05
769	609289.55	4170949.23	7.72E-04	3.44E-04	1.28E-04	6.00E-05	9.47E-05	3.43E-05
770	609280.95	4170945.59	7.69E-04	3.42E-04	1.28E-04	5.98E-05	9.43E-05	3.41E-05
771	609272.36	4170941.95	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
772	609263.76	4170938.31	7.64E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05
773	609255.16	4170934.67	7.61E-04	3.39E-04	1.26E-04	5.91E-05	9.33E-05	3.38E-05
774	609246.56	4170931.03	7.58E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
775	609237.97	4170927.39	7.54E-04	3.36E-04	1.25E-04	5.86E-05	9.25E-05	3.35E-05
776	609229.37	4170923.76	7.50E-04	3.34E-04	1.25E-04	5.83E-05	9.20E-05	3.33E-05

777	609220.77	4170920.12	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
778	609169.19	4170898.28	6.97E-04	3.10E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
779	609160.59	4170894.64	6.86E-04	3.05E-04	1.14E-04	5.33E-05	8.42E-05	3.05E-05
780	609151.99	4170891	6.75E-04	3.00E-04	1.12E-04	5.24E-05	8.27E-05	3.00E-05
781	609139.94	4170878.69	6.73E-04	3.00E-04	1.12E-04	5.23E-05	8.25E-05	2.99E-05
782	609136.49	4170870.01	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
783	609133.04	4170861.34	6.92E-04	3.08E-04	1.15E-04	5.38E-05	8.48E-05	3.07E-05
784	609129.59	4170852.66	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.59E-05	3.11E-05
785	609095.08	4170765.92	7.44E-04	3.31E-04	1.24E-04	5.78E-05	9.12E-05	3.30E-05
786	609091.63	4170757.24	7.42E-04	3.30E-04	1.23E-04	5.77E-05	9.10E-05	3.29E-05
787	609088.18	4170748.57	7.39E-04	3.29E-04	1.23E-04	5.74E-05	9.06E-05	3.28E-05
788	609084.73	4170739.89	7.36E-04	3.28E-04	1.22E-04	5.72E-05	9.03E-05	3.27E-05
789	609081.28	4170731.22	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
790	609306.75	4170956.51	7.79E-04	3.47E-04	1.29E-04	6.05E-05	9.55E-05	3.46E-05
791	609316.59	4170956.55	8.03E-04	3.57E-04	1.33E-04	6.24E-05	9.84E-05	3.56E-05
792	609326.43	4170956.6	8.28E-04	3.68E-04	1.38E-04	6.43E-05	1.02E-04	3.68E-05
793	609336.28	4170956.64	8.56E-04	3.81E-04	1.42E-04	6.65E-05	1.05E-04	3.80E-05
794	609346.12	4170956.69	8.86E-04	3.94E-04	1.47E-04	6.88E-05	1.09E-04	3.93E-05
795	609355.96	4170956.73	9.19E-04	4.09E-04	1.53E-04	7.14E-05	1.13E-04	4.08E-05
796	609365.81	4170956.78	9.54E-04	4.25E-04	1.59E-04	7.42E-05	1.17E-04	4.24E-05
797	609375.65	4170956.82	9.93E-04	4.42E-04	1.65E-04	7.71E-05	1.22E-04	4.41E-05
798	609385.49	4170956.86	1.03E-03	4.60E-04	1.72E-04	8.03E-05	1.27E-04	4.59E-05
799	609395.34	4170956.91	1.08E-03	4.80E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
800	609405.18	4170956.95	1.12E-03	5.00E-04	1.87E-04	8.73E-05	1.38E-04	4.99E-05
801	609415.02	4170957	1.17E-03	5.22E-04	1.95E-04	9.11E-05	1.44E-04	5.20E-05
802	609424.87	4170957.04	1.22E-03	5.44E-04	2.03E-04	9.50E-05	1.50E-04	5.43E-05
803	609434.71	4170957.09	1.27E-03	5.67E-04	2.12E-04	9.90E-05	1.56E-04	5.66E-05
804	609444.55	4170957.13	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.89E-05
805	609454.4	4170957.18	1.38E-03	6.15E-04	2.30E-04	1.07E-04	1.70E-04	6.14E-05
806	609464.24	4170957.22	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
807	609474.08	4170957.27	1.49E-03	6.64E-04	2.48E-04	1.16E-04	1.83E-04	6.63E-05
808	609483.93	4170957.31	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
809	609493.77	4170957.36	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
810	609503.61	4170957.4	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
811	609513.46	4170957.45	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
812	609523.3	4170957.49	1.75E-03	7.81E-04	2.91E-04	1.36E-04	2.15E-04	7.79E-05
813	609533.14	4170957.53	1.80E-03	8.02E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
814	609542.99	4170957.58	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
815	609552.83	4170957.62	1.89E-03	8.39E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
816	609562.67	4170957.67	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
817	609572.52	4170957.71	1.96E-03	8.71E-04	3.25E-04	1.52E-04	2.40E-04	8.68E-05
818	609582.36	4170957.76	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
819	609592.2	4170957.8	2.01E-03	8.94E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05
820	609297.73	4170962.71	7.35E-04	3.27E-04	1.22E-04	5.71E-05	9.01E-05	3.26E-05
821	609288.76	4170958.91	7.32E-04	3.26E-04	1.22E-04	5.69E-05	8.98E-05	3.25E-05
822	609279.79	4170955.12	7.30E-04	3.25E-04	1.21E-04	5.67E-05	8.95E-05	3.24E-05
823	609270.82	4170951.32	7.28E-04	3.24E-04	1.21E-04	5.65E-05	8.92E-05	3.23E-05
824	609261.84	4170947.52	7.26E-04	3.23E-04	1.21E-04	5.64E-05	8.90E-05	3.22E-05
825	609252.87	4170943.72	7.23E-04	3.22E-04	1.20E-04	5.62E-05	8.87E-05	3.21E-05
826	609243.9	4170939.93	7.21E-04	3.21E-04	1.20E-04	5.60E-05	8.84E-05	3.20E-05
827	609234.93	4170936.13	7.18E-04	3.20E-04	1.19E-04	5.58E-05	8.80E-05	3.19E-05
828	609225.96	4170932.33	7.14E-04	3.18E-04	1.19E-04	5.55E-05	8.76E-05	3.17E-05

829	609216.99	4170928.53	7.10E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
830	609181.1	4170913.34	6.84E-04	3.05E-04	1.14E-04	5.32E-05	8.39E-05	3.04E-05
831	609172.13	4170909.55	6.75E-04	3.01E-04	1.12E-04	5.25E-05	8.28E-05	3.00E-05
832	609163.16	4170905.75	6.66E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.95E-05
833	609154.19	4170901.95	6.55E-04	2.92E-04	1.09E-04	5.09E-05	8.03E-05	2.91E-05
834	609145.22	4170898.15	6.44E-04	2.87E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
835	609132.64	4170885.31	6.42E-04	2.86E-04	1.07E-04	4.99E-05	7.87E-05	2.85E-05
836	609129.04	4170876.25	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.99E-05	2.89E-05
837	609125.44	4170867.2	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.10E-05	2.93E-05
838	609121.84	4170858.15	6.69E-04	2.98E-04	1.11E-04	5.20E-05	8.20E-05	2.97E-05
839	609111.04	4170830.99	6.91E-04	3.08E-04	1.15E-04	5.37E-05	8.48E-05	3.07E-05
840	609107.44	4170821.94	6.98E-04	3.11E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
841	609093.03	4170785.73	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.72E-05	3.16E-05
842	609089.43	4170776.68	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.72E-05	3.16E-05
843	609085.83	4170767.63	7.10E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
844	609082.23	4170758.58	7.08E-04	3.15E-04	1.18E-04	5.50E-05	8.68E-05	3.14E-05
845	609078.63	4170749.53	7.05E-04	3.14E-04	1.17E-04	5.48E-05	8.64E-05	3.13E-05
846	609075.03	4170740.47	7.02E-04	3.12E-04	1.17E-04	5.45E-05	8.60E-05	3.11E-05
847	609071.43	4170731.42	6.99E-04	3.11E-04	1.16E-04	5.43E-05	8.57E-05	3.10E-05
848	609306.7	4170966.51	7.38E-04	3.28E-04	1.23E-04	5.73E-05	9.05E-05	3.28E-05
849	609316.54	4170966.55	7.59E-04	3.38E-04	1.26E-04	5.90E-05	9.30E-05	3.37E-05
850	609326.39	4170966.6	7.82E-04	3.48E-04	1.30E-04	6.08E-05	9.59E-05	3.47E-05
851	609336.23	4170966.64	8.07E-04	3.59E-04	1.34E-04	6.27E-05	9.90E-05	3.58E-05
852	609346.07	4170966.69	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
853	609355.92	4170966.73	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
854	609365.76	4170966.78	8.97E-04	3.99E-04	1.49E-04	6.97E-05	1.10E-04	3.98E-05
855	609375.6	4170966.82	9.32E-04	4.15E-04	1.55E-04	7.24E-05	1.14E-04	4.14E-05
856	609385.45	4170966.86	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
857	609395.29	4170966.91	1.01E-03	4.49E-04	1.68E-04	7.84E-05	1.24E-04	4.48E-05
858	609405.13	4170966.95	1.05E-03	4.68E-04	1.74E-04	8.16E-05	1.29E-04	4.66E-05
859	609414.98	4170967	1.09E-03	4.87E-04	1.82E-04	8.50E-05	1.34E-04	4.86E-05
860	609424.82	4170967.04	1.14E-03	5.07E-04	1.89E-04	8.86E-05	1.40E-04	5.06E-05
861	609434.66	4170967.09	1.19E-03	5.28E-04	1.97E-04	9.23E-05	1.46E-04	5.27E-05
862	609444.51	4170967.13	1.24E-03	5.50E-04	2.05E-04	9.60E-05	1.52E-04	5.49E-05
863	609454.35	4170967.18	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
864	609464.19	4170967.22	1.34E-03	5.94E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
865	609474.04	4170967.27	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
866	609483.88	4170967.31	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
867	609493.72	4170967.36	1.49E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
868	609503.57	4170967.4	1.54E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
869	609513.41	4170967.45	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
870	609523.25	4170967.49	1.63E-03	7.24E-04	2.70E-04	1.26E-04	2.00E-04	7.23E-05
871	609533.1	4170967.53	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
872	609542.94	4170967.58	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
873	609552.78	4170967.62	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
874	609562.63	4170967.67	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
875	609572.47	4170967.71	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
876	609582.31	4170967.76	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
877	609592.16	4170967.8	1.87E-03	8.32E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
878	609297.78	4170972.75	6.97E-04	3.10E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
879	609288.9	4170968.99	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.09E-05
880	609280.02	4170965.23	6.94E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05

881	609271.14	4170961.48	6.92E-04	3.08E-04	1.15E-04	5.38E-05	8.48E-05	3.07E-05
882	609262.27	4170957.72	6.91E-04	3.07E-04	1.15E-04	5.37E-05	8.47E-05	3.07E-05
883	609253.39	4170953.96	6.89E-04	3.07E-04	1.14E-04	5.35E-05	8.45E-05	3.06E-05
884	609244.51	4170950.2	6.87E-04	3.06E-04	1.14E-04	5.34E-05	8.43E-05	3.05E-05
885	609235.63	4170946.44	6.85E-04	3.05E-04	1.14E-04	5.33E-05	8.40E-05	3.04E-05
886	609173.49	4170920.14	6.52E-04	2.90E-04	1.08E-04	5.07E-05	7.99E-05	2.89E-05
887	609164.61	4170916.38	6.44E-04	2.86E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
888	609155.73	4170912.62	6.35E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
889	609146.85	4170908.87	6.25E-04	2.78E-04	1.04E-04	4.85E-05	7.66E-05	2.77E-05
890	609137.98	4170905.11	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
891	609125.53	4170892.39	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.52E-05	2.72E-05
892	609121.97	4170883.44	6.21E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
893	609118.41	4170874.48	6.30E-04	2.80E-04	1.05E-04	4.89E-05	7.72E-05	2.79E-05
894	609114.84	4170865.52	6.38E-04	2.84E-04	1.06E-04	4.96E-05	7.82E-05	2.83E-05
895	609104.15	4170838.65	6.59E-04	2.93E-04	1.09E-04	5.12E-05	8.08E-05	2.92E-05
896	609100.59	4170829.69	6.65E-04	2.96E-04	1.10E-04	5.17E-05	8.15E-05	2.95E-05
897	609097.03	4170820.73	6.70E-04	2.98E-04	1.11E-04	5.21E-05	8.22E-05	2.98E-05
898	609093.46	4170811.77	6.75E-04	3.00E-04	1.12E-04	5.24E-05	8.27E-05	2.99E-05
899	609082.77	4170784.9	6.81E-04	3.03E-04	1.13E-04	5.29E-05	8.34E-05	3.02E-05
900	609079.21	4170775.94	6.80E-04	3.03E-04	1.13E-04	5.28E-05	8.34E-05	3.02E-05
901	609075.64	4170766.99	6.78E-04	3.02E-04	1.13E-04	5.27E-05	8.32E-05	3.01E-05
902	609072.08	4170758.03	6.76E-04	3.01E-04	1.12E-04	5.25E-05	8.28E-05	3.00E-05
903	609068.52	4170749.07	6.73E-04	2.99E-04	1.12E-04	5.23E-05	8.25E-05	2.99E-05
904	609064.95	4170740.11	6.70E-04	2.98E-04	1.11E-04	5.20E-05	8.21E-05	2.97E-05
905	609061.39	4170731.16	6.67E-04	2.97E-04	1.11E-04	5.18E-05	8.17E-05	2.96E-05
906	609306.66	4170976.51	7.00E-04	3.12E-04	1.16E-04	5.44E-05	8.58E-05	3.11E-05
907	609316.5	4170976.55	7.19E-04	3.20E-04	1.19E-04	5.59E-05	8.81E-05	3.19E-05
908	609326.34	4170976.6	7.40E-04	3.29E-04	1.23E-04	5.75E-05	9.07E-05	3.28E-05
909	609336.19	4170976.64	7.63E-04	3.40E-04	1.27E-04	5.93E-05	9.35E-05	3.39E-05
910	609346.03	4170976.69	7.88E-04	3.51E-04	1.31E-04	6.12E-05	9.66E-05	3.50E-05
911	609355.87	4170976.73	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
912	609365.72	4170976.78	8.45E-04	3.76E-04	1.40E-04	6.56E-05	1.04E-04	3.75E-05
913	609375.56	4170976.82	8.76E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
914	609385.4	4170976.86	9.10E-04	4.05E-04	1.51E-04	7.07E-05	1.12E-04	4.04E-05
915	609395.25	4170976.91	9.46E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
916	609405.09	4170976.95	9.84E-04	4.38E-04	1.64E-04	7.65E-05	1.21E-04	4.37E-05
917	609414.93	4170977	1.02E-03	4.56E-04	1.70E-04	7.96E-05	1.26E-04	4.55E-05
918	609424.78	4170977.04	1.07E-03	4.74E-04	1.77E-04	8.28E-05	1.31E-04	4.73E-05
919	609434.62	4170977.09	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
920	609444.46	4170977.13	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
921	609454.31	4170977.18	1.20E-03	5.34E-04	1.99E-04	9.31E-05	1.47E-04	5.32E-05
922	609464.15	4170977.22	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
923	609473.99	4170977.27	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
924	609483.84	4170977.31	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
925	609493.68	4170977.36	1.38E-03	6.16E-04	2.30E-04	1.07E-04	1.70E-04	6.14E-05
926	609503.52	4170977.4	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
927	609513.37	4170977.45	1.47E-03	6.55E-04	2.45E-04	1.14E-04	1.81E-04	6.53E-05
928	609523.21	4170977.49	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
929	609533.05	4170977.53	1.56E-03	6.92E-04	2.58E-04	1.21E-04	1.91E-04	6.90E-05
930	609542.9	4170977.58	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
931	609552.74	4170977.62	1.63E-03	7.25E-04	2.71E-04	1.27E-04	2.00E-04	7.23E-05
932	609562.58	4170977.67	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05

933	609572.43	4170977.71	1.69E-03	7.53E-04	2.81E-04	1.31E-04	2.07E-04	7.51E-05
934	609582.27	4170977.76	1.72E-03	7.65E-04	2.85E-04	1.34E-04	2.11E-04	7.63E-05
935	609297.82	4170982.79	6.63E-04	2.95E-04	1.10E-04	5.15E-05	8.13E-05	2.94E-05
936	609289.02	4170979.06	6.61E-04	2.94E-04	1.10E-04	5.14E-05	8.11E-05	2.93E-05
937	609280.23	4170975.34	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.09E-05	2.93E-05
938	609271.44	4170971.62	6.59E-04	2.93E-04	1.09E-04	5.12E-05	8.08E-05	2.92E-05
939	609262.64	4170967.9	6.58E-04	2.93E-04	1.09E-04	5.11E-05	8.07E-05	2.92E-05
940	609253.85	4170964.18	6.57E-04	2.92E-04	1.09E-04	5.10E-05	8.05E-05	2.92E-05
941	609245.06	4170960.45	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
942	609201.09	4170941.84	6.44E-04	2.87E-04	1.07E-04	5.01E-05	7.90E-05	2.86E-05
943	609165.92	4170926.95	6.22E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
944	609157.12	4170923.23	6.14E-04	2.73E-04	1.02E-04	4.77E-05	7.53E-05	2.73E-05
945	609148.33	4170919.51	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
946	609139.54	4170915.79	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
947	609130.74	4170912.07	5.88E-04	2.62E-04	9.76E-05	4.57E-05	7.21E-05	2.61E-05
948	609118.42	4170899.47	5.86E-04	2.61E-04	9.74E-05	4.55E-05	7.19E-05	2.60E-05
949	609114.89	4170890.6	5.94E-04	2.64E-04	9.86E-05	4.61E-05	7.28E-05	2.64E-05
950	609111.36	4170881.73	6.01E-04	2.68E-04	9.99E-05	4.67E-05	7.37E-05	2.67E-05
951	609107.83	4170872.86	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.46E-05	2.70E-05
952	609093.71	4170837.37	6.34E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
953	609090.18	4170828.49	6.40E-04	2.85E-04	1.06E-04	4.97E-05	7.85E-05	2.84E-05
954	609086.65	4170819.62	6.44E-04	2.87E-04	1.07E-04	5.01E-05	7.90E-05	2.86E-05
955	609083.12	4170810.75	6.48E-04	2.88E-04	1.08E-04	5.03E-05	7.94E-05	2.88E-05
956	609069.01	4170775.26	6.50E-04	2.89E-04	1.08E-04	5.05E-05	7.97E-05	2.89E-05
957	609065.48	4170766.39	6.49E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
958	609061.95	4170757.52	6.46E-04	2.87E-04	1.07E-04	5.02E-05	7.92E-05	2.87E-05
959	609058.42	4170748.64	6.43E-04	2.86E-04	1.07E-04	4.99E-05	7.88E-05	2.85E-05
960	609054.89	4170739.77	6.40E-04	2.85E-04	1.06E-04	4.97E-05	7.84E-05	2.84E-05
961	609051.36	4170730.9	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
962	609306.61	4170986.51	6.65E-04	2.96E-04	1.10E-04	5.17E-05	8.15E-05	2.95E-05
963	609316.45	4170986.55	6.82E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
964	609326.3	4170986.6	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.60E-05	3.11E-05
965	609336.14	4170986.64	7.22E-04	3.21E-04	1.20E-04	5.61E-05	8.86E-05	3.21E-05
966	609345.98	4170986.69	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
967	609355.83	4170986.73	7.70E-04	3.43E-04	1.28E-04	5.98E-05	9.44E-05	3.42E-05
968	609365.67	4170986.78	7.97E-04	3.55E-04	1.32E-04	6.19E-05	9.77E-05	3.54E-05
969	609375.51	4170986.82	8.26E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
970	609385.36	4170986.86	8.57E-04	3.81E-04	1.42E-04	6.66E-05	1.05E-04	3.80E-05
971	609395.2	4170986.91	8.90E-04	3.96E-04	1.48E-04	6.91E-05	1.09E-04	3.95E-05
972	609405.04	4170986.95	9.25E-04	4.12E-04	1.54E-04	7.19E-05	1.13E-04	4.10E-05
973	609414.89	4170987	9.61E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.27E-05
974	609424.73	4170987.04	9.99E-04	4.45E-04	1.66E-04	7.77E-05	1.23E-04	4.44E-05
975	609434.57	4170987.09	1.04E-03	4.62E-04	1.73E-04	8.07E-05	1.27E-04	4.61E-05
976	609444.42	4170987.13	1.08E-03	4.80E-04	1.79E-04	8.39E-05	1.32E-04	4.79E-05
977	609454.26	4170987.18	1.12E-03	4.99E-04	1.86E-04	8.71E-05	1.37E-04	4.98E-05
978	609464.1	4170987.22	1.16E-03	5.18E-04	1.93E-04	9.04E-05	1.43E-04	5.16E-05
979	609473.95	4170987.27	1.21E-03	5.36E-04	2.00E-04	9.37E-05	1.48E-04	5.35E-05
980	609483.79	4170987.31	1.25E-03	5.56E-04	2.07E-04	9.70E-05	1.53E-04	5.54E-05
981	609493.63	4170987.36	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
982	609503.48	4170987.4	1.33E-03	5.93E-04	2.21E-04	1.04E-04	1.63E-04	5.91E-05
983	609513.32	4170987.45	1.37E-03	6.11E-04	2.28E-04	1.07E-04	1.68E-04	6.09E-05
984	609523.16	4170987.49	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.27E-05

985	609533.01	4170987.53	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
986	609542.85	4170987.58	1.49E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
987	609552.69	4170987.62	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.75E-05
988	609562.54	4170987.67	1.55E-03	6.90E-04	2.58E-04	1.21E-04	1.90E-04	6.88E-05
989	609572.38	4170987.71	1.58E-03	7.03E-04	2.62E-04	1.23E-04	1.94E-04	7.01E-05
990	609582.22	4170987.76	1.60E-03	7.14E-04	2.67E-04	1.25E-04	1.97E-04	7.12E-05
991	609297.85	4170992.82	6.31E-04	2.81E-04	1.05E-04	4.90E-05	7.73E-05	2.80E-05
992	609289.13	4170989.13	6.29E-04	2.80E-04	1.05E-04	4.89E-05	7.72E-05	2.79E-05
993	609280.42	4170985.44	6.28E-04	2.80E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
994	609271.7	4170981.75	6.28E-04	2.79E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
995	609262.98	4170978.06	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.69E-05	2.78E-05
996	609254.27	4170974.37	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.68E-05	2.78E-05
997	609210.68	4170955.92	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.75E-05
998	609201.97	4170952.23	6.18E-04	2.75E-04	1.03E-04	4.80E-05	7.58E-05	2.74E-05
999	609193.25	4170948.54	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
1000	609158.39	4170933.79	5.94E-04	2.64E-04	9.87E-05	4.62E-05	7.28E-05	2.64E-05
1001	609149.67	4170930.1	5.87E-04	2.61E-04	9.75E-05	4.56E-05	7.20E-05	2.61E-05
1002	609140.95	4170926.41	5.80E-04	2.58E-04	9.63E-05	4.50E-05	7.11E-05	2.57E-05
1003	609132.24	4170922.72	5.72E-04	2.54E-04	9.49E-05	4.44E-05	7.01E-05	2.54E-05
1004	609123.52	4170919.03	5.63E-04	2.51E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05
1005	609111.3	4170906.54	5.61E-04	2.50E-04	9.33E-05	4.36E-05	6.88E-05	2.49E-05
1006	609107.81	4170897.75	5.69E-04	2.53E-04	9.44E-05	4.42E-05	6.97E-05	2.52E-05
1007	609104.31	4170888.95	5.75E-04	2.56E-04	9.56E-05	4.47E-05	7.05E-05	2.55E-05
1008	609100.81	4170880.16	5.82E-04	2.59E-04	9.67E-05	4.52E-05	7.14E-05	2.58E-05
1009	609086.81	4170844.98	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
1010	609083.31	4170836.19	6.11E-04	2.72E-04	1.02E-04	4.75E-05	7.49E-05	2.71E-05
1011	609079.82	4170827.39	6.16E-04	2.74E-04	1.02E-04	4.79E-05	7.55E-05	2.73E-05
1012	609076.32	4170818.6	6.20E-04	2.76E-04	1.03E-04	4.81E-05	7.60E-05	2.75E-05
1013	609072.82	4170809.8	6.22E-04	2.77E-04	1.03E-04	4.83E-05	7.63E-05	2.76E-05
1014	609069.32	4170801.01	6.24E-04	2.78E-04	1.04E-04	4.85E-05	7.65E-05	2.77E-05
1015	609058.82	4170774.62	6.23E-04	2.77E-04	1.03E-04	4.84E-05	7.63E-05	2.76E-05
1016	609055.32	4170765.83	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.76E-05
1017	609051.83	4170757.03	6.18E-04	2.75E-04	1.03E-04	4.80E-05	7.58E-05	2.74E-05
1018	609048.33	4170748.24	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
1019	609044.83	4170739.44	6.12E-04	2.72E-04	1.02E-04	4.75E-05	7.50E-05	2.72E-05
1020	609041.33	4170730.65	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.47E-05	2.70E-05
1021	609306.56	4170996.51	6.33E-04	2.82E-04	1.05E-04	4.92E-05	7.76E-05	2.81E-05
1022	609316.41	4170996.55	6.49E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
1023	609326.25	4170996.6	6.66E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.96E-05
1024	609336.09	4170996.64	6.85E-04	3.05E-04	1.14E-04	5.32E-05	8.40E-05	3.04E-05
1025	609345.94	4170996.69	7.06E-04	3.14E-04	1.17E-04	5.48E-05	8.65E-05	3.13E-05
1026	609355.78	4170996.73	7.29E-04	3.24E-04	1.21E-04	5.66E-05	8.93E-05	3.23E-05
1027	609365.62	4170996.78	7.53E-04	3.35E-04	1.25E-04	5.85E-05	9.24E-05	3.34E-05
1028	609375.47	4170996.82	7.80E-04	3.47E-04	1.30E-04	6.06E-05	9.56E-05	3.46E-05
1029	609385.31	4170996.86	8.09E-04	3.60E-04	1.34E-04	6.28E-05	9.92E-05	3.59E-05
1030	609395.15	4170996.91	8.39E-04	3.73E-04	1.39E-04	6.52E-05	1.03E-04	3.72E-05
1031	609405	4170996.95	8.71E-04	3.88E-04	1.45E-04	6.77E-05	1.07E-04	3.86E-05
1032	609414.84	4170997	9.04E-04	4.02E-04	1.50E-04	7.03E-05	1.11E-04	4.01E-05
1033	609424.68	4170997.04	9.39E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
1034	609434.53	4170997.09	9.75E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
1035	609444.37	4170997.13	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
1036	609454.21	4170997.18	1.05E-03	4.68E-04	1.75E-04	8.17E-05	1.29E-04	4.66E-05

1037	609464.06	4170997.22	1.09E-03	4.85E-04	1.81E-04	8.47E-05	1.34E-04	4.84E-05
1038	609473.9	4170997.27	1.13E-03	5.02E-04	1.87E-04	8.77E-05	1.38E-04	5.01E-05
1039	609483.74	4170997.31	1.17E-03	5.20E-04	1.94E-04	9.08E-05	1.43E-04	5.18E-05
1040	609493.59	4170997.36	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
1041	609503.43	4170997.4	1.25E-03	5.54E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
1042	609513.27	4170997.45	1.28E-03	5.71E-04	2.13E-04	9.97E-05	1.57E-04	5.70E-05
1043	609523.12	4170997.49	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
1044	609532.96	4170997.53	1.36E-03	6.04E-04	2.25E-04	1.05E-04	1.66E-04	6.02E-05
1045	609542.8	4170997.58	1.39E-03	6.18E-04	2.31E-04	1.08E-04	1.70E-04	6.17E-05
1046	609552.65	4170997.62	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.31E-05
1047	609562.49	4170997.67	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
1048	609572.33	4170997.71	1.48E-03	6.58E-04	2.45E-04	1.15E-04	1.81E-04	6.56E-05
1049	609582.18	4170997.76	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
1050	609297.48	4171002.68	6.01E-04	2.67E-04	9.98E-05	4.67E-05	7.37E-05	2.67E-05
1051	609288.44	4170998.85	6.00E-04	2.67E-04	9.96E-05	4.66E-05	7.35E-05	2.66E-05
1052	609279.4	4170995.03	5.99E-04	2.67E-04	9.95E-05	4.66E-05	7.35E-05	2.66E-05
1053	609270.36	4170991.2	5.99E-04	2.66E-04	9.94E-05	4.65E-05	7.34E-05	2.66E-05
1054	609225.17	4170972.07	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
1055	609216.13	4170968.25	5.96E-04	2.65E-04	9.89E-05	4.63E-05	7.30E-05	2.64E-05
1056	609207.09	4170964.42	5.94E-04	2.64E-04	9.87E-05	4.61E-05	7.28E-05	2.64E-05
1057	609198.05	4170960.59	5.92E-04	2.63E-04	9.83E-05	4.60E-05	7.26E-05	2.63E-05
1058	609189.01	4170956.77	5.89E-04	2.62E-04	9.78E-05	4.58E-05	7.22E-05	2.61E-05
1059	609179.97	4170952.94	5.85E-04	2.60E-04	9.72E-05	4.55E-05	7.17E-05	2.60E-05
1060	609152.85	4170941.46	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
1061	609143.81	4170937.64	5.64E-04	2.51E-04	9.36E-05	4.38E-05	6.91E-05	2.50E-05
1062	609134.77	4170933.81	5.56E-04	2.48E-04	9.24E-05	4.32E-05	6.82E-05	2.47E-05
1063	609125.73	4170929.98	5.49E-04	2.44E-04	9.11E-05	4.26E-05	6.73E-05	2.44E-05
1064	609116.69	4170926.16	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1065	609104.03	4170913.21	5.39E-04	2.40E-04	8.95E-05	4.19E-05	6.61E-05	2.39E-05
1066	609100.4	4170904.09	5.46E-04	2.43E-04	9.07E-05	4.24E-05	6.69E-05	2.42E-05
1067	609096.77	4170894.97	5.52E-04	2.46E-04	9.17E-05	4.29E-05	6.77E-05	2.45E-05
1068	609093.14	4170885.85	5.58E-04	2.49E-04	9.28E-05	4.34E-05	6.85E-05	2.48E-05
1069	609078.63	4170849.37	5.81E-04	2.59E-04	9.65E-05	4.52E-05	7.13E-05	2.58E-05
1070	609075	4170840.25	5.86E-04	2.61E-04	9.74E-05	4.56E-05	7.19E-05	2.60E-05
1071	609071.37	4170831.13	5.91E-04	2.63E-04	9.81E-05	4.59E-05	7.24E-05	2.62E-05
1072	609067.74	4170822.01	5.94E-04	2.65E-04	9.87E-05	4.62E-05	7.29E-05	2.64E-05
1073	609064.12	4170812.89	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
1074	609060.49	4170803.77	5.98E-04	2.66E-04	9.94E-05	4.65E-05	7.34E-05	2.66E-05
1075	609045.97	4170767.28	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.29E-05	2.64E-05
1076	609042.35	4170758.16	5.92E-04	2.64E-04	9.83E-05	4.60E-05	7.26E-05	2.63E-05
1077	609038.72	4170749.04	5.89E-04	2.62E-04	9.79E-05	4.58E-05	7.22E-05	2.61E-05
1078	609035.09	4170739.92	5.86E-04	2.61E-04	9.74E-05	4.56E-05	7.19E-05	2.60E-05
1079	609031.46	4170730.8	5.84E-04	2.60E-04	9.70E-05	4.54E-05	7.16E-05	2.59E-05
1080	609306.52	4171006.51	6.03E-04	2.68E-04	1.00E-04	4.68E-05	7.39E-05	2.67E-05
1081	609316.36	4171006.55	6.17E-04	2.75E-04	1.03E-04	4.80E-05	7.57E-05	2.74E-05
1082	609326.21	4171006.6	6.33E-04	2.82E-04	1.05E-04	4.92E-05	7.76E-05	2.81E-05
1083	609336.05	4171006.64	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.98E-05	2.89E-05
1084	609345.89	4171006.69	6.70E-04	2.98E-04	1.11E-04	5.20E-05	8.21E-05	2.97E-05
1085	609355.74	4171006.73	6.91E-04	3.07E-04	1.15E-04	5.37E-05	8.47E-05	3.07E-05
1086	609365.58	4171006.78	7.14E-04	3.18E-04	1.19E-04	5.54E-05	8.75E-05	3.17E-05
1087	609375.42	4171006.82	7.38E-04	3.29E-04	1.23E-04	5.74E-05	9.05E-05	3.28E-05
1088	609385.27	4171006.86	7.65E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05

1089	609395.11	4171006.91	7.92E-04	3.53E-04	1.32E-04	6.16E-05	9.71E-05	3.52E-05
1090	609404.95	4171006.95	8.22E-04	3.66E-04	1.36E-04	6.38E-05	1.01E-04	3.65E-05
1091	609414.8	4171007	8.52E-04	3.79E-04	1.42E-04	6.62E-05	1.05E-04	3.78E-05
1092	609424.64	4171007.04	8.85E-04	3.94E-04	1.47E-04	6.87E-05	1.08E-04	3.93E-05
1093	609434.48	4171007.09	9.18E-04	4.09E-04	1.52E-04	7.13E-05	1.13E-04	4.07E-05
1094	609444.33	4171007.13	9.52E-04	4.24E-04	1.58E-04	7.40E-05	1.17E-04	4.23E-05
1095	609454.17	4171007.18	9.87E-04	4.39E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
1096	609464.01	4171007.22	1.02E-03	4.55E-04	1.70E-04	7.95E-05	1.25E-04	4.54E-05
1097	609473.86	4171007.27	1.06E-03	4.71E-04	1.76E-04	8.23E-05	1.30E-04	4.70E-05
1098	609483.7	4171007.31	1.10E-03	4.88E-04	1.82E-04	8.51E-05	1.34E-04	4.86E-05
1099	609493.54	4171007.36	1.13E-03	5.04E-04	1.88E-04	8.79E-05	1.39E-04	5.02E-05
1100	609503.39	4171007.4	1.17E-03	5.20E-04	1.94E-04	9.07E-05	1.43E-04	5.18E-05
1101	609513.23	4171007.45	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
1102	609523.07	4171007.49	1.24E-03	5.51E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
1103	609532.92	4171007.53	1.27E-03	5.65E-04	2.11E-04	9.87E-05	1.56E-04	5.64E-05
1104	609542.76	4171007.58	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
1105	609552.6	4171007.62	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
1106	609562.45	4171007.67	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
1107	609572.29	4171007.71	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
1108	609582.13	4171007.76	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
1109	609297.52	4171012.72	5.73E-04	2.55E-04	9.52E-05	4.46E-05	7.03E-05	2.55E-05
1110	609288.56	4171008.93	5.72E-04	2.55E-04	9.51E-05	4.45E-05	7.02E-05	2.54E-05
1111	609279.61	4171005.14	5.72E-04	2.55E-04	9.50E-05	4.44E-05	7.01E-05	2.54E-05
1112	609234.83	4170986.18	5.72E-04	2.54E-04	9.49E-05	4.44E-05	7.01E-05	2.54E-05
1113	609225.88	4170982.39	5.71E-04	2.54E-04	9.49E-05	4.44E-05	7.00E-05	2.54E-05
1114	609216.92	4170978.6	5.71E-04	2.54E-04	9.48E-05	4.43E-05	7.00E-05	2.53E-05
1115	609207.97	4170974.81	5.69E-04	2.53E-04	9.46E-05	4.43E-05	6.98E-05	2.53E-05
1116	609199.01	4170971.02	5.68E-04	2.53E-04	9.44E-05	4.41E-05	6.97E-05	2.52E-05
1117	609190.06	4170967.23	5.66E-04	2.52E-04	9.41E-05	4.40E-05	6.94E-05	2.51E-05
1118	609181.1	4170963.44	5.64E-04	2.51E-04	9.36E-05	4.38E-05	6.91E-05	2.50E-05
1119	609172.15	4170959.65	5.60E-04	2.49E-04	9.31E-05	4.35E-05	6.87E-05	2.49E-05
1120	609145.28	4170948.28	5.46E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1121	609136.33	4170944.49	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1122	609127.37	4170940.7	5.34E-04	2.38E-04	8.87E-05	4.15E-05	6.55E-05	2.37E-05
1123	609118.42	4170936.91	5.27E-04	2.34E-04	8.75E-05	4.09E-05	6.46E-05	2.34E-05
1124	609109.46	4170933.12	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05
1125	609096.91	4170920.29	5.18E-04	2.30E-04	8.60E-05	4.02E-05	6.35E-05	2.30E-05
1126	609093.32	4170911.25	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.33E-05
1127	609089.72	4170902.22	5.30E-04	2.36E-04	8.80E-05	4.12E-05	6.50E-05	2.35E-05
1128	609086.13	4170893.18	5.36E-04	2.38E-04	8.90E-05	4.16E-05	6.57E-05	2.38E-05
1129	609082.53	4170884.15	5.41E-04	2.41E-04	8.99E-05	4.21E-05	6.64E-05	2.40E-05
1130	609071.75	4170857.04	5.57E-04	2.48E-04	9.25E-05	4.32E-05	6.82E-05	2.47E-05
1131	609068.16	4170848.01	5.61E-04	2.50E-04	9.33E-05	4.36E-05	6.88E-05	2.49E-05
1132	609064.56	4170838.97	5.66E-04	2.52E-04	9.40E-05	4.40E-05	6.94E-05	2.51E-05
1133	609060.97	4170829.93	5.69E-04	2.53E-04	9.46E-05	4.42E-05	6.98E-05	2.53E-05
1134	609057.37	4170820.9	5.72E-04	2.55E-04	9.51E-05	4.45E-05	7.02E-05	2.54E-05
1135	609053.78	4170811.86	5.74E-04	2.56E-04	9.54E-05	4.46E-05	7.04E-05	2.55E-05
1136	609050.18	4170802.83	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1137	609046.59	4170793.79	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1138	609035.81	4170766.69	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
1139	609032.21	4170757.65	5.67E-04	2.53E-04	9.43E-05	4.41E-05	6.96E-05	2.52E-05
1140	609028.62	4170748.62	5.65E-04	2.51E-04	9.38E-05	4.39E-05	6.92E-05	2.51E-05

1141	609025.02	4170739.58	5.62E-04	2.50E-04	9.34E-05	4.37E-05	6.89E-05	2.49E-05
1142	609021.43	4170730.54	5.60E-04	2.49E-04	9.30E-05	4.35E-05	6.86E-05	2.48E-05
1143	609306.47	4171016.51	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1144	609316.32	4171016.55	5.88E-04	2.62E-04	9.77E-05	4.57E-05	7.21E-05	2.61E-05
1145	609326.16	4171016.6	6.03E-04	2.68E-04	1.00E-04	4.69E-05	7.39E-05	2.68E-05
1146	609336	4171016.64	6.19E-04	2.76E-04	1.03E-04	4.81E-05	7.59E-05	2.75E-05
1147	609345.85	4171016.69	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
1148	609355.69	4171016.73	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
1149	609244.28	4171000.2	5.47E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1150	609235.41	4170996.44	5.47E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1151	609226.53	4170992.69	5.47E-04	2.43E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
1152	609217.65	4170988.93	5.47E-04	2.43E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
1153	609208.77	4170985.17	5.46E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1154	609199.89	4170981.41	5.46E-04	2.43E-04	9.06E-05	4.24E-05	6.69E-05	2.42E-05
1155	609191.02	4170977.66	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.68E-05	2.42E-05
1156	609182.14	4170973.9	5.43E-04	2.42E-04	9.02E-05	4.22E-05	6.65E-05	2.41E-05
1157	609173.26	4170970.14	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1158	609164.38	4170966.38	5.37E-04	2.39E-04	8.93E-05	4.18E-05	6.59E-05	2.39E-05
1159	609137.75	4170955.11	5.25E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1160	609128.87	4170951.35	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05
1161	609119.99	4170947.59	5.13E-04	2.28E-04	8.52E-05	3.98E-05	6.29E-05	2.28E-05
1162	609111.12	4170943.83	5.06E-04	2.25E-04	8.41E-05	3.93E-05	6.21E-05	2.25E-05
1163	609102.24	4170940.08	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.22E-05
1164	609089.8	4170927.36	4.98E-04	2.22E-04	8.27E-05	3.87E-05	6.10E-05	2.21E-05
1165	609086.23	4170918.4	5.04E-04	2.24E-04	8.36E-05	3.91E-05	6.17E-05	2.23E-05
1166	609082.67	4170909.45	5.09E-04	2.27E-04	8.46E-05	3.96E-05	6.24E-05	2.26E-05
1167	609079.11	4170900.49	5.14E-04	2.29E-04	8.54E-05	4.00E-05	6.31E-05	2.28E-05
1168	609075.54	4170891.53	5.20E-04	2.31E-04	8.63E-05	4.04E-05	6.37E-05	2.31E-05
1169	609064.85	4170864.66	5.34E-04	2.38E-04	8.87E-05	4.15E-05	6.55E-05	2.37E-05
1170	609061.29	4170855.7	5.38E-04	2.40E-04	8.94E-05	4.18E-05	6.60E-05	2.39E-05
1171	609057.72	4170846.74	5.42E-04	2.41E-04	9.01E-05	4.22E-05	6.65E-05	2.41E-05
1172	609054.16	4170837.79	5.46E-04	2.43E-04	9.07E-05	4.24E-05	6.70E-05	2.42E-05
1173	609050.6	4170828.83	5.49E-04	2.44E-04	9.12E-05	4.27E-05	6.73E-05	2.44E-05
1174	609047.03	4170819.87	5.51E-04	2.45E-04	9.16E-05	4.29E-05	6.76E-05	2.45E-05
1175	609043.47	4170810.91	5.53E-04	2.46E-04	9.18E-05	4.30E-05	6.78E-05	2.45E-05
1176	609039.91	4170801.95	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.79E-05	2.46E-05
1177	609036.34	4170793	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.78E-05	2.45E-05
1178	609022.09	4170757.17	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.68E-05	2.42E-05
1179	609018.53	4170748.21	5.42E-04	2.41E-04	9.00E-05	4.21E-05	6.65E-05	2.41E-05
1180	609014.96	4170739.25	5.40E-04	2.40E-04	8.96E-05	4.19E-05	6.62E-05	2.39E-05
1181	609011.4	4170730.29	5.37E-04	2.39E-04	8.93E-05	4.18E-05	6.59E-05	2.39E-05
1182	609253.54	4171014.14	5.23E-04	2.33E-04	8.68E-05	4.06E-05	6.41E-05	2.32E-05
1183	609244.74	4171010.41	5.23E-04	2.33E-04	8.69E-05	4.07E-05	6.42E-05	2.32E-05
1184	609235.93	4171006.68	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.32E-05
1185	609227.12	4171002.96	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.43E-05	2.33E-05
1186	609218.31	4170999.23	5.24E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1187	609209.51	4170995.5	5.25E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1188	609200.7	4170991.77	5.24E-04	2.33E-04	8.71E-05	4.07E-05	6.43E-05	2.33E-05
1189	609191.89	4170988.05	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.32E-05
1190	609183.09	4170984.32	5.23E-04	2.33E-04	8.68E-05	4.06E-05	6.41E-05	2.32E-05
1191	609174.28	4170980.59	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1192	609165.47	4170976.86	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05

1193	609156.67	4170973.13	5.16E-04	2.30E-04	8.57E-05	4.01E-05	6.33E-05	2.29E-05
1194	609130.25	4170961.95	5.04E-04	2.24E-04	8.37E-05	3.92E-05	6.18E-05	2.24E-05
1195	609121.44	4170958.22	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.21E-05
1196	609112.63	4170954.5	4.93E-04	2.20E-04	8.19E-05	3.83E-05	6.05E-05	2.19E-05
1197	609103.83	4170950.77	4.87E-04	2.17E-04	8.09E-05	3.78E-05	5.97E-05	2.16E-05
1198	609095.02	4170947.04	4.80E-04	2.14E-04	7.98E-05	3.73E-05	5.89E-05	2.13E-05
1199	609082.68	4170934.43	4.79E-04	2.13E-04	7.96E-05	3.72E-05	5.87E-05	2.13E-05
1200	609079.14	4170925.54	4.84E-04	2.16E-04	8.05E-05	3.76E-05	5.94E-05	2.15E-05
1201	609075.61	4170916.65	4.90E-04	2.18E-04	8.13E-05	3.80E-05	6.00E-05	2.17E-05
1202	609072.07	4170907.77	4.95E-04	2.20E-04	8.22E-05	3.84E-05	6.06E-05	2.20E-05
1203	609068.54	4170898.88	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.22E-05
1204	609057.93	4170872.22	5.13E-04	2.28E-04	8.52E-05	3.98E-05	6.29E-05	2.28E-05
1205	609054.4	4170863.34	5.17E-04	2.30E-04	8.59E-05	4.02E-05	6.34E-05	2.29E-05
1206	609050.86	4170854.45	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1207	609047.33	4170845.57	5.24E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1208	609043.79	4170836.68	5.28E-04	2.35E-04	8.76E-05	4.10E-05	6.47E-05	2.34E-05
1209	609040.26	4170827.8	5.30E-04	2.36E-04	8.81E-05	4.12E-05	6.50E-05	2.35E-05
1210	609036.72	4170818.91	5.32E-04	2.37E-04	8.84E-05	4.13E-05	6.52E-05	2.36E-05
1211	609033.19	4170810.02	5.33E-04	2.37E-04	8.85E-05	4.14E-05	6.53E-05	2.37E-05
1212	609029.65	4170801.14	5.33E-04	2.37E-04	8.85E-05	4.14E-05	6.53E-05	2.37E-05
1213	609026.12	4170792.25	5.32E-04	2.37E-04	8.84E-05	4.13E-05	6.52E-05	2.36E-05
1214	609022.58	4170783.37	5.31E-04	2.36E-04	8.81E-05	4.12E-05	6.50E-05	2.35E-05
1215	609011.98	4170756.71	5.23E-04	2.33E-04	8.69E-05	4.07E-05	6.42E-05	2.32E-05
1216	609008.44	4170747.82	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1217	609630.09	4170735.29	2.36E-02	1.05E-02	3.92E-03	1.83E-03	2.89E-03	1.05E-03
1218	609633.23	4170718.86	2.84E-02	1.27E-02	4.72E-03	2.21E-03	3.49E-03	1.26E-03
1219	609633.37	4170709.42	3.14E-02	1.40E-02	5.22E-03	2.44E-03	3.86E-03	1.40E-03
1220	609633.51	4170699.98	3.37E-02	1.50E-02	5.61E-03	2.62E-03	4.14E-03	1.50E-03
1221	609633.65	4170690.54	3.52E-02	1.57E-02	5.84E-03	2.73E-03	4.31E-03	1.56E-03
1222	609633.8	4170681.1	3.57E-02	1.59E-02	5.93E-03	2.78E-03	4.38E-03	1.59E-03
1223	609633.94	4170671.66	3.54E-02	1.58E-02	5.88E-03	2.75E-03	4.34E-03	1.57E-03
1224	609634.08	4170662.22	3.43E-02	1.53E-02	5.70E-03	2.67E-03	4.21E-03	1.52E-03
1225	609634.22	4170652.78	3.24E-02	1.44E-02	5.39E-03	2.52E-03	3.98E-03	1.44E-03
1226	609634.36	4170643.34	2.98E-02	1.33E-02	4.95E-03	2.32E-03	3.66E-03	1.32E-03
1227	609634.5	4170633.9	2.66E-02	1.18E-02	4.42E-03	2.07E-03	3.26E-03	1.18E-03
1228	609634.65	4170624.46	2.30E-02	1.02E-02	3.82E-03	1.79E-03	2.82E-03	1.02E-03
1229	609640.09	4170735.44	2.03E-02	9.03E-03	3.37E-03	1.58E-03	2.49E-03	9.00E-04
1230	609634.09	4170749.42	1.78E-02	7.93E-03	2.96E-03	1.39E-03	2.19E-03	7.91E-04
1231	609643.23	4170719.01	2.36E-02	1.05E-02	3.91E-03	1.83E-03	2.89E-03	1.05E-03
1232	609643.37	4170709.57	2.57E-02	1.14E-02	4.26E-03	1.99E-03	3.15E-03	1.14E-03
1233	609643.51	4170700.13	2.73E-02	1.22E-02	4.54E-03	2.12E-03	3.35E-03	1.21E-03
1234	609643.65	4170690.69	2.84E-02	1.26E-02	4.71E-03	2.21E-03	3.48E-03	1.26E-03
1235	609643.79	4170681.25	2.88E-02	1.28E-02	4.79E-03	2.24E-03	3.53E-03	1.28E-03
1236	609643.94	4170671.81	2.86E-02	1.27E-02	4.75E-03	2.22E-03	3.51E-03	1.27E-03
1237	609644.08	4170662.37	2.78E-02	1.24E-02	4.62E-03	2.16E-03	3.41E-03	1.23E-03
1238	609644.22	4170652.93	2.64E-02	1.18E-02	4.39E-03	2.05E-03	3.24E-03	1.17E-03
1239	609644.36	4170643.49	2.45E-02	1.09E-02	4.07E-03	1.91E-03	3.01E-03	1.09E-03
1240	609644.5	4170634.05	2.22E-02	9.89E-03	3.69E-03	1.73E-03	2.72E-03	9.86E-04
1241	609644.65	4170624.61	1.97E-02	8.75E-03	3.26E-03	1.53E-03	2.41E-03	8.72E-04
1242	609650.09	4170735.59	1.76E-02	7.84E-03	2.92E-03	1.37E-03	2.16E-03	7.81E-04
1243	609644.09	4170749.57	1.59E-02	7.07E-03	2.64E-03	1.24E-03	1.95E-03	7.06E-04
1244	609631.05	4170766.41	1.41E-02	6.28E-03	2.34E-03	1.10E-03	1.73E-03	6.26E-04

1245	609653.23	4170719.16	1.99E-02	8.87E-03	3.31E-03	1.55E-03	2.44E-03	8.85E-04
1246	609653.37	4170709.72	2.14E-02	9.54E-03	3.56E-03	1.67E-03	2.63E-03	9.52E-04
1247	609653.51	4170700.28	2.26E-02	1.01E-02	3.76E-03	1.76E-03	2.78E-03	1.01E-03
1248	609653.65	4170690.84	2.34E-02	1.04E-02	3.89E-03	1.82E-03	2.87E-03	1.04E-03
1249	609653.79	4170681.4	2.38E-02	1.06E-02	3.95E-03	1.85E-03	2.92E-03	1.06E-03
1250	609653.94	4170671.96	2.37E-02	1.05E-02	3.93E-03	1.84E-03	2.90E-03	1.05E-03
1251	609654.08	4170662.52	2.31E-02	1.03E-02	3.83E-03	1.79E-03	2.83E-03	1.02E-03
1252	609654.22	4170653.08	2.21E-02	9.82E-03	3.67E-03	1.71E-03	2.71E-03	9.79E-04
1253	609654.36	4170643.64	2.07E-02	9.20E-03	3.43E-03	1.61E-03	2.53E-03	9.17E-04
1254	609654.5	4170634.2	1.90E-02	8.44E-03	3.15E-03	1.47E-03	2.33E-03	8.42E-04
1255	609654.64	4170624.76	1.71E-02	7.59E-03	2.83E-03	1.33E-03	2.09E-03	7.57E-04
1256	609659.49	4170737.14	1.53E-02	6.81E-03	2.54E-03	1.19E-03	1.88E-03	6.80E-04
1257	609655.89	4170745.53	1.46E-02	6.50E-03	2.43E-03	1.13E-03	1.79E-03	6.48E-04
1258	609652.29	4170753.91	1.38E-02	6.13E-03	2.29E-03	1.07E-03	1.69E-03	6.11E-04
1259	609648.7	4170762.3	1.28E-02	5.72E-03	2.13E-03	9.98E-04	1.58E-03	5.70E-04
1260	609636.64	4170774.12	1.21E-02	5.39E-03	2.01E-03	9.41E-04	1.48E-03	5.38E-04
1261	609628.19	4170777.55	1.22E-02	5.43E-03	2.03E-03	9.48E-04	1.50E-03	5.41E-04
1262	609663.08	4170728.75	1.58E-02	7.05E-03	2.63E-03	1.23E-03	1.94E-03	7.03E-04
1263	609663.23	4170719.31	1.71E-02	7.62E-03	2.84E-03	1.33E-03	2.10E-03	7.60E-04
1264	609663.37	4170709.87	1.82E-02	8.12E-03	3.03E-03	1.42E-03	2.24E-03	8.10E-04
1265	609663.51	4170700.43	1.91E-02	8.52E-03	3.18E-03	1.49E-03	2.35E-03	8.50E-04
1266	609663.65	4170690.99	1.98E-02	8.79E-03	3.28E-03	1.53E-03	2.42E-03	8.77E-04
1267	609663.79	4170681.55	2.00E-02	8.91E-03	3.33E-03	1.56E-03	2.46E-03	8.89E-04
1268	609663.93	4170672.11	2.00E-02	8.88E-03	3.31E-03	1.55E-03	2.45E-03	8.86E-04
1269	609664.08	4170662.67	1.95E-02	8.69E-03	3.24E-03	1.52E-03	2.39E-03	8.67E-04
1270	609664.22	4170653.23	1.88E-02	8.35E-03	3.12E-03	1.46E-03	2.30E-03	8.33E-04
1271	609664.36	4170643.79	1.77E-02	7.89E-03	2.94E-03	1.38E-03	2.17E-03	7.87E-04
1272	609664.5	4170634.35	1.64E-02	7.31E-03	2.73E-03	1.28E-03	2.01E-03	7.29E-04
1273	609664.64	4170624.91	1.50E-02	6.67E-03	2.49E-03	1.16E-03	1.84E-03	6.65E-04
1274	609669.59	4170737.06	1.35E-02	6.03E-03	2.25E-03	1.05E-03	1.66E-03	6.01E-04
1275	609662.59	4170753.37	1.25E-02	5.54E-03	2.07E-03	9.68E-04	1.53E-03	5.53E-04
1276	609655.6	4170769.67	1.11E-02	4.93E-03	1.84E-03	8.60E-04	1.36E-03	4.91E-04
1277	609643.88	4170781.17	1.05E-02	4.67E-03	1.74E-03	8.16E-04	1.29E-03	4.66E-04
1278	609627.44	4170787.84	1.06E-02	4.71E-03	1.76E-03	8.23E-04	1.30E-03	4.70E-04
1279	609673.22	4170719.46	1.49E-02	6.62E-03	2.47E-03	1.16E-03	1.82E-03	6.60E-04
1280	609673.37	4170710.02	1.57E-02	7.00E-03	2.61E-03	1.22E-03	1.93E-03	6.99E-04
1281	609673.51	4170700.58	1.64E-02	7.31E-03	2.73E-03	1.28E-03	2.01E-03	7.29E-04
1282	609673.65	4170691.14	1.69E-02	7.52E-03	2.81E-03	1.31E-03	2.07E-03	7.50E-04
1283	609673.79	4170681.7	1.71E-02	7.62E-03	2.84E-03	1.33E-03	2.10E-03	7.60E-04
1284	609673.93	4170672.26	1.71E-02	7.60E-03	2.84E-03	1.33E-03	2.09E-03	7.58E-04
1285	609674.07	4170662.82	1.68E-02	7.46E-03	2.79E-03	1.30E-03	2.06E-03	7.44E-04
1286	609674.22	4170653.38	1.62E-02	7.21E-03	2.69E-03	1.26E-03	1.99E-03	7.19E-04
1287	609674.36	4170643.94	1.54E-02	6.85E-03	2.56E-03	1.20E-03	1.89E-03	6.84E-04
1288	609674.5	4170634.5	1.44E-02	6.41E-03	2.39E-03	1.12E-03	1.77E-03	6.40E-04
1289	609674.64	4170625.06	1.33E-02	5.91E-03	2.21E-03	1.03E-03	1.63E-03	5.89E-04
1290	609679.66	4170737.04	1.20E-02	5.36E-03	2.00E-03	9.36E-04	1.48E-03	5.35E-04
1291	609672.8	4170753.02	1.13E-02	5.02E-03	1.87E-03	8.76E-04	1.38E-03	5.00E-04
1292	609665.95	4170768.99	1.02E-02	4.55E-03	1.70E-03	7.95E-04	1.25E-03	4.54E-04
1293	609651.05	4170788.24	9.21E-03	4.10E-03	1.53E-03	7.16E-04	1.13E-03	4.09E-04
1294	609634.94	4170794.77	9.31E-03	4.14E-03	1.55E-03	7.24E-04	1.14E-03	4.13E-04
1295	609683.22	4170719.61	1.31E-02	5.81E-03	2.17E-03	1.01E-03	1.60E-03	5.80E-04
1296	609683.36	4170710.17	1.37E-02	6.11E-03	2.28E-03	1.07E-03	1.68E-03	6.10E-04

1297	609683.51	4170700.73	1.43E-02	6.35E-03	2.37E-03	1.11E-03	1.75E-03	6.34E-04
1298	609683.65	4170691.29	1.46E-02	6.52E-03	2.43E-03	1.14E-03	1.80E-03	6.50E-04
1299	609683.79	4170681.85	1.48E-02	6.60E-03	2.46E-03	1.15E-03	1.82E-03	6.58E-04
1300	609683.93	4170672.41	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04
1301	609684.07	4170662.97	1.46E-02	6.49E-03	2.42E-03	1.13E-03	1.79E-03	6.47E-04
1302	609684.22	4170653.53	1.41E-02	6.29E-03	2.35E-03	1.10E-03	1.73E-03	6.28E-04
1303	609684.36	4170644.09	1.35E-02	6.02E-03	2.25E-03	1.05E-03	1.66E-03	6.00E-04
1304	609684.5	4170634.65	1.28E-02	5.68E-03	2.12E-03	9.91E-04	1.56E-03	5.66E-04
1305	609684.64	4170625.21	1.19E-02	5.28E-03	1.97E-03	9.22E-04	1.45E-03	5.27E-04
1306	609689.71	4170737.07	1.08E-02	4.80E-03	1.79E-03	8.38E-04	1.32E-03	4.79E-04
1307	609682.96	4170752.79	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.53E-04
1308	609676.22	4170768.52	9.42E-03	4.19E-03	1.56E-03	7.32E-04	1.16E-03	4.18E-04
1309	609669.48	4170784.25	8.50E-03	3.78E-03	1.41E-03	6.61E-04	1.04E-03	3.77E-04
1310	609658.18	4170795.33	8.15E-03	3.63E-03	1.35E-03	6.33E-04	9.99E-04	3.62E-04
1311	609642.32	4170801.76	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
1312	609626.47	4170808.2	8.16E-03	3.63E-03	1.36E-03	6.34E-04	1.00E-03	3.62E-04
1313	609693.22	4170719.76	1.16E-02	5.15E-03	1.92E-03	8.98E-04	1.42E-03	5.13E-04
1314	609693.36	4170710.32	1.21E-02	5.38E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
1315	609693.51	4170700.88	1.25E-02	5.57E-03	2.08E-03	9.73E-04	1.54E-03	5.56E-04
1316	609693.65	4170691.44	1.28E-02	5.71E-03	2.13E-03	9.96E-04	1.57E-03	5.69E-04
1317	609693.79	4170682	1.30E-02	5.77E-03	2.16E-03	1.01E-03	1.59E-03	5.76E-04
1318	609693.93	4170672.56	1.30E-02	5.77E-03	2.15E-03	1.01E-03	1.59E-03	5.76E-04
1319	609694.07	4170663.12	1.28E-02	5.70E-03	2.13E-03	9.95E-04	1.57E-03	5.68E-04
1320	609694.21	4170653.68	1.25E-02	5.55E-03	2.07E-03	9.69E-04	1.53E-03	5.53E-04
1321	609694.36	4170644.24	1.20E-02	5.34E-03	1.99E-03	9.32E-04	1.47E-03	5.32E-04
1322	609694.5	4170634.8	1.14E-02	5.07E-03	1.89E-03	8.84E-04	1.40E-03	5.05E-04
1323	609694.64	4170625.36	1.07E-02	4.75E-03	1.77E-03	8.29E-04	1.31E-03	4.74E-04
1324	609699.75	4170737.12	9.70E-03	4.32E-03	1.61E-03	7.54E-04	1.19E-03	4.31E-04
1325	609693.09	4170752.65	9.28E-03	4.13E-03	1.54E-03	7.21E-04	1.14E-03	4.12E-04
1326	609686.43	4170768.18	8.67E-03	3.86E-03	1.44E-03	6.74E-04	1.06E-03	3.85E-04
1327	609679.77	4170783.72	7.94E-03	3.54E-03	1.32E-03	6.17E-04	9.74E-04	3.53E-04
1328	609665.28	4170802.43	7.26E-03	3.23E-03	1.21E-03	5.64E-04	8.91E-04	3.22E-04
1329	609649.62	4170808.78	7.37E-03	3.28E-03	1.22E-03	5.72E-04	9.03E-04	3.27E-04
1330	609633.96	4170815.14	7.32E-03	3.26E-03	1.22E-03	5.68E-04	8.97E-04	3.25E-04
1331	609703.22	4170719.91	1.03E-02	4.59E-03	1.71E-03	8.01E-04	1.26E-03	4.58E-04
1332	609703.36	4170710.47	1.07E-02	4.78E-03	1.78E-03	8.34E-04	1.32E-03	4.76E-04
1333	609703.5	4170701.03	1.11E-02	4.93E-03	1.84E-03	8.61E-04	1.36E-03	4.92E-04
1334	609703.65	4170691.59	1.13E-02	5.04E-03	1.88E-03	8.80E-04	1.39E-03	5.03E-04
1335	609703.79	4170682.15	1.15E-02	5.10E-03	1.90E-03	8.91E-04	1.41E-03	5.09E-04
1336	609703.93	4170672.71	1.15E-02	5.10E-03	1.90E-03	8.91E-04	1.41E-03	5.09E-04
1337	609704.07	4170663.27	1.13E-02	5.05E-03	1.88E-03	8.81E-04	1.39E-03	5.03E-04
1338	609704.21	4170653.83	1.11E-02	4.93E-03	1.84E-03	8.61E-04	1.36E-03	4.92E-04
1339	609704.36	4170644.39	1.07E-02	4.76E-03	1.78E-03	8.32E-04	1.31E-03	4.75E-04
1340	609704.5	4170634.95	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.54E-04
1341	609704.64	4170625.51	9.65E-03	4.29E-03	1.60E-03	7.50E-04	1.18E-03	4.28E-04
1342	609709.41	4170738.05	8.76E-03	3.90E-03	1.46E-03	6.81E-04	1.07E-03	3.89E-04
1343	609705.75	4170746.59	8.60E-03	3.83E-03	1.43E-03	6.68E-04	1.05E-03	3.82E-04
1344	609702.09	4170755.13	8.39E-03	3.73E-03	1.39E-03	6.52E-04	1.03E-03	3.72E-04
1345	609698.42	4170763.67	8.13E-03	3.62E-03	1.35E-03	6.32E-04	9.97E-04	3.61E-04
1346	609694.76	4170772.22	7.83E-03	3.49E-03	1.30E-03	6.09E-04	9.60E-04	3.48E-04
1347	609691.1	4170780.76	7.51E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
1348	609687.43	4170789.3	7.16E-03	3.19E-03	1.19E-03	5.56E-04	8.78E-04	3.18E-04

1349	609683.77	4170797.85	6.80E-03	3.03E-03	1.13E-03	5.28E-04	8.34E-04	3.02E-04
1350	609671.49	4170809.88	6.53E-03	2.91E-03	1.08E-03	5.07E-04	8.01E-04	2.90E-04
1351	609662.88	4170813.38	6.59E-03	2.93E-03	1.10E-03	5.12E-04	8.08E-04	2.93E-04
1352	609654.27	4170816.88	6.62E-03	2.95E-03	1.10E-03	5.14E-04	8.12E-04	2.94E-04
1353	609645.66	4170820.37	6.61E-03	2.94E-03	1.10E-03	5.14E-04	8.11E-04	2.93E-04
1354	609637.04	4170823.87	6.56E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.91E-04
1355	609628.43	4170827.36	6.48E-03	2.88E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
1356	609619.82	4170830.86	6.36E-03	2.83E-03	1.06E-03	4.94E-04	7.80E-04	2.82E-04
1357	609713.08	4170729.5	8.86E-03	3.94E-03	1.47E-03	6.88E-04	1.09E-03	3.93E-04
1358	609713.22	4170720.06	9.25E-03	4.12E-03	1.54E-03	7.19E-04	1.13E-03	4.11E-04
1359	609713.36	4170710.62	9.60E-03	4.27E-03	1.59E-03	7.46E-04	1.18E-03	4.26E-04
1360	609713.5	4170701.18	9.89E-03	4.40E-03	1.64E-03	7.68E-04	1.21E-03	4.39E-04
1361	609713.64	4170691.74	1.01E-02	4.49E-03	1.68E-03	7.84E-04	1.24E-03	4.48E-04
1362	609713.79	4170682.3	1.02E-02	4.54E-03	1.70E-03	7.93E-04	1.25E-03	4.53E-04
1363	609713.93	4170672.86	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.53E-04
1364	609714.07	4170663.42	1.01E-02	4.50E-03	1.68E-03	7.87E-04	1.24E-03	4.49E-04
1365	609714.21	4170653.98	9.92E-03	4.42E-03	1.65E-03	7.71E-04	1.22E-03	4.40E-04
1366	609714.35	4170644.54	9.62E-03	4.28E-03	1.60E-03	7.48E-04	1.18E-03	4.27E-04
1367	609714.5	4170635.1	9.23E-03	4.11E-03	1.53E-03	7.17E-04	1.13E-03	4.10E-04
1368	609714.64	4170625.66	8.77E-03	3.90E-03	1.46E-03	6.81E-04	1.08E-03	3.89E-04
1369	609719.48	4170738.04	7.96E-03	3.54E-03	1.32E-03	6.19E-04	9.76E-04	3.53E-04
1370	609715.88	4170746.43	7.85E-03	3.49E-03	1.30E-03	6.10E-04	9.62E-04	3.48E-04
1371	609708.69	4170763.2	7.49E-03	3.33E-03	1.24E-03	5.82E-04	9.18E-04	3.32E-04
1372	609705.09	4170771.59	7.25E-03	3.23E-03	1.21E-03	5.64E-04	8.89E-04	3.22E-04
1373	609701.5	4170779.98	7.00E-03	3.11E-03	1.16E-03	5.44E-04	8.58E-04	3.11E-04
1374	609697.9	4170788.37	6.72E-03	2.99E-03	1.12E-03	5.22E-04	8.23E-04	2.98E-04
1375	609694.3	4170796.75	6.42E-03	2.86E-03	1.07E-03	4.99E-04	7.87E-04	2.85E-04
1376	609690.71	4170805.14	6.12E-03	2.72E-03	1.02E-03	4.76E-04	7.50E-04	2.72E-04
1377	609678.65	4170816.96	5.90E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
1378	609670.2	4170820.39	5.95E-03	2.65E-03	9.89E-04	4.62E-04	7.30E-04	2.64E-04
1379	609661.74	4170823.82	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.33E-04	2.65E-04
1380	609653.28	4170827.26	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.33E-04	2.65E-04
1381	609644.83	4170830.69	5.95E-03	2.65E-03	9.89E-04	4.63E-04	7.30E-04	2.64E-04
1382	609636.37	4170834.12	5.89E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
1383	609627.91	4170837.55	5.81E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
1384	609619.46	4170840.98	5.69E-03	2.53E-03	9.45E-04	4.42E-04	6.98E-04	2.53E-04
1385	609723.22	4170720.21	8.35E-03	3.72E-03	1.39E-03	6.49E-04	1.02E-03	3.71E-04
1386	609723.36	4170710.77	8.64E-03	3.85E-03	1.44E-03	6.71E-04	1.06E-03	3.84E-04
1387	609723.5	4170701.33	8.88E-03	3.95E-03	1.48E-03	6.90E-04	1.09E-03	3.94E-04
1388	609723.64	4170691.89	9.05E-03	4.03E-03	1.50E-03	7.03E-04	1.11E-03	4.02E-04
1389	609723.79	4170682.45	9.15E-03	4.07E-03	1.52E-03	7.11E-04	1.12E-03	4.06E-04
1390	609723.93	4170673.01	9.17E-03	4.08E-03	1.52E-03	7.12E-04	1.12E-03	4.07E-04
1391	609724.07	4170663.57	9.09E-03	4.05E-03	1.51E-03	7.07E-04	1.12E-03	4.04E-04
1392	609724.21	4170654.13	8.94E-03	3.98E-03	1.48E-03	6.94E-04	1.10E-03	3.97E-04
1393	609724.35	4170644.69	8.70E-03	3.87E-03	1.44E-03	6.76E-04	1.07E-03	3.86E-04
1394	609724.49	4170635.25	8.38E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
1395	609724.64	4170625.81	8.00E-03	3.56E-03	1.33E-03	6.22E-04	9.81E-04	3.55E-04
1396	609729.53	4170738.06	7.26E-03	3.23E-03	1.21E-03	5.64E-04	8.91E-04	3.22E-04
1397	609722.45	4170754.58	7.06E-03	3.14E-03	1.17E-03	5.48E-04	8.65E-04	3.13E-04
1398	609715.36	4170771.11	6.72E-03	2.99E-03	1.12E-03	5.22E-04	8.24E-04	2.98E-04
1399	609708.28	4170787.63	6.29E-03	2.80E-03	1.04E-03	4.89E-04	7.71E-04	2.79E-04
1400	609701.2	4170804.15	5.80E-03	2.58E-03	9.63E-04	4.50E-04	7.11E-04	2.57E-04

1401	609685.78	4170824.05	5.35E-03	2.38E-03	8.89E-04	4.16E-04	6.56E-04	2.37E-04
1402	609677.45	4170827.43	5.40E-03	2.40E-03	8.97E-04	4.20E-04	6.62E-04	2.40E-04
1403	609660.8	4170834.19	5.44E-03	2.42E-03	9.03E-04	4.23E-04	6.67E-04	2.41E-04
1404	609644.14	4170840.95	5.38E-03	2.39E-03	8.94E-04	4.18E-04	6.60E-04	2.39E-04
1405	609627.48	4170847.71	5.23E-03	2.33E-03	8.68E-04	4.06E-04	6.41E-04	2.32E-04
1406	609733.22	4170720.36	7.58E-03	3.38E-03	1.26E-03	5.89E-04	9.30E-04	3.37E-04
1407	609733.36	4170710.92	7.82E-03	3.48E-03	1.30E-03	6.08E-04	9.59E-04	3.47E-04
1408	609733.5	4170701.48	8.02E-03	3.57E-03	1.33E-03	6.23E-04	9.84E-04	3.56E-04
1409	609733.64	4170692.04	8.17E-03	3.64E-03	1.36E-03	6.35E-04	1.00E-03	3.63E-04
1410	609733.78	4170682.6	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
1411	609733.93	4170673.16	8.27E-03	3.68E-03	1.37E-03	6.43E-04	1.01E-03	3.67E-04
1412	609734.07	4170663.72	8.22E-03	3.66E-03	1.37E-03	6.39E-04	1.01E-03	3.65E-04
1413	609734.21	4170654.28	8.10E-03	3.60E-03	1.34E-03	6.29E-04	9.93E-04	3.59E-04
1414	609734.35	4170644.84	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.69E-04	3.51E-04
1415	609734.49	4170635.4	7.65E-03	3.40E-03	1.27E-03	5.94E-04	9.37E-04	3.39E-04
1416	609734.64	4170625.96	7.33E-03	3.26E-03	1.22E-03	5.70E-04	8.99E-04	3.25E-04
1417	609739.58	4170738.11	6.65E-03	2.96E-03	1.11E-03	5.17E-04	8.16E-04	2.95E-04
1418	609732.58	4170754.42	6.50E-03	2.89E-03	1.08E-03	5.05E-04	7.96E-04	2.88E-04
1419	609725.59	4170770.73	6.23E-03	2.77E-03	1.04E-03	4.84E-04	7.64E-04	2.77E-04
1420	609718.6	4170787.04	5.88E-03	2.62E-03	9.77E-04	4.57E-04	7.21E-04	2.61E-04
1421	609711.6	4170803.34	5.48E-03	2.44E-03	9.10E-04	4.26E-04	6.72E-04	2.43E-04
1422	609704.61	4170819.65	5.04E-03	2.24E-03	8.37E-04	3.92E-04	6.18E-04	2.24E-04
1423	609692.89	4170831.15	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
1424	609676.45	4170837.82	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
1425	609660	4170844.49	4.95E-03	2.21E-03	8.23E-04	3.85E-04	6.08E-04	2.20E-04
1426	609643.56	4170851.17	4.88E-03	2.17E-03	8.10E-04	3.79E-04	5.98E-04	2.16E-04
1427	609627.12	4170857.84	4.72E-03	2.10E-03	7.84E-04	3.67E-04	5.79E-04	2.10E-04
1428	609743.22	4170720.51	6.92E-03	3.08E-03	1.15E-03	5.37E-04	8.48E-04	3.07E-04
1429	609743.36	4170711.07	7.12E-03	3.17E-03	1.18E-03	5.53E-04	8.73E-04	3.16E-04
1430	609743.5	4170701.63	7.29E-03	3.24E-03	1.21E-03	5.66E-04	8.93E-04	3.23E-04
1431	609743.64	4170692.19	7.41E-03	3.30E-03	1.23E-03	5.76E-04	9.09E-04	3.29E-04
1432	609743.78	4170682.75	7.49E-03	3.33E-03	1.24E-03	5.82E-04	9.18E-04	3.32E-04
1433	609743.93	4170673.31	7.51E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
1434	609744.07	4170663.87	7.47E-03	3.32E-03	1.24E-03	5.80E-04	9.15E-04	3.31E-04
1435	609744.21	4170654.43	7.37E-03	3.28E-03	1.22E-03	5.73E-04	9.03E-04	3.27E-04
1436	609744.35	4170644.99	7.21E-03	3.21E-03	1.20E-03	5.60E-04	8.84E-04	3.20E-04
1437	609744.49	4170635.55	7.00E-03	3.12E-03	1.16E-03	5.44E-04	8.58E-04	3.11E-04
1438	609744.63	4170626.11	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.27E-04	2.99E-04
1439	609749.61	4170738.17	6.11E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.71E-04
1440	609742.7	4170754.3	6.00E-03	2.67E-03	9.96E-04	4.66E-04	7.35E-04	2.66E-04
1441	609735.78	4170770.43	5.79E-03	2.58E-03	9.61E-04	4.50E-04	7.09E-04	2.57E-04
1442	609728.86	4170786.56	5.50E-03	2.45E-03	9.14E-04	4.28E-04	6.75E-04	2.44E-04
1443	609721.95	4170802.69	5.17E-03	2.30E-03	8.58E-04	4.02E-04	6.34E-04	2.29E-04
1444	609715.03	4170818.82	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
1445	609699.98	4170838.25	4.47E-03	1.99E-03	7.43E-04	3.47E-04	5.48E-04	1.98E-04
1446	609683.72	4170844.85	4.54E-03	2.02E-03	7.54E-04	3.53E-04	5.56E-04	2.01E-04
1447	609667.46	4170851.45	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.57E-04	2.02E-04
1448	609651.2	4170858.05	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.50E-04	1.99E-04
1449	609634.93	4170864.65	4.37E-03	1.94E-03	7.26E-04	3.39E-04	5.36E-04	1.94E-04
1450	609618.67	4170871.25	4.19E-03	1.86E-03	6.96E-04	3.25E-04	5.14E-04	1.86E-04
1451	609753.21	4170720.66	6.33E-03	2.82E-03	1.05E-03	4.92E-04	7.76E-04	2.81E-04
1452	609753.36	4170711.22	6.50E-03	2.90E-03	1.08E-03	5.05E-04	7.98E-04	2.89E-04

1453	609753.5	4170701.78	6.65E-03	2.96E-03	1.10E-03	5.17E-04	8.15E-04	2.95E-04
1454	609753.64	4170692.34	6.76E-03	3.01E-03	1.12E-03	5.25E-04	8.29E-04	3.00E-04
1455	609753.78	4170682.9	6.82E-03	3.04E-03	1.13E-03	5.30E-04	8.37E-04	3.03E-04
1456	609753.92	4170673.46	6.84E-03	3.05E-03	1.14E-03	5.32E-04	8.39E-04	3.04E-04
1457	609754.07	4170664.02	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.35E-04	3.02E-04
1458	609754.21	4170654.58	6.74E-03	3.00E-03	1.12E-03	5.23E-04	8.26E-04	2.99E-04
1459	609754.35	4170645.14	6.61E-03	2.94E-03	1.10E-03	5.14E-04	8.10E-04	2.93E-04
1460	609754.49	4170635.7	6.43E-03	2.86E-03	1.07E-03	5.00E-04	7.89E-04	2.86E-04
1461	609754.63	4170626.26	6.22E-03	2.77E-03	1.03E-03	4.83E-04	7.62E-04	2.76E-04
1462	609759.38	4170738.86	5.63E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
1463	609755.69	4170747.46	5.59E-03	2.49E-03	9.29E-04	4.35E-04	6.86E-04	2.48E-04
1464	609752.01	4170756.06	5.53E-03	2.46E-03	9.19E-04	4.30E-04	6.78E-04	2.46E-04
1465	609748.32	4170764.66	5.45E-03	2.42E-03	9.05E-04	4.23E-04	6.68E-04	2.42E-04
1466	609744.63	4170773.27	5.34E-03	2.38E-03	8.87E-04	4.15E-04	6.55E-04	2.37E-04
1467	609740.94	4170781.87	5.22E-03	2.32E-03	8.67E-04	4.05E-04	6.40E-04	2.32E-04
1468	609737.25	4170790.47	5.08E-03	2.26E-03	8.44E-04	3.95E-04	6.23E-04	2.25E-04
1469	609733.56	4170799.07	4.93E-03	2.19E-03	8.19E-04	3.83E-04	6.04E-04	2.19E-04
1470	609729.87	4170807.68	4.77E-03	2.12E-03	7.92E-04	3.70E-04	5.84E-04	2.12E-04
1471	609726.18	4170816.28	4.60E-03	2.05E-03	7.64E-04	3.57E-04	5.64E-04	2.04E-04
1472	609722.49	4170824.88	4.42E-03	1.97E-03	7.34E-04	3.44E-04	5.42E-04	1.96E-04
1473	609718.8	4170833.49	4.24E-03	1.89E-03	7.05E-04	3.30E-04	5.20E-04	1.88E-04
1474	609706.44	4170845.61	4.11E-03	1.83E-03	6.83E-04	3.20E-04	5.04E-04	1.83E-04
1475	609697.77	4170849.13	4.15E-03	1.85E-03	6.90E-04	3.23E-04	5.09E-04	1.84E-04
1476	609689.1	4170852.65	4.18E-03	1.86E-03	6.94E-04	3.24E-04	5.12E-04	1.85E-04
1477	609680.42	4170856.17	4.19E-03	1.86E-03	6.95E-04	3.25E-04	5.13E-04	1.86E-04
1478	609671.75	4170859.69	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.13E-04	1.86E-04
1479	609663.08	4170863.21	4.16E-03	1.85E-03	6.91E-04	3.23E-04	5.10E-04	1.85E-04
1480	609654.4	4170866.73	4.12E-03	1.83E-03	6.85E-04	3.20E-04	5.05E-04	1.83E-04
1481	609645.73	4170870.25	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
1482	609637.06	4170873.77	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
1483	609628.38	4170877.29	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
1484	609619.71	4170880.81	3.83E-03	1.70E-03	6.36E-04	2.97E-04	4.69E-04	1.70E-04
1485	609763.07	4170730.25	5.65E-03	2.51E-03	9.38E-04	4.39E-04	6.92E-04	2.51E-04
1486	609763.21	4170720.81	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.13E-04	2.58E-04
1487	609763.36	4170711.37	5.97E-03	2.66E-03	9.92E-04	4.64E-04	7.32E-04	2.65E-04
1488	609763.5	4170701.93	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
1489	609763.64	4170692.49	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.59E-04	2.75E-04
1490	609763.78	4170683.05	6.25E-03	2.78E-03	1.04E-03	4.85E-04	7.66E-04	2.77E-04
1491	609763.92	4170673.61	6.27E-03	2.79E-03	1.04E-03	4.87E-04	7.68E-04	2.78E-04
1492	609764.06	4170664.17	6.25E-03	2.78E-03	1.04E-03	4.85E-04	7.66E-04	2.77E-04
1493	609764.21	4170654.73	6.18E-03	2.75E-03	1.03E-03	4.80E-04	7.58E-04	2.74E-04
1494	609764.35	4170645.29	6.08E-03	2.71E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
1495	609764.49	4170635.85	5.93E-03	2.64E-03	9.86E-04	4.61E-04	7.28E-04	2.63E-04
1496	609764.63	4170626.41	5.75E-03	2.56E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
1497	609769.43	4170738.89	5.21E-03	2.32E-03	8.65E-04	4.05E-04	6.39E-04	2.31E-04
1498	609765.79	4170747.38	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
1499	609762.15	4170755.87	5.13E-03	2.28E-03	8.53E-04	3.99E-04	6.29E-04	2.28E-04
1500	609758.51	4170764.35	5.07E-03	2.26E-03	8.42E-04	3.94E-04	6.21E-04	2.25E-04
1501	609754.87	4170772.84	4.98E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
1502	609751.23	4170781.33	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.99E-04	2.17E-04
1503	609747.59	4170789.82	4.77E-03	2.12E-03	7.92E-04	3.71E-04	5.85E-04	2.12E-04
1504	609743.95	4170798.3	4.64E-03	2.07E-03	7.71E-04	3.61E-04	5.69E-04	2.06E-04

1505	609740.31	4170806.79	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
1506	609736.68	4170815.28	4.37E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
1507	609733.04	4170823.77	4.22E-03	1.88E-03	7.00E-04	3.28E-04	5.17E-04	1.87E-04
1508	609729.4	4170832.25	4.06E-03	1.81E-03	6.75E-04	3.16E-04	4.98E-04	1.80E-04
1509	609725.76	4170840.74	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
1510	609713.56	4170852.7	3.80E-03	1.69E-03	6.31E-04	2.95E-04	4.65E-04	1.68E-04
1511	609705	4170856.17	3.83E-03	1.70E-03	6.36E-04	2.98E-04	4.70E-04	1.70E-04
1512	609696.45	4170859.65	3.85E-03	1.71E-03	6.40E-04	2.99E-04	4.72E-04	1.71E-04
1513	609687.89	4170863.12	3.86E-03	1.72E-03	6.42E-04	3.00E-04	4.74E-04	1.71E-04
1514	609679.33	4170866.59	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
1515	609670.77	4170870.07	3.85E-03	1.71E-03	6.39E-04	2.99E-04	4.72E-04	1.71E-04
1516	609662.22	4170873.54	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.70E-04
1517	609653.66	4170877.01	3.78E-03	1.68E-03	6.28E-04	2.94E-04	4.63E-04	1.68E-04
1518	609645.1	4170880.48	3.73E-03	1.66E-03	6.19E-04	2.89E-04	4.57E-04	1.65E-04
1519	609636.55	4170883.96	3.66E-03	1.63E-03	6.08E-04	2.84E-04	4.49E-04	1.62E-04
1520	609627.99	4170887.43	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
1521	609619.43	4170890.9	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
1522	609773.07	4170730.4	5.22E-03	2.32E-03	8.67E-04	4.05E-04	6.40E-04	2.32E-04
1523	609773.21	4170720.96	5.37E-03	2.39E-03	8.92E-04	4.17E-04	6.58E-04	2.38E-04
1524	609773.35	4170711.52	5.50E-03	2.45E-03	9.13E-04	4.27E-04	6.74E-04	2.44E-04
1525	609773.5	4170702.08	5.61E-03	2.50E-03	9.31E-04	4.36E-04	6.87E-04	2.49E-04
1526	609773.64	4170692.64	5.69E-03	2.53E-03	9.45E-04	4.42E-04	6.97E-04	2.52E-04
1527	609773.78	4170683.2	5.74E-03	2.55E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
1528	609773.92	4170673.76	5.76E-03	2.56E-03	9.57E-04	4.48E-04	7.06E-04	2.56E-04
1529	609774.06	4170664.32	5.75E-03	2.56E-03	9.55E-04	4.47E-04	7.05E-04	2.55E-04
1530	609774.21	4170654.88	5.70E-03	2.54E-03	9.46E-04	4.43E-04	6.98E-04	2.53E-04
1531	609774.35	4170645.44	5.61E-03	2.50E-03	9.32E-04	4.36E-04	6.88E-04	2.49E-04
1532	609774.49	4170636	5.49E-03	2.44E-03	9.11E-04	4.26E-04	6.73E-04	2.44E-04
1533	609774.63	4170626.56	5.32E-03	2.37E-03	8.84E-04	4.14E-04	6.53E-04	2.36E-04
1534	609779.47	4170738.94	4.83E-03	2.15E-03	8.03E-04	3.75E-04	5.92E-04	2.14E-04
1535	609775.88	4170747.33	4.81E-03	2.14E-03	7.99E-04	3.74E-04	5.90E-04	2.13E-04
1536	609772.28	4170755.72	4.77E-03	2.13E-03	7.93E-04	3.71E-04	5.85E-04	2.12E-04
1537	609765.09	4170772.49	4.66E-03	2.07E-03	7.73E-04	3.62E-04	5.71E-04	2.07E-04
1538	609761.49	4170780.88	4.57E-03	2.04E-03	7.60E-04	3.55E-04	5.61E-04	2.03E-04
1539	609757.89	4170789.27	4.48E-03	1.99E-03	7.44E-04	3.48E-04	5.49E-04	1.99E-04
1540	609754.3	4170797.65	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
1541	609750.7	4170806.04	4.26E-03	1.90E-03	7.08E-04	3.31E-04	5.23E-04	1.89E-04
1542	609747.1	4170814.43	4.14E-03	1.84E-03	6.88E-04	3.22E-04	5.08E-04	1.84E-04
1543	609743.51	4170822.82	4.01E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
1544	609739.91	4170831.21	3.88E-03	1.73E-03	6.45E-04	3.02E-04	4.76E-04	1.72E-04
1545	609736.31	4170839.59	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
1546	609732.72	4170847.98	3.61E-03	1.61E-03	6.00E-04	2.81E-04	4.43E-04	1.60E-04
1547	609720.66	4170859.8	3.51E-03	1.56E-03	5.84E-04	2.73E-04	4.31E-04	1.56E-04
1548	609712.21	4170863.23	3.54E-03	1.58E-03	5.89E-04	2.75E-04	4.35E-04	1.57E-04
1549	609703.75	4170866.66	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1550	609695.29	4170870.1	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
1551	609686.84	4170873.53	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.39E-04	1.59E-04
1552	609678.38	4170876.96	3.57E-03	1.59E-03	5.93E-04	2.77E-04	4.37E-04	1.58E-04
1553	609669.92	4170880.39	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.57E-04
1554	609661.47	4170883.82	3.52E-03	1.56E-03	5.84E-04	2.73E-04	4.31E-04	1.56E-04
1555	609653.01	4170887.26	3.47E-03	1.55E-03	5.77E-04	2.70E-04	4.26E-04	1.54E-04
1556	609644.55	4170890.69	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04

1557	609636.1	4170894.12	3.35E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
1558	609627.64	4170897.55	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
1559	609619.19	4170900.98	3.20E-03	1.42E-03	5.32E-04	2.49E-04	3.92E-04	1.42E-04
1560	609783.07	4170730.55	4.84E-03	2.15E-03	8.04E-04	3.76E-04	5.93E-04	2.15E-04
1561	609783.21	4170721.11	4.97E-03	2.21E-03	8.25E-04	3.86E-04	6.09E-04	2.20E-04
1562	609783.35	4170711.67	5.08E-03	2.26E-03	8.44E-04	3.95E-04	6.23E-04	2.26E-04
1563	609783.5	4170702.23	5.18E-03	2.30E-03	8.60E-04	4.02E-04	6.35E-04	2.30E-04
1564	609783.64	4170692.79	5.25E-03	2.34E-03	8.72E-04	4.08E-04	6.43E-04	2.33E-04
1565	609783.78	4170683.35	5.30E-03	2.36E-03	8.80E-04	4.11E-04	6.49E-04	2.35E-04
1566	609783.92	4170673.91	5.31E-03	2.37E-03	8.83E-04	4.13E-04	6.52E-04	2.36E-04
1567	609784.06	4170664.47	5.31E-03	2.36E-03	8.81E-04	4.12E-04	6.50E-04	2.35E-04
1568	609784.2	4170655.03	5.27E-03	2.34E-03	8.75E-04	4.09E-04	6.46E-04	2.34E-04
1569	609784.35	4170645.59	5.19E-03	2.31E-03	8.63E-04	4.04E-04	6.37E-04	2.31E-04
1570	609784.49	4170636.15	5.09E-03	2.27E-03	8.46E-04	3.96E-04	6.24E-04	2.26E-04
1571	609784.63	4170626.71	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
1572	609789.51	4170739	4.49E-03	2.00E-03	7.47E-04	3.49E-04	5.51E-04	2.00E-04
1573	609782.39	4170755.6	4.45E-03	1.98E-03	7.39E-04	3.46E-04	5.46E-04	1.98E-04
1574	609778.83	4170763.9	4.41E-03	1.96E-03	7.33E-04	3.43E-04	5.41E-04	1.96E-04
1575	609771.71	4170780.51	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
1576	609764.59	4170797.11	4.12E-03	1.84E-03	6.85E-04	3.21E-04	5.06E-04	1.83E-04
1577	609761.03	4170805.41	4.03E-03	1.79E-03	6.69E-04	3.13E-04	4.94E-04	1.79E-04
1578	609753.92	4170822.01	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.70E-04
1579	609746.8	4170838.61	3.59E-03	1.60E-03	5.96E-04	2.79E-04	4.40E-04	1.59E-04
1580	609743.24	4170846.91	3.47E-03	1.54E-03	5.76E-04	2.70E-04	4.25E-04	1.54E-04
1581	609727.75	4170866.9	3.26E-03	1.45E-03	5.42E-04	2.53E-04	4.00E-04	1.45E-04
1582	609711.02	4170873.7	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
1583	609694.28	4170880.49	3.32E-03	1.48E-03	5.52E-04	2.58E-04	4.07E-04	1.48E-04
1584	609685.91	4170883.89	3.32E-03	1.48E-03	5.51E-04	2.58E-04	4.07E-04	1.47E-04
1585	609669.17	4170890.68	3.28E-03	1.46E-03	5.44E-04	2.55E-04	4.02E-04	1.45E-04
1586	609652.44	4170897.47	3.20E-03	1.42E-03	5.31E-04	2.49E-04	3.92E-04	1.42E-04
1587	609635.7	4170904.26	3.08E-03	1.37E-03	5.12E-04	2.40E-04	3.78E-04	1.37E-04
1588	609627.33	4170907.66	3.02E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
1589	609793.21	4170721.26	4.61E-03	2.05E-03	7.66E-04	3.58E-04	5.65E-04	2.05E-04
1590	609793.35	4170711.82	4.71E-03	2.10E-03	7.82E-04	3.66E-04	5.78E-04	2.09E-04
1591	609793.49	4170702.38	4.79E-03	2.13E-03	7.96E-04	3.72E-04	5.88E-04	2.13E-04
1592	609793.64	4170692.94	4.86E-03	2.16E-03	8.07E-04	3.77E-04	5.96E-04	2.16E-04
1593	609793.78	4170683.5	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
1594	609793.92	4170674.06	4.92E-03	2.19E-03	8.17E-04	3.82E-04	6.03E-04	2.18E-04
1595	609794.06	4170664.62	4.91E-03	2.19E-03	8.16E-04	3.82E-04	6.02E-04	2.18E-04
1596	609794.2	4170655.18	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.99E-04	2.17E-04
1597	609794.34	4170645.74	4.82E-03	2.15E-03	8.01E-04	3.75E-04	5.91E-04	2.14E-04
1598	609794.49	4170636.3	4.74E-03	2.11E-03	7.87E-04	3.68E-04	5.81E-04	2.10E-04
1599	609794.63	4170626.86	4.62E-03	2.06E-03	7.67E-04	3.59E-04	5.66E-04	2.05E-04
1600	609799.54	4170739.08	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
1601	609792.49	4170755.52	4.16E-03	1.85E-03	6.90E-04	3.23E-04	5.10E-04	1.85E-04
1602	609785.44	4170771.97	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.00E-04	1.81E-04
1603	609778.38	4170788.42	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
1604	609771.33	4170804.86	3.81E-03	1.70E-03	6.33E-04	2.96E-04	4.67E-04	1.69E-04
1605	609764.28	4170821.31	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
1606	609757.23	4170837.76	3.43E-03	1.53E-03	5.70E-04	2.67E-04	4.21E-04	1.52E-04
1607	609750.17	4170854.2	3.22E-03	1.43E-03	5.35E-04	2.50E-04	3.95E-04	1.43E-04
1608	609734.83	4170874.01	3.04E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04

1609	609718.25	4170880.74	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1610	609701.67	4170887.47	3.09E-03	1.38E-03	5.14E-04	2.40E-04	3.79E-04	1.37E-04
1611	609685.09	4170894.2	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1612	609668.51	4170900.93	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
1613	609651.93	4170907.66	2.95E-03	1.31E-03	4.91E-04	2.29E-04	3.62E-04	1.31E-04
1614	609635.34	4170914.39	2.84E-03	1.27E-03	4.72E-04	2.21E-04	3.49E-04	1.26E-04
1615	609618.76	4170921.12	2.71E-03	1.21E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
1616	609803.21	4170721.41	4.29E-03	1.91E-03	7.13E-04	3.33E-04	5.26E-04	1.90E-04
1617	609803.35	4170711.97	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
1618	609803.49	4170702.53	4.45E-03	1.98E-03	7.40E-04	3.46E-04	5.46E-04	1.98E-04
1619	609803.63	4170693.09	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
1620	609803.78	4170683.65	4.55E-03	2.02E-03	7.56E-04	3.53E-04	5.58E-04	2.02E-04
1621	609803.92	4170674.21	4.57E-03	2.03E-03	7.59E-04	3.55E-04	5.60E-04	2.03E-04
1622	609804.06	4170664.77	4.56E-03	2.03E-03	7.58E-04	3.55E-04	5.60E-04	2.03E-04
1623	609804.2	4170655.33	4.54E-03	2.02E-03	7.54E-04	3.53E-04	5.57E-04	2.01E-04
1624	609804.34	4170645.89	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.51E-04	1.99E-04
1625	609804.49	4170636.45	4.42E-03	1.97E-03	7.34E-04	3.43E-04	5.42E-04	1.96E-04
1626	609804.63	4170627.01	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
1627	609809.36	4170739.64	3.92E-03	1.74E-03	6.51E-04	3.04E-04	4.80E-04	1.74E-04
1628	609805.66	4170748.27	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
1629	609801.96	4170756.91	3.89E-03	1.73E-03	6.46E-04	3.02E-04	4.77E-04	1.73E-04
1630	609798.26	4170765.54	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
1631	609794.55	4170774.18	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
1632	609790.85	4170782.81	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
1633	609787.15	4170791.44	3.71E-03	1.65E-03	6.16E-04	2.88E-04	4.55E-04	1.65E-04
1634	609783.45	4170800.08	3.64E-03	1.62E-03	6.05E-04	2.83E-04	4.46E-04	1.62E-04
1635	609779.74	4170808.71	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1636	609776.04	4170817.35	3.48E-03	1.55E-03	5.79E-04	2.71E-04	4.27E-04	1.55E-04
1637	609772.34	4170825.98	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
1638	609768.64	4170834.62	3.30E-03	1.47E-03	5.49E-04	2.57E-04	4.05E-04	1.47E-04
1639	609764.93	4170843.25	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
1640	609761.23	4170851.88	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
1641	609757.53	4170860.52	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
1642	609753.83	4170869.15	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
1643	609741.42	4170881.32	2.84E-03	1.26E-03	4.71E-04	2.20E-04	3.48E-04	1.26E-04
1644	609732.71	4170884.85	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
1645	609724.01	4170888.39	2.88E-03	1.28E-03	4.78E-04	2.23E-04	3.53E-04	1.28E-04
1646	609715.3	4170891.92	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1647	609706.6	4170895.45	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
1648	609697.89	4170898.99	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1649	609689.19	4170902.52	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.28E-04
1650	609680.48	4170906.05	2.85E-03	1.27E-03	4.74E-04	2.22E-04	3.50E-04	1.27E-04
1651	609671.78	4170909.58	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.25E-04
1652	609663.07	4170913.12	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.42E-04	1.24E-04
1653	609654.37	4170916.65	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
1654	609645.66	4170920.18	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
1655	609636.96	4170923.72	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
1656	609628.25	4170927.25	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1657	609619.55	4170930.78	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
1658	609813.07	4170731	3.92E-03	1.74E-03	6.51E-04	3.04E-04	4.80E-04	1.74E-04
1659	609813.21	4170721.56	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
1660	609813.35	4170712.12	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.01E-04	1.81E-04

1661	609813.49	4170702.68	4.15E-03	1.85E-03	6.89E-04	3.22E-04	5.09E-04	1.84E-04
1662	609813.63	4170693.24	4.20E-03	1.87E-03	6.98E-04	3.26E-04	5.15E-04	1.86E-04
1663	609813.78	4170683.8	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
1664	609813.92	4170674.36	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
1665	609814.06	4170664.92	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
1666	609814.2	4170655.48	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
1667	609814.34	4170646.04	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
1668	609814.48	4170636.6	4.13E-03	1.84E-03	6.86E-04	3.21E-04	5.06E-04	1.83E-04
1669	609814.63	4170627.16	4.04E-03	1.80E-03	6.71E-04	3.14E-04	4.96E-04	1.79E-04
1670	609819.4	4170739.7	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
1671	609815.74	4170748.24	3.66E-03	1.63E-03	6.09E-04	2.85E-04	4.49E-04	1.63E-04
1672	609812.08	4170756.78	3.65E-03	1.62E-03	6.06E-04	2.83E-04	4.47E-04	1.62E-04
1673	609808.41	4170765.33	3.62E-03	1.61E-03	6.02E-04	2.82E-04	4.44E-04	1.61E-04
1674	609804.75	4170773.87	3.59E-03	1.60E-03	5.96E-04	2.79E-04	4.40E-04	1.59E-04
1675	609801.09	4170782.41	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.58E-04
1676	609797.42	4170790.96	3.50E-03	1.56E-03	5.81E-04	2.72E-04	4.29E-04	1.55E-04
1677	609793.76	4170799.5	3.44E-03	1.53E-03	5.72E-04	2.68E-04	4.22E-04	1.53E-04
1678	609790.09	4170808.04	3.38E-03	1.50E-03	5.61E-04	2.63E-04	4.14E-04	1.50E-04
1679	609786.43	4170816.58	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
1680	609782.77	4170825.13	3.24E-03	1.44E-03	5.37E-04	2.51E-04	3.97E-04	1.44E-04
1681	609779.1	4170833.67	3.16E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
1682	609775.44	4170842.21	3.07E-03	1.37E-03	5.11E-04	2.39E-04	3.77E-04	1.36E-04
1683	609771.78	4170850.76	2.99E-03	1.33E-03	4.96E-04	2.32E-04	3.66E-04	1.33E-04
1684	609768.11	4170859.3	2.90E-03	1.29E-03	4.82E-04	2.25E-04	3.55E-04	1.29E-04
1685	609764.45	4170867.84	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
1686	609760.79	4170876.38	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.33E-04	1.21E-04
1687	609748.51	4170888.42	2.65E-03	1.18E-03	4.41E-04	2.06E-04	3.25E-04	1.18E-04
1688	609739.9	4170891.92	2.67E-03	1.19E-03	4.44E-04	2.08E-04	3.28E-04	1.19E-04
1689	609731.29	4170895.41	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1690	609722.67	4170898.91	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
1691	609714.06	4170902.41	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.32E-04	1.20E-04
1692	609705.45	4170905.9	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
1693	609696.83	4170909.4	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.20E-04
1694	609688.22	4170912.89	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04
1695	609679.61	4170916.39	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1696	609671	4170919.88	2.63E-03	1.17E-03	4.36E-04	2.04E-04	3.22E-04	1.17E-04
1697	609662.38	4170923.38	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
1698	609653.77	4170926.87	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.13E-04	1.13E-04
1699	609645.16	4170930.37	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
1700	609636.54	4170933.87	2.45E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
1701	609627.93	4170937.36	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
1702	609619.32	4170940.86	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
1703	609823.07	4170731.15	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
1704	609823.21	4170721.71	3.75E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
1705	609823.35	4170712.27	3.82E-03	1.70E-03	6.34E-04	2.96E-04	4.68E-04	1.69E-04
1706	609823.49	4170702.83	3.87E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
1707	609823.63	4170693.39	3.92E-03	1.74E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
1708	609823.77	4170683.95	3.95E-03	1.76E-03	6.57E-04	3.07E-04	4.85E-04	1.75E-04
1709	609823.92	4170674.51	3.97E-03	1.77E-03	6.59E-04	3.08E-04	4.87E-04	1.76E-04
1710	609824.06	4170665.07	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
1711	609824.2	4170655.63	3.95E-03	1.76E-03	6.57E-04	3.07E-04	4.85E-04	1.76E-04
1712	609824.34	4170646.19	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04

1713	609824.48	4170636.75	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.74E-04	1.72E-04
1714	609824.63	4170627.31	3.79E-03	1.69E-03	6.30E-04	2.95E-04	4.65E-04	1.68E-04
1715	609829.44	4170739.77	3.45E-03	1.53E-03	5.72E-04	2.68E-04	4.23E-04	1.53E-04
1716	609825.81	4170748.23	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1717	609822.18	4170756.69	3.43E-03	1.53E-03	5.70E-04	2.66E-04	4.21E-04	1.52E-04
1718	609818.55	4170765.15	3.41E-03	1.52E-03	5.66E-04	2.65E-04	4.18E-04	1.51E-04
1719	609814.92	4170773.61	3.38E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
1720	609811.29	4170782.07	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
1721	609807.67	4170790.53	3.31E-03	1.47E-03	5.49E-04	2.57E-04	4.05E-04	1.47E-04
1722	609804.04	4170798.99	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
1723	609800.41	4170807.46	3.21E-03	1.43E-03	5.32E-04	2.49E-04	3.93E-04	1.42E-04
1724	609796.78	4170815.92	3.15E-03	1.40E-03	5.23E-04	2.44E-04	3.86E-04	1.40E-04
1725	609793.15	4170824.38	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1726	609789.52	4170832.84	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.69E-04	1.34E-04
1727	609785.9	4170841.3	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
1728	609782.27	4170849.76	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
1729	609778.64	4170858.22	2.79E-03	1.24E-03	4.63E-04	2.17E-04	3.42E-04	1.24E-04
1730	609775.01	4170866.68	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
1731	609771.38	4170875.14	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
1732	609767.75	4170883.61	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
1733	609755.6	4170895.53	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
1734	609747.07	4170898.99	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
1735	609738.53	4170902.45	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
1736	609730	4170905.92	2.53E-03	1.13E-03	4.21E-04	1.97E-04	3.10E-04	1.12E-04
1737	609721.47	4170909.38	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
1738	609712.94	4170912.84	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
1739	609704.41	4170916.3	2.53E-03	1.13E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
1740	609695.88	4170919.76	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
1741	609687.35	4170923.23	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
1742	609678.82	4170926.69	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
1743	609670.29	4170930.15	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
1744	609661.76	4170933.61	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
1745	609653.23	4170937.07	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
1746	609644.7	4170940.54	2.32E-03	1.03E-03	3.86E-04	1.80E-04	2.85E-04	1.03E-04
1747	609636.17	4170944	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
1748	609627.64	4170947.46	2.22E-03	9.86E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
1749	609619.11	4170950.92	2.16E-03	9.60E-04	3.58E-04	1.68E-04	2.64E-04	9.57E-05
1750	609833.06	4170731.3	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1751	609833.21	4170721.86	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.31E-04	1.56E-04
1752	609833.35	4170712.42	3.57E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
1753	609833.49	4170702.98	3.63E-03	1.61E-03	6.02E-04	2.82E-04	4.45E-04	1.61E-04
1754	609833.63	4170693.54	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
1755	609833.77	4170684.1	3.70E-03	1.65E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
1756	609833.91	4170674.66	3.71E-03	1.65E-03	6.17E-04	2.89E-04	4.55E-04	1.65E-04
1757	609834.06	4170665.22	3.72E-03	1.65E-03	6.17E-04	2.89E-04	4.56E-04	1.65E-04
1758	609834.2	4170655.78	3.70E-03	1.65E-03	6.15E-04	2.88E-04	4.54E-04	1.64E-04
1759	609834.34	4170646.34	3.68E-03	1.64E-03	6.11E-04	2.86E-04	4.51E-04	1.63E-04
1760	609834.48	4170636.9	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
1761	609834.62	4170627.46	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1762	609839.47	4170739.84	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1763	609835.87	4170748.23	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1764	609832.27	4170756.62	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.96E-04	1.43E-04

1765	609828.68	4170765.01	3.21E-03	1.43E-03	5.34E-04	2.50E-04	3.94E-04	1.43E-04
1766	609825.08	4170773.39	3.19E-03	1.42E-03	5.30E-04	2.48E-04	3.91E-04	1.42E-04
1767	609817.89	4170790.17	3.13E-03	1.39E-03	5.19E-04	2.43E-04	3.83E-04	1.39E-04
1768	609810.69	4170806.94	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.73E-04	1.35E-04
1769	609803.5	4170823.72	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.60E-04	1.30E-04
1770	609799.9	4170832.11	2.88E-03	1.28E-03	4.78E-04	2.23E-04	3.53E-04	1.28E-04
1771	609796.31	4170840.49	2.81E-03	1.25E-03	4.67E-04	2.19E-04	3.45E-04	1.25E-04
1772	609792.71	4170848.88	2.75E-03	1.22E-03	4.56E-04	2.14E-04	3.37E-04	1.22E-04
1773	609785.51	4170865.66	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
1774	609778.32	4170882.43	2.46E-03	1.10E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
1775	609762.67	4170902.64	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.87E-04	1.04E-04
1776	609754.22	4170906.07	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
1777	609745.76	4170909.5	2.37E-03	1.05E-03	3.94E-04	1.84E-04	2.90E-04	1.05E-04
1778	609737.3	4170912.94	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
1779	609728.85	4170916.37	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1780	609720.39	4170919.8	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1781	609711.93	4170923.23	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
1782	609703.48	4170926.66	2.37E-03	1.05E-03	3.94E-04	1.84E-04	2.90E-04	1.05E-04
1783	609695.02	4170930.1	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
1784	609686.56	4170933.53	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
1785	609678.11	4170936.96	2.31E-03	1.03E-03	3.84E-04	1.79E-04	2.83E-04	1.03E-04
1786	609669.65	4170940.39	2.28E-03	1.01E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
1787	609661.2	4170943.82	2.24E-03	9.99E-04	3.73E-04	1.74E-04	2.75E-04	9.96E-05
1788	609652.74	4170947.26	2.21E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
1789	609644.28	4170950.69	2.16E-03	9.62E-04	3.59E-04	1.68E-04	2.65E-04	9.59E-05
1790	609635.83	4170954.12	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.38E-05
1791	609627.37	4170957.55	2.06E-03	9.17E-04	3.42E-04	1.60E-04	2.53E-04	9.15E-05
1792	609618.91	4170960.98	2.01E-03	8.93E-04	3.33E-04	1.56E-04	2.46E-04	8.90E-05
1793	609843.06	4170731.46	3.24E-03	1.44E-03	5.38E-04	2.51E-04	3.97E-04	1.44E-04
1794	609843.2	4170722.02	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
1795	609843.35	4170712.58	3.36E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
1796	609843.49	4170703.14	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
1797	609843.63	4170693.7	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1798	609843.77	4170684.26	3.47E-03	1.54E-03	5.76E-04	2.69E-04	4.25E-04	1.54E-04
1799	609843.91	4170674.82	3.48E-03	1.55E-03	5.78E-04	2.70E-04	4.27E-04	1.54E-04
1800	609844.06	4170665.38	3.48E-03	1.55E-03	5.79E-04	2.71E-04	4.27E-04	1.55E-04
1801	609844.2	4170655.94	3.47E-03	1.55E-03	5.77E-04	2.70E-04	4.26E-04	1.54E-04
1802	609844.34	4170646.5	3.45E-03	1.54E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
1803	609844.48	4170637.06	3.41E-03	1.52E-03	5.66E-04	2.65E-04	4.18E-04	1.51E-04
1804	609844.62	4170627.62	3.36E-03	1.49E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
1805	609849.49	4170739.93	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.75E-04	1.36E-04
1806	609842.36	4170756.57	3.05E-03	1.36E-03	5.06E-04	2.37E-04	3.74E-04	1.35E-04
1807	609838.79	4170764.89	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
1808	609831.65	4170781.53	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
1809	609824.52	4170798.17	2.93E-03	1.30E-03	4.86E-04	2.27E-04	3.59E-04	1.30E-04
1810	609817.38	4170814.82	2.84E-03	1.27E-03	4.72E-04	2.21E-04	3.49E-04	1.26E-04
1811	609813.81	4170823.14	2.80E-03	1.24E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
1812	609806.68	4170839.78	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1813	609799.54	4170856.42	2.57E-03	1.15E-03	4.27E-04	2.00E-04	3.16E-04	1.14E-04
1814	609792.4	4170873.06	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
1815	609788.83	4170881.38	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1816	609781.7	4170898.03	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.98E-05

1817	609769.74	4170909.75	2.20E-03	9.79E-04	3.66E-04	1.71E-04	2.70E-04	9.77E-05
1818	609761.35	4170913.16	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
1819	609752.96	4170916.56	2.23E-03	9.93E-04	3.70E-04	1.73E-04	2.73E-04	9.90E-05
1820	609744.57	4170919.97	2.24E-03	9.97E-04	3.72E-04	1.74E-04	2.75E-04	9.94E-05
1821	609727.79	4170926.78	2.25E-03	9.99E-04	3.73E-04	1.74E-04	2.75E-04	9.96E-05
1822	609719.4	4170930.18	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
1823	609702.63	4170936.99	2.22E-03	9.89E-04	3.69E-04	1.73E-04	2.72E-04	9.86E-05
1824	609694.24	4170940.39	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
1825	609677.46	4170947.2	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
1826	609660.68	4170954.01	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
1827	609652.29	4170957.42	2.06E-03	9.15E-04	3.42E-04	1.60E-04	2.52E-04	9.13E-05
1828	609643.9	4170960.82	2.02E-03	8.97E-04	3.35E-04	1.57E-04	2.47E-04	8.94E-05
1829	609635.51	4170964.23	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
1830	609627.12	4170967.63	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
1831	609853.06	4170731.61	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
1832	609853.2	4170722.17	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
1833	609853.35	4170712.73	3.16E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
1834	609853.49	4170703.29	3.20E-03	1.42E-03	5.31E-04	2.49E-04	3.92E-04	1.42E-04
1835	609853.63	4170693.85	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.96E-04	1.43E-04
1836	609853.77	4170684.41	3.25E-03	1.45E-03	5.40E-04	2.53E-04	3.99E-04	1.44E-04
1837	609853.91	4170674.97	3.26E-03	1.45E-03	5.42E-04	2.53E-04	4.00E-04	1.45E-04
1838	609854.05	4170665.53	3.27E-03	1.45E-03	5.43E-04	2.54E-04	4.00E-04	1.45E-04
1839	609854.2	4170656.09	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
1840	609854.34	4170646.65	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1841	609854.48	4170637.21	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
1842	609854.62	4170627.77	3.16E-03	1.41E-03	5.26E-04	2.46E-04	3.88E-04	1.40E-04
1843	609859.35	4170740.41	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1844	609855.64	4170749.06	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1845	609851.93	4170757.72	2.88E-03	1.28E-03	4.78E-04	2.24E-04	3.53E-04	1.28E-04
1846	609848.22	4170766.37	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
1847	609844.51	4170775.02	2.85E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
1848	609840.8	4170783.68	2.83E-03	1.26E-03	4.69E-04	2.20E-04	3.46E-04	1.25E-04
1849	609837.08	4170792.33	2.80E-03	1.25E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
1850	609833.37	4170800.99	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
1851	609829.66	4170809.64	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
1852	609825.95	4170818.29	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1853	609822.24	4170826.95	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
1854	609818.53	4170835.6	2.59E-03	1.15E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
1855	609814.82	4170844.26	2.54E-03	1.13E-03	4.22E-04	1.98E-04	3.12E-04	1.13E-04
1856	609811.11	4170852.91	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
1857	609807.4	4170861.56	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
1858	609803.69	4170870.22	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
1859	609799.97	4170878.87	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
1860	609796.26	4170887.53	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
1861	609792.55	4170896.18	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.71E-05
1862	609788.84	4170904.83	2.12E-03	9.45E-04	3.53E-04	1.65E-04	2.60E-04	9.42E-05
1863	609776.41	4170917.03	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
1864	609767.68	4170920.57	2.09E-03	9.31E-04	3.48E-04	1.63E-04	2.57E-04	9.29E-05
1865	609758.96	4170924.11	2.10E-03	9.37E-04	3.50E-04	1.64E-04	2.58E-04	9.34E-05
1866	609750.23	4170927.65	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.38E-05
1867	609741.51	4170931.19	2.12E-03	9.42E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05
1868	609732.78	4170934.73	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05

1869	609724.06	4170938.27	2.11E-03	9.41E-04	3.51E-04	1.64E-04	2.59E-04	9.39E-05
1870	609715.33	4170941.81	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
1871	609706.61	4170945.36	2.09E-03	9.32E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
1872	609697.88	4170948.9	2.08E-03	9.25E-04	3.45E-04	1.62E-04	2.55E-04	9.23E-05
1873	609689.16	4170952.44	2.06E-03	9.16E-04	3.42E-04	1.60E-04	2.52E-04	9.13E-05
1874	609680.43	4170955.98	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
1875	609671.71	4170959.52	2.00E-03	8.92E-04	3.33E-04	1.56E-04	2.46E-04	8.89E-05
1876	609662.98	4170963.06	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.75E-05
1877	609654.26	4170966.6	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.58E-05
1878	609645.53	4170970.14	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
1879	609636.81	4170973.68	1.85E-03	8.22E-04	3.07E-04	1.44E-04	2.27E-04	8.20E-05
1880	609628.08	4170977.22	1.80E-03	8.01E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
1881	609619.36	4170980.77	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
1882	609863.06	4170731.76	2.88E-03	1.28E-03	4.78E-04	2.24E-04	3.53E-04	1.28E-04
1883	609863.2	4170722.32	2.93E-03	1.30E-03	4.87E-04	2.28E-04	3.59E-04	1.30E-04
1884	609863.34	4170712.88	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
1885	609863.49	4170703.44	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
1886	609863.63	4170694	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.73E-04	1.35E-04
1887	609863.77	4170684.56	3.06E-03	1.36E-03	5.08E-04	2.37E-04	3.75E-04	1.36E-04
1888	609863.91	4170675.12	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
1889	609864.05	4170665.68	3.07E-03	1.37E-03	5.10E-04	2.38E-04	3.76E-04	1.36E-04
1890	609864.2	4170656.24	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
1891	609864.34	4170646.8	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
1892	609864.48	4170637.36	3.02E-03	1.35E-03	5.02E-04	2.35E-04	3.71E-04	1.34E-04
1893	609864.62	4170627.92	2.99E-03	1.33E-03	4.96E-04	2.32E-04	3.66E-04	1.33E-04
1894	609869.38	4170740.48	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1895	609865.7	4170749.06	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1896	609862.02	4170757.64	2.72E-03	1.21E-03	4.52E-04	2.12E-04	3.34E-04	1.21E-04
1897	609858.35	4170766.22	2.71E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.20E-04
1898	609854.67	4170774.8	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
1899	609850.99	4170783.38	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
1900	609847.31	4170791.95	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1901	609843.63	4170800.53	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
1902	609839.95	4170809.11	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
1903	609836.27	4170817.69	2.56E-03	1.14E-03	4.26E-04	1.99E-04	3.14E-04	1.14E-04
1904	609832.6	4170826.27	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
1905	609828.92	4170834.84	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
1906	609825.24	4170843.42	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
1907	609821.56	4170852	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
1908	609817.88	4170860.58	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.87E-04	1.04E-04
1909	609814.2	4170869.16	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.01E-04
1910	609810.53	4170877.74	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
1911	609806.85	4170886.31	2.18E-03	9.69E-04	3.62E-04	1.69E-04	2.67E-04	9.66E-05
1912	609803.17	4170894.89	2.12E-03	9.44E-04	3.52E-04	1.65E-04	2.60E-04	9.41E-05
1913	609799.49	4170903.47	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
1914	609795.81	4170912.05	2.00E-03	8.92E-04	3.33E-04	1.56E-04	2.46E-04	8.90E-05
1915	609783.48	4170924.14	1.96E-03	8.74E-04	3.26E-04	1.53E-04	2.41E-04	8.71E-05
1916	609774.84	4170927.65	1.98E-03	8.80E-04	3.28E-04	1.54E-04	2.42E-04	8.78E-05
1917	609766.19	4170931.16	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.83E-05
1918	609757.54	4170934.67	2.00E-03	8.88E-04	3.32E-04	1.55E-04	2.45E-04	8.86E-05
1919	609748.89	4170938.18	2.00E-03	8.91E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
1920	609740.24	4170941.69	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.45E-04	8.89E-05

1921	609731.59	4170945.2	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
1922	609722.94	4170948.71	1.99E-03	8.87E-04	3.31E-04	1.55E-04	2.44E-04	8.85E-05
1923	609714.3	4170952.22	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
1924	609705.65	4170955.73	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.74E-05
1925	609697	4170959.24	1.95E-03	8.69E-04	3.24E-04	1.52E-04	2.39E-04	8.67E-05
1926	609688.35	4170962.75	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
1927	609679.7	4170966.26	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
1928	609671.05	4170969.77	1.88E-03	8.36E-04	3.12E-04	1.46E-04	2.30E-04	8.33E-05
1929	609662.4	4170973.28	1.85E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
1930	609653.76	4170976.79	1.81E-03	8.05E-04	3.01E-04	1.41E-04	2.22E-04	8.03E-05
1931	609645.11	4170980.3	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
1932	609636.46	4170983.81	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
1933	609627.81	4170987.32	1.69E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05
1934	609619.16	4170990.83	1.64E-03	7.29E-04	2.72E-04	1.27E-04	2.01E-04	7.27E-05
1935	609873.06	4170731.91	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.34E-04	1.21E-04
1936	609873.2	4170722.47	2.77E-03	1.23E-03	4.60E-04	2.15E-04	3.39E-04	1.23E-04
1937	609873.34	4170713.03	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
1938	609873.48	4170703.59	2.84E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
1939	609873.63	4170694.15	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
1940	609873.77	4170684.71	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1941	609873.91	4170675.27	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
1942	609874.05	4170665.83	2.90E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.29E-04
1943	609874.19	4170656.39	2.89E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
1944	609874.34	4170646.95	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
1945	609874.48	4170637.51	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
1946	609874.62	4170628.07	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
1947	609879.41	4170740.57	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1948	609875.76	4170749.07	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1949	609872.11	4170757.58	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1950	609868.46	4170766.09	2.57E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1951	609864.81	4170774.6	2.56E-03	1.14E-03	4.26E-04	1.99E-04	3.14E-04	1.14E-04
1952	609861.17	4170783.11	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
1953	609857.52	4170791.62	2.53E-03	1.12E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
1954	609853.87	4170800.13	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
1955	609850.22	4170808.64	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
1956	609846.57	4170817.15	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
1957	609842.92	4170825.66	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.96E-04	1.07E-04
1958	609839.27	4170834.17	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
1959	609835.62	4170842.68	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
1960	609831.97	4170851.18	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
1961	609828.33	4170859.69	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.98E-05
1962	609824.68	4170868.2	2.20E-03	9.80E-04	3.66E-04	1.71E-04	2.70E-04	9.77E-05
1963	609821.03	4170876.71	2.15E-03	9.58E-04	3.58E-04	1.67E-04	2.64E-04	9.56E-05
1964	609817.38	4170885.22	2.10E-03	9.36E-04	3.49E-04	1.63E-04	2.58E-04	9.34E-05
1965	609813.73	4170893.73	2.05E-03	9.14E-04	3.41E-04	1.60E-04	2.52E-04	9.11E-05
1966	609810.08	4170902.24	2.00E-03	8.91E-04	3.32E-04	1.56E-04	2.45E-04	8.88E-05
1967	609806.43	4170910.75	1.95E-03	8.68E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
1968	609802.78	4170919.26	1.90E-03	8.44E-04	3.15E-04	1.47E-04	2.33E-04	8.42E-05
1969	609790.56	4170931.25	1.86E-03	8.27E-04	3.09E-04	1.44E-04	2.28E-04	8.25E-05
1970	609781.98	4170934.73	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
1971	609773.4	4170938.21	1.88E-03	8.38E-04	3.13E-04	1.46E-04	2.31E-04	8.35E-05
1972	609764.82	4170941.69	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05

1973	609756.24	4170945.18	1.89E-03	8.43E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1974	609747.66	4170948.66	1.90E-03	8.44E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1975	609739.08	4170952.14	1.89E-03	8.43E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1976	609730.5	4170955.62	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
1977	609721.92	4170959.1	1.88E-03	8.37E-04	3.12E-04	1.46E-04	2.31E-04	8.35E-05
1978	609713.35	4170962.58	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
1979	609704.77	4170966.07	1.85E-03	8.26E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
1980	609696.19	4170969.55	1.84E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
1981	609687.61	4170973.03	1.82E-03	8.08E-04	3.01E-04	1.41E-04	2.23E-04	8.06E-05
1982	609679.03	4170976.51	1.79E-03	7.97E-04	2.97E-04	1.39E-04	2.19E-04	7.95E-05
1983	609670.45	4170979.99	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
1984	609661.87	4170983.47	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.68E-05
1985	609653.29	4170986.96	1.70E-03	7.55E-04	2.82E-04	1.32E-04	2.08E-04	7.53E-05
1986	609644.71	4170990.44	1.66E-03	7.39E-04	2.76E-04	1.29E-04	2.04E-04	7.37E-05
1987	609636.14	4170993.92	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
1988	609627.56	4170997.4	1.58E-03	7.03E-04	2.62E-04	1.23E-04	1.94E-04	7.01E-05
1989	609618.98	4171000.88	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
1990	609883.06	4170732.06	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1991	609883.2	4170722.62	2.62E-03	1.17E-03	4.35E-04	2.04E-04	3.21E-04	1.16E-04
1992	609883.34	4170713.18	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1993	609883.48	4170703.74	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1994	609883.63	4170694.3	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
1995	609883.77	4170684.86	2.72E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1996	609883.91	4170675.42	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
1997	609884.05	4170665.98	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
1998	609884.19	4170656.54	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
1999	609884.33	4170647.1	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
2000	609884.48	4170637.66	2.71E-03	1.20E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
2001	609884.62	4170628.22	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
2002	609889.44	4170740.65	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
2003	609885.81	4170749.1	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
2004	609882.19	4170757.54	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
2005	609878.57	4170765.99	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2006	609874.95	4170774.44	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
2007	609871.33	4170782.88	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.97E-04	1.07E-04
2008	609867.71	4170791.33	2.40E-03	1.07E-03	3.99E-04	1.87E-04	2.95E-04	1.07E-04
2009	609864.08	4170799.77	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
2010	609860.46	4170808.22	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2011	609856.84	4170816.66	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.04E-04
2012	609853.22	4170825.11	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
2013	609849.6	4170833.56	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
2014	609845.97	4170842	2.24E-03	9.95E-04	3.71E-04	1.74E-04	2.74E-04	9.93E-05
2015	609842.35	4170850.45	2.20E-03	9.79E-04	3.65E-04	1.71E-04	2.70E-04	9.76E-05
2016	609838.73	4170858.89	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.59E-05
2017	609835.11	4170867.34	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.41E-05
2018	609831.49	4170875.79	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2019	609827.87	4170884.23	2.03E-03	9.04E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
2020	609824.24	4170892.68	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
2021	609820.62	4170901.12	1.94E-03	8.64E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2022	609817	4170909.57	1.89E-03	8.43E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
2023	609813.38	4170918.01	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
2024	609809.76	4170926.46	1.80E-03	8.00E-04	2.98E-04	1.40E-04	2.20E-04	7.98E-05

2025	609797.62	4170938.36	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
2026	609789.11	4170941.82	1.77E-03	7.90E-04	2.95E-04	1.38E-04	2.18E-04	7.87E-05
2027	609780.59	4170945.27	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
2028	609772.08	4170948.73	1.79E-03	7.97E-04	2.98E-04	1.39E-04	2.20E-04	7.95E-05
2029	609763.56	4170952.19	1.80E-03	7.99E-04	2.98E-04	1.40E-04	2.20E-04	7.97E-05
2030	609755.05	4170955.64	1.80E-03	8.00E-04	2.99E-04	1.40E-04	2.20E-04	7.98E-05
2031	609746.53	4170959.1	1.80E-03	7.99E-04	2.98E-04	1.40E-04	2.20E-04	7.97E-05
2032	609738.02	4170962.55	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
2033	609729.5	4170966.01	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
2034	609720.99	4170969.47	1.78E-03	7.91E-04	2.95E-04	1.38E-04	2.18E-04	7.88E-05
2035	609712.47	4170972.92	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
2036	609703.95	4170976.38	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2037	609695.44	4170979.83	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.68E-05
2038	609686.92	4170983.29	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
2039	609678.41	4170986.74	1.68E-03	7.49E-04	2.80E-04	1.31E-04	2.06E-04	7.47E-05
2040	609669.89	4170990.2	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2041	609661.38	4170993.66	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
2042	609652.86	4170997.11	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
2043	609644.35	4171000.57	1.56E-03	6.94E-04	2.59E-04	1.21E-04	1.91E-04	6.92E-05
2044	609635.83	4171004.02	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.87E-04	6.76E-05
2045	609627.32	4171007.48	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
2046	609618.8	4171010.94	1.44E-03	6.42E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
2047	609893.06	4170732.21	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2048	609893.2	4170722.77	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
2049	609893.34	4170713.33	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
2050	609893.48	4170703.89	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2051	609893.62	4170694.45	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
2052	609893.77	4170685.01	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2053	609893.91	4170675.57	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.17E-04	1.15E-04
2054	609894.05	4170666.13	2.59E-03	1.15E-03	4.31E-04	2.01E-04	3.18E-04	1.15E-04
2055	609894.19	4170656.69	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
2056	609894.33	4170647.25	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
2057	609894.48	4170637.81	2.57E-03	1.14E-03	4.26E-04	1.99E-04	3.15E-04	1.14E-04
2058	609894.62	4170628.37	2.54E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2059	609899.46	4170740.74	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2060	609895.86	4170749.13	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2061	609892.27	4170757.52	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2062	609888.67	4170765.91	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
2063	609885.07	4170774.29	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2064	609881.48	4170782.68	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2065	609877.88	4170791.07	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
2066	609874.28	4170799.46	2.27E-03	1.01E-03	3.77E-04	1.77E-04	2.79E-04	1.01E-04
2067	609870.69	4170807.84	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
2068	609867.09	4170816.23	2.23E-03	9.92E-04	3.70E-04	1.73E-04	2.73E-04	9.89E-05
2069	609859.9	4170833.01	2.17E-03	9.67E-04	3.61E-04	1.69E-04	2.66E-04	9.65E-05
2070	609856.3	4170841.4	2.14E-03	9.54E-04	3.56E-04	1.67E-04	2.63E-04	9.51E-05
2071	609852.7	4170849.78	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.37E-05
2072	609849.1	4170858.17	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2073	609845.51	4170866.56	2.04E-03	9.08E-04	3.39E-04	1.58E-04	2.50E-04	9.05E-05
2074	609841.91	4170874.95	2.00E-03	8.91E-04	3.32E-04	1.56E-04	2.45E-04	8.88E-05
2075	609838.31	4170883.33	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.41E-04	8.71E-05
2076	609834.72	4170891.72	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05

2077	609827.52	4170908.5	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
2078	609823.93	4170916.88	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
2079	609820.33	4170925.27	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
2080	609816.73	4170933.66	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2081	609804.68	4170945.48	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
2082	609796.22	4170948.91	1.68E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05
2083	609787.77	4170952.34	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05
2084	609779.31	4170955.77	1.70E-03	7.57E-04	2.82E-04	1.32E-04	2.08E-04	7.55E-05
2085	609770.86	4170959.21	1.70E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2086	609762.4	4170962.64	1.71E-03	7.60E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
2087	609753.94	4170966.07	1.71E-03	7.59E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
2088	609745.49	4170969.5	1.70E-03	7.58E-04	2.83E-04	1.32E-04	2.09E-04	7.56E-05
2089	609737.03	4170972.93	1.70E-03	7.56E-04	2.82E-04	1.32E-04	2.08E-04	7.54E-05
2090	609728.57	4170976.37	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
2091	609720.12	4170979.8	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
2092	609711.66	4170983.23	1.67E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
2093	609703.2	4170986.66	1.65E-03	7.34E-04	2.74E-04	1.28E-04	2.02E-04	7.32E-05
2094	609694.75	4170990.09	1.63E-03	7.26E-04	2.71E-04	1.27E-04	2.00E-04	7.24E-05
2095	609686.29	4170993.53	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
2096	609677.84	4170996.96	1.59E-03	7.05E-04	2.63E-04	1.23E-04	1.94E-04	7.04E-05
2097	609669.38	4171000.39	1.56E-03	6.94E-04	2.59E-04	1.21E-04	1.91E-04	6.92E-05
2098	609660.92	4171003.82	1.53E-03	6.81E-04	2.54E-04	1.19E-04	1.88E-04	6.79E-05
2099	609652.47	4171007.25	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
2100	609644.01	4171010.69	1.47E-03	6.53E-04	2.44E-04	1.14E-04	1.80E-04	6.51E-05
2101	609635.55	4171014.12	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.76E-04	6.35E-05
2102	609627.1	4171017.55	1.40E-03	6.21E-04	2.32E-04	1.08E-04	1.71E-04	6.19E-05
2103	609903.06	4170732.36	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2104	609903.2	4170722.92	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
2105	609903.34	4170713.48	2.39E-03	1.06E-03	3.96E-04	1.85E-04	2.93E-04	1.06E-04
2106	609903.48	4170704.04	2.41E-03	1.07E-03	4.01E-04	1.87E-04	2.96E-04	1.07E-04
2107	609903.62	4170694.6	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
2108	609903.77	4170685.16	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2109	609903.91	4170675.72	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
2110	609904.05	4170666.28	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2111	609904.19	4170656.84	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2112	609904.33	4170647.4	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.01E-04	1.09E-04
2113	609904.47	4170637.96	2.44E-03	1.09E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2114	609904.62	4170628.52	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.96E-04	1.07E-04
2115	609909.34	4170741.17	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.81E-05
2116	609905.62	4170749.84	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
2117	609901.91	4170758.51	2.22E-03	9.86E-04	3.68E-04	1.72E-04	2.72E-04	9.83E-05
2118	609898.19	4170767.18	2.21E-03	9.84E-04	3.67E-04	1.72E-04	2.71E-04	9.82E-05
2119	609894.47	4170775.84	2.20E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.78E-05
2120	609890.76	4170784.51	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.74E-05
2121	609887.04	4170793.18	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.68E-05
2122	609883.32	4170801.84	2.16E-03	9.63E-04	3.59E-04	1.68E-04	2.65E-04	9.60E-05
2123	609879.61	4170810.51	2.14E-03	9.54E-04	3.56E-04	1.67E-04	2.63E-04	9.51E-05
2124	609875.89	4170819.18	2.12E-03	9.44E-04	3.52E-04	1.65E-04	2.60E-04	9.42E-05
2125	609872.17	4170827.85	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.31E-05
2126	609868.46	4170836.51	2.07E-03	9.21E-04	3.44E-04	1.61E-04	2.54E-04	9.18E-05
2127	609864.74	4170845.18	2.04E-03	9.08E-04	3.39E-04	1.59E-04	2.50E-04	9.06E-05
2128	609861.02	4170853.85	2.01E-03	8.95E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05

2129	609857.31	4170862.51	1.98E-03	8.80E-04	3.28E-04	1.54E-04	2.42E-04	8.77E-05
2130	609853.59	4170871.18	1.94E-03	8.64E-04	3.23E-04	1.51E-04	2.38E-04	8.62E-05
2131	609849.87	4170879.85	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
2132	609846.16	4170888.52	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
2133	609842.44	4170897.18	1.83E-03	8.14E-04	3.04E-04	1.42E-04	2.24E-04	8.12E-05
2134	609838.72	4170905.85	1.79E-03	7.96E-04	2.97E-04	1.39E-04	2.19E-04	7.94E-05
2135	609835.01	4170914.52	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2136	609831.29	4170923.18	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
2137	609827.57	4170931.85	1.66E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
2138	609823.86	4170940.52	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
2139	609811.4	4170952.73	1.59E-03	7.08E-04	2.64E-04	1.24E-04	1.95E-04	7.07E-05
2140	609802.66	4170956.28	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
2141	609793.92	4170959.83	1.61E-03	7.17E-04	2.68E-04	1.25E-04	1.97E-04	7.15E-05
2142	609785.19	4170963.37	1.62E-03	7.20E-04	2.69E-04	1.26E-04	1.98E-04	7.18E-05
2143	609776.45	4170966.92	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
2144	609767.71	4170970.46	1.62E-03	7.22E-04	2.70E-04	1.26E-04	1.99E-04	7.20E-05
2145	609758.97	4170974.01	1.62E-03	7.22E-04	2.70E-04	1.26E-04	1.99E-04	7.20E-05
2146	609750.23	4170977.56	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
2147	609741.49	4170981.1	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
2148	609732.76	4170984.65	1.61E-03	7.15E-04	2.67E-04	1.25E-04	1.97E-04	7.13E-05
2149	609724.02	4170988.2	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2150	609715.28	4170991.74	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
2151	609706.54	4170995.29	1.57E-03	6.97E-04	2.60E-04	1.22E-04	1.92E-04	6.95E-05
2152	609697.8	4170998.84	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
2153	609689.07	4171002.38	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
2154	609680.33	4171005.93	1.50E-03	6.69E-04	2.50E-04	1.17E-04	1.84E-04	6.67E-05
2155	609671.59	4171009.48	1.48E-03	6.58E-04	2.45E-04	1.15E-04	1.81E-04	6.56E-05
2156	609662.85	4171013.02	1.45E-03	6.45E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
2157	609654.11	4171016.57	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
2158	609645.37	4171020.11	1.39E-03	6.18E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
2159	609913.06	4170732.51	2.20E-03	9.79E-04	3.65E-04	1.71E-04	2.70E-04	9.76E-05
2160	609913.2	4170723.07	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
2161	609913.34	4170713.63	2.26E-03	1.01E-03	3.76E-04	1.76E-04	2.77E-04	1.00E-04
2162	609913.48	4170704.19	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.01E-04
2163	609913.62	4170694.75	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2164	609913.76	4170685.31	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2165	609913.91	4170675.87	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2166	609914.05	4170666.43	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
2167	609914.19	4170656.99	2.34E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
2168	609914.33	4170647.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2169	609914.47	4170638.11	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2170	609914.62	4170628.67	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
2171	609691.06	4170600.31	8.81E-03	3.92E-03	1.46E-03	6.84E-04	1.08E-03	3.91E-04
2172	609700.62	4170597.39	7.92E-03	3.52E-03	1.32E-03	6.15E-04	9.71E-04	3.52E-04
2173	609710.18	4170594.47	7.17E-03	3.19E-03	1.19E-03	5.57E-04	8.79E-04	3.18E-04
2174	609719.74	4170591.55	6.52E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
2175	609729.3	4170588.62	5.95E-03	2.65E-03	9.89E-04	4.63E-04	7.30E-04	2.64E-04
2176	609730.94	4170600.11	6.45E-03	2.87E-03	1.07E-03	5.01E-04	7.91E-04	2.86E-04
2177	609738.86	4170585.69	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.68E-04	2.42E-04
2178	609740.51	4170597.24	5.89E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
2179	609748.42	4170582.76	5.02E-03	2.23E-03	8.34E-04	3.90E-04	6.16E-04	2.23E-04
2180	609750.08	4170594.36	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04

2181	609757.98	4170579.83	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2182	609759.64	4170591.48	4.99E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
2183	609767.54	4170576.9	4.31E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.91E-04
2184	609769.21	4170588.58	4.61E-03	2.05E-03	7.66E-04	3.58E-04	5.66E-04	2.05E-04
2185	609770.88	4170600.27	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
2186	609777.1	4170573.96	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
2187	609778.77	4170585.69	4.28E-03	1.91E-03	7.12E-04	3.33E-04	5.25E-04	1.90E-04
2188	609780.44	4170597.41	4.52E-03	2.01E-03	7.51E-04	3.51E-04	5.54E-04	2.01E-04
2189	609786.65	4170571.03	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
2190	609788.33	4170582.78	3.99E-03	1.78E-03	6.63E-04	3.10E-04	4.89E-04	1.77E-04
2191	609790.01	4170594.54	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2192	609796.21	4170568.09	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.30E-04	1.56E-04
2193	609797.47	4170576.93	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
2194	609799.16	4170588.72	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.75E-04	1.72E-04
2195	609800.84	4170600.5	4.04E-03	1.80E-03	6.72E-04	3.14E-04	4.96E-04	1.80E-04
2196	609805.77	4170565.16	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
2197	609807.46	4170576.97	3.49E-03	1.55E-03	5.79E-04	2.71E-04	4.28E-04	1.55E-04
2198	609809.14	4170588.78	3.66E-03	1.63E-03	6.08E-04	2.85E-04	4.49E-04	1.63E-04
2199	609810.41	4170597.64	3.78E-03	1.68E-03	6.27E-04	2.93E-04	4.63E-04	1.68E-04
2200	609815.33	4170562.22	3.09E-03	1.38E-03	5.14E-04	2.40E-04	3.79E-04	1.37E-04
2201	609817.02	4170574.05	3.27E-03	1.46E-03	5.44E-04	2.54E-04	4.01E-04	1.45E-04
2202	609818.29	4170582.93	3.39E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
2203	609819.98	4170594.77	3.54E-03	1.57E-03	5.87E-04	2.75E-04	4.33E-04	1.57E-04
2204	609824.89	4170559.28	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2205	609826.16	4170568.17	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.72E-04	1.35E-04
2206	609827.85	4170580.03	3.19E-03	1.42E-03	5.29E-04	2.48E-04	3.91E-04	1.41E-04
2207	609829.12	4170588.93	3.29E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
2208	609830.81	4170600.78	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
2209	609834.44	4170556.34	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
2210	609835.72	4170565.25	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
2211	609836.99	4170574.16	2.97E-03	1.32E-03	4.93E-04	2.31E-04	3.64E-04	1.32E-04
2212	609838.69	4170586.04	3.09E-03	1.38E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
2213	609839.96	4170594.95	3.17E-03	1.41E-03	5.27E-04	2.46E-04	3.89E-04	1.41E-04
2214	609844	4170553.4	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
2215	609845.7	4170565.3	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
2216	609846.98	4170574.23	2.83E-03	1.26E-03	4.69E-04	2.20E-04	3.47E-04	1.25E-04
2217	609848.25	4170583.15	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2218	609849.95	4170595.05	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.33E-04
2219	609853.56	4170550.47	2.45E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2220	609854.84	4170559.4	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2221	609856.54	4170571.32	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
2222	609857.81	4170580.25	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
2223	609859.09	4170589.19	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
2224	609860.37	4170598.13	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.28E-04
2225	609863.12	4170547.53	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
2226	609864.4	4170556.48	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.96E-04	1.07E-04
2227	609865.67	4170565.42	2.49E-03	1.11E-03	4.14E-04	1.94E-04	3.06E-04	1.11E-04
2228	609867.38	4170577.36	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
2229	609868.66	4170586.3	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2230	609869.93	4170595.25	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
2231	609872.67	4170544.59	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2232	609873.95	4170553.55	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.02E-04

2233	609875.23	4170562.51	2.36E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
2234	609876.51	4170571.47	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2235	609877.79	4170580.43	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
2236	609879.07	4170589.39	2.55E-03	1.14E-03	4.24E-04	1.99E-04	3.13E-04	1.13E-04
2237	609880.78	4170601.34	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
2238	609882.23	4170541.65	2.10E-03	9.35E-04	3.49E-04	1.63E-04	2.58E-04	9.32E-05
2239	609883.94	4170553.61	2.20E-03	9.78E-04	3.65E-04	1.71E-04	2.69E-04	9.75E-05
2240	609885.22	4170562.58	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
2241	609886.5	4170571.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2242	609887.78	4170580.52	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
2243	609889.07	4170589.49	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2244	609890.35	4170598.46	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
2245	609891.78	4170538.61	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
2246	609893.43	4170550.21	2.09E-03	9.29E-04	3.47E-04	1.62E-04	2.56E-04	9.27E-05
2247	609895.09	4170561.82	2.17E-03	9.65E-04	3.60E-04	1.69E-04	2.66E-04	9.63E-05
2248	609896.75	4170573.42	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
2249	609898.4	4170585.02	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.82E-04	1.02E-04
2250	609900.06	4170596.62	2.35E-03	1.05E-03	3.90E-04	1.83E-04	2.88E-04	1.04E-04
2251	609901.33	4170535.68	1.91E-03	8.49E-04	3.17E-04	1.48E-04	2.34E-04	8.47E-05
2252	609902.99	4170547.3	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
2253	609904.65	4170558.92	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2254	609906.31	4170570.55	2.13E-03	9.48E-04	3.54E-04	1.66E-04	2.61E-04	9.46E-05
2255	609907.97	4170582.17	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.70E-05
2256	609909.63	4170593.8	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
2257	609647.81	4170597.78	1.23E-02	5.48E-03	2.04E-03	9.56E-04	1.51E-03	5.46E-04
2258	609656.53	4170592.9	1.06E-02	4.70E-03	1.75E-03	8.21E-04	1.30E-03	4.69E-04
2259	609665.24	4170588	9.19E-03	4.09E-03	1.53E-03	7.14E-04	1.13E-03	4.08E-04
2260	609673.94	4170583.09	8.08E-03	3.60E-03	1.34E-03	6.28E-04	9.91E-04	3.59E-04
2261	609678.13	4170592.75	8.93E-03	3.97E-03	1.48E-03	6.94E-04	1.10E-03	3.96E-04
2262	609682.65	4170578.17	7.17E-03	3.19E-03	1.19E-03	5.57E-04	8.79E-04	3.18E-04
2263	609686.92	4170588.05	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.69E-04	3.51E-04
2264	609691.29	4170573.11	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.84E-04	2.84E-04
2265	609695.31	4170582.4	6.99E-03	3.11E-03	1.16E-03	5.43E-04	8.57E-04	3.10E-04
2266	609699.99	4170568.19	5.75E-03	2.56E-03	9.55E-04	4.47E-04	7.05E-04	2.55E-04
2267	609704.1	4170577.68	6.28E-03	2.80E-03	1.04E-03	4.88E-04	7.70E-04	2.79E-04
2268	609708.69	4170563.27	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
2269	609712.87	4170572.92	5.66E-03	2.52E-03	9.41E-04	4.40E-04	6.94E-04	2.51E-04
2270	609717.05	4170582.58	6.11E-03	2.72E-03	1.01E-03	4.75E-04	7.49E-04	2.71E-04
2271	609717.38	4170558.33	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.08E-04
2272	609721.63	4170568.14	5.13E-03	2.28E-03	8.52E-04	3.98E-04	6.29E-04	2.28E-04
2273	609725.88	4170577.95	5.52E-03	2.46E-03	9.18E-04	4.29E-04	6.77E-04	2.45E-04
2274	609726.04	4170553.31	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
2275	609730.11	4170562.7	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2276	609734.17	4170572.09	4.98E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
2277	609734.74	4170548.38	3.93E-03	1.75E-03	6.54E-04	3.06E-04	4.82E-04	1.75E-04
2278	609738.86	4170557.91	4.25E-03	1.89E-03	7.07E-04	3.31E-04	5.22E-04	1.89E-04
2279	609742.99	4170567.44	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
2280	609743.43	4170543.44	3.62E-03	1.61E-03	6.02E-04	2.82E-04	4.44E-04	1.61E-04
2281	609747.61	4170553.1	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
2282	609751.79	4170562.76	4.19E-03	1.86E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
2283	609752.12	4170538.51	3.35E-03	1.49E-03	5.57E-04	2.60E-04	4.11E-04	1.49E-04
2284	609756.36	4170548.28	3.61E-03	1.61E-03	6.00E-04	2.81E-04	4.43E-04	1.60E-04

2285	609760.59	4170558.05	3.86E-03	1.72E-03	6.42E-04	3.00E-04	4.74E-04	1.72E-04
2286	609764.82	4170567.83	4.10E-03	1.82E-03	6.80E-04	3.18E-04	5.02E-04	1.82E-04
2287	609760.82	4170533.57	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
2288	609765.1	4170543.45	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
2289	609769.37	4170553.33	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
2290	609773.65	4170563.2	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
2291	609769.48	4170528.56	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
2292	609773.62	4170538.12	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.37E-04
2293	609777.76	4170547.68	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
2294	609781.9	4170557.23	3.49E-03	1.55E-03	5.79E-04	2.71E-04	4.28E-04	1.55E-04
2295	609778.17	4170523.62	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
2296	609782.36	4170533.28	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
2297	609786.54	4170542.94	3.07E-03	1.37E-03	5.10E-04	2.39E-04	3.77E-04	1.36E-04
2298	609790.72	4170552.6	3.25E-03	1.44E-03	5.39E-04	2.52E-04	3.98E-04	1.44E-04
2299	609786.87	4170518.68	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.08E-04	1.12E-04
2300	609791.09	4170528.43	2.69E-03	1.20E-03	4.48E-04	2.09E-04	3.30E-04	1.20E-04
2301	609795.31	4170538.18	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
2302	609799.53	4170547.94	3.03E-03	1.35E-03	5.03E-04	2.35E-04	3.71E-04	1.34E-04
2303	609795.56	4170513.74	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2304	609799.82	4170523.58	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
2305	609804.08	4170533.42	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
2306	609808.34	4170543.25	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
2307	609812.6	4170553.09	2.97E-03	1.32E-03	4.93E-04	2.30E-04	3.64E-04	1.32E-04
2308	609804.23	4170508.74	2.21E-03	9.84E-04	3.67E-04	1.72E-04	2.71E-04	9.82E-05
2309	609808.37	4170518.32	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2310	609812.52	4170527.89	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
2311	609816.66	4170537.47	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
2312	609820.81	4170547.04	2.76E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.23E-04
2313	609812.92	4170503.8	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2314	609817.1	4170513.46	2.21E-03	9.85E-04	3.68E-04	1.72E-04	2.71E-04	9.83E-05
2315	609821.28	4170523.12	2.35E-03	1.05E-03	3.90E-04	1.82E-04	2.88E-04	1.04E-04
2316	609825.46	4170532.78	2.48E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
2317	609829.64	4170542.43	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
2318	609821.61	4170498.86	1.95E-03	8.69E-04	3.24E-04	1.52E-04	2.39E-04	8.67E-05
2319	609825.82	4170508.59	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
2320	609830.04	4170518.33	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2321	609834.26	4170528.07	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2322	609838.47	4170537.8	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.99E-04	1.08E-04
2323	609830.3	4170493.91	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.16E-05
2324	609834.55	4170503.72	1.96E-03	8.72E-04	3.25E-04	1.52E-04	2.40E-04	8.70E-05
2325	609838.79	4170513.53	2.08E-03	9.25E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2326	609843.04	4170523.34	2.19E-03	9.74E-04	3.64E-04	1.70E-04	2.68E-04	9.72E-05
2327	609847.29	4170533.15	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
2328	609838.99	4170488.97	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
2329	609843.27	4170498.85	1.85E-03	8.23E-04	3.07E-04	1.44E-04	2.27E-04	8.21E-05
2330	609847.54	4170508.73	1.96E-03	8.72E-04	3.25E-04	1.52E-04	2.40E-04	8.70E-05
2331	609851.82	4170518.61	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2332	609856.1	4170528.48	2.16E-03	9.60E-04	3.58E-04	1.68E-04	2.65E-04	9.58E-05
2333	609860.38	4170538.36	2.24E-03	9.98E-04	3.73E-04	1.74E-04	2.75E-04	9.95E-05
2334	609847.66	4170483.98	1.65E-03	7.32E-04	2.73E-04	1.28E-04	2.02E-04	7.30E-05
2335	609851.84	4170493.64	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
2336	609856.02	4170503.3	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05

2337	609860.21	4170512.95	1.94E-03	8.63E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2338	609864.39	4170522.61	2.03E-03	9.02E-04	3.37E-04	1.57E-04	2.48E-04	9.00E-05
2339	609868.57	4170532.27	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
2340	609856.35	4170479.03	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
2341	609860.56	4170488.76	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2342	609864.77	4170498.49	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2343	609868.98	4170508.21	1.84E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
2344	609873.2	4170517.94	1.92E-03	8.54E-04	3.19E-04	1.49E-04	2.35E-04	8.52E-05
2345	609877.41	4170527.66	2.00E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.86E-05
2346	609865.04	4170474.09	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.59E-05
2347	609869.28	4170483.88	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
2348	609873.52	4170493.67	1.66E-03	7.38E-04	2.76E-04	1.29E-04	2.03E-04	7.36E-05
2349	609877.76	4170503.46	1.74E-03	7.75E-04	2.89E-04	1.35E-04	2.14E-04	7.73E-05
2350	609882	4170513.25	1.82E-03	8.10E-04	3.02E-04	1.41E-04	2.23E-04	8.08E-05
2351	609886.23	4170523.04	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
2352	609873.73	4170469.14	1.41E-03	6.28E-04	2.34E-04	1.10E-04	1.73E-04	6.27E-05
2353	609878	4170478.99	1.49E-03	6.65E-04	2.48E-04	1.16E-04	1.83E-04	6.63E-05
2354	609882.26	4170488.84	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
2355	609886.53	4170498.69	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
2356	609890.79	4170508.54	1.73E-03	7.69E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
2357	609895.05	4170518.39	1.80E-03	8.00E-04	2.98E-04	1.40E-04	2.20E-04	7.98E-05
2358	609622.83	4170596.92	1.49E-02	6.64E-03	2.48E-03	1.16E-03	1.83E-03	6.62E-04
2359	609634.17	4170595	1.31E-02	5.82E-03	2.17E-03	1.02E-03	1.60E-03	5.80E-04
2360	609641.46	4170588.12	1.08E-02	4.82E-03	1.80E-03	8.42E-04	1.33E-03	4.81E-04
2361	609649.18	4170581.84	9.22E-03	4.10E-03	1.53E-03	7.16E-04	1.13E-03	4.09E-04
2362	609656.44	4170574.93	7.89E-03	3.51E-03	1.31E-03	6.13E-04	9.67E-04	3.50E-04
2363	609663.75	4170568.08	6.83E-03	3.04E-03	1.13E-03	5.31E-04	8.37E-04	3.03E-04
2364	609671.36	4170561.64	6.00E-03	2.67E-03	9.97E-04	4.66E-04	7.36E-04	2.66E-04
2365	609677.17	4170569.63	6.57E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.92E-04
2366	609678.67	4170554.78	5.29E-03	2.35E-03	8.79E-04	4.11E-04	6.49E-04	2.35E-04
2367	609684.2	4170562.4	5.76E-03	2.56E-03	9.56E-04	4.47E-04	7.06E-04	2.55E-04
2368	609685.99	4170547.96	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.09E-04
2369	609693.09	4170557.73	5.21E-03	2.32E-03	8.65E-04	4.05E-04	6.39E-04	2.31E-04
2370	609693.55	4170541.45	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2371	609699.36	4170549.44	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
2372	609700.87	4170534.62	3.76E-03	1.67E-03	6.24E-04	2.92E-04	4.61E-04	1.67E-04
2373	609706.47	4170542.31	4.06E-03	1.81E-03	6.75E-04	3.16E-04	4.98E-04	1.80E-04
2374	609712.06	4170550.01	4.36E-03	1.94E-03	7.24E-04	3.39E-04	5.35E-04	1.94E-04
2375	609708.21	4170527.81	3.38E-03	1.50E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
2376	609713.63	4170535.27	3.64E-03	1.62E-03	6.05E-04	2.83E-04	4.46E-04	1.62E-04
2377	609719.05	4170542.73	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.79E-04	1.74E-04
2378	609715.74	4170521.26	3.07E-03	1.37E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
2379	609721.54	4170529.25	3.33E-03	1.48E-03	5.52E-04	2.58E-04	4.08E-04	1.48E-04
2380	609727.35	4170537.24	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
2381	609723.07	4170514.44	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.43E-04	1.24E-04
2382	609728.7	4170522.19	3.02E-03	1.34E-03	5.01E-04	2.35E-04	3.70E-04	1.34E-04
2383	609734.34	4170529.94	3.24E-03	1.44E-03	5.39E-04	2.52E-04	3.97E-04	1.44E-04
2384	609730.42	4170507.64	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
2385	609735.9	4170515.19	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
2386	609741.39	4170522.74	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.61E-04	1.31E-04
2387	609746.87	4170530.29	3.14E-03	1.40E-03	5.22E-04	2.44E-04	3.85E-04	1.39E-04
2388	609737.92	4170501.06	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.88E-04	1.04E-04

2389	609743.73	4170509.05	2.54E-03	1.13E-03	4.22E-04	1.97E-04	3.11E-04	1.13E-04
2390	609749.54	4170517.04	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
2391	609755.34	4170525.04	2.91E-03	1.30E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
2392	609745.27	4170494.26	2.16E-03	9.64E-04	3.60E-04	1.68E-04	2.65E-04	9.61E-05
2393	609750.93	4170502.05	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2394	609756.58	4170509.83	2.50E-03	1.11E-03	4.14E-04	1.94E-04	3.06E-04	1.11E-04
2395	609762.24	4170517.62	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2396	609752.62	4170487.47	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
2397	609758.15	4170495.08	2.15E-03	9.55E-04	3.56E-04	1.67E-04	2.63E-04	9.52E-05
2398	609763.68	4170502.69	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
2399	609769.21	4170510.3	2.44E-03	1.09E-03	4.05E-04	1.90E-04	2.99E-04	1.08E-04
2400	609760.11	4170480.87	1.86E-03	8.26E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
2401	609765.91	4170488.86	1.99E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.85E-05
2402	609771.72	4170496.85	2.14E-03	9.50E-04	3.55E-04	1.66E-04	2.62E-04	9.48E-05
2403	609777.53	4170504.84	2.28E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
2404	609767.46	4170474.08	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
2405	609773.14	4170481.89	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.20E-05
2406	609778.82	4170489.7	1.97E-03	8.78E-04	3.28E-04	1.53E-04	2.42E-04	8.75E-05
2407	609784.49	4170497.52	2.10E-03	9.34E-04	3.49E-04	1.63E-04	2.57E-04	9.32E-05
2408	609790.17	4170505.33	2.22E-03	9.90E-04	3.69E-04	1.73E-04	2.73E-04	9.87E-05
2409	609774.82	4170467.29	1.60E-03	7.13E-04	2.66E-04	1.25E-04	1.96E-04	7.11E-05
2410	609780.38	4170474.95	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
2411	609785.95	4170482.61	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
2412	609791.51	4170490.27	1.94E-03	8.63E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2413	609797.08	4170497.93	2.05E-03	9.14E-04	3.41E-04	1.60E-04	2.52E-04	9.12E-05
2414	609782.29	4170460.67	1.49E-03	6.64E-04	2.48E-04	1.16E-04	1.83E-04	6.62E-05
2415	609788.1	4170468.67	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2416	609793.91	4170476.66	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2417	609799.72	4170484.65	1.82E-03	8.08E-04	3.02E-04	1.41E-04	2.23E-04	8.06E-05
2418	609805.52	4170492.64	1.93E-03	8.58E-04	3.20E-04	1.50E-04	2.36E-04	8.56E-05
2419	609789.65	4170453.89	1.39E-03	6.19E-04	2.31E-04	1.08E-04	1.71E-04	6.18E-05
2420	609795.34	4170461.73	1.48E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.59E-05
2421	609801.04	4170469.56	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
2422	609806.73	4170477.39	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
2423	609812.42	4170485.23	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.91E-05
2424	609797.01	4170447.11	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2425	609802.6	4170454.81	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.14E-05
2426	609808.2	4170462.5	1.47E-03	6.55E-04	2.45E-04	1.14E-04	1.81E-04	6.53E-05
2427	609813.79	4170470.2	1.56E-03	6.96E-04	2.60E-04	1.22E-04	1.92E-04	6.94E-05
2428	609819.38	4170477.89	1.65E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2429	609824.97	4170485.59	1.74E-03	7.76E-04	2.90E-04	1.35E-04	2.14E-04	7.74E-05
2430	609804.48	4170440.48	1.22E-03	5.43E-04	2.03E-04	9.47E-05	1.50E-04	5.41E-05
2431	609810.29	4170448.47	1.30E-03	5.80E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
2432	609816.09	4170456.46	1.39E-03	6.18E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
2433	609821.9	4170464.45	1.47E-03	6.56E-04	2.45E-04	1.15E-04	1.81E-04	6.54E-05
2434	609827.71	4170472.45	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
2435	609833.52	4170480.44	1.65E-03	7.33E-04	2.73E-04	1.28E-04	2.02E-04	7.31E-05
2436	609811.84	4170433.7	1.15E-03	5.10E-04	1.91E-04	8.91E-05	1.41E-04	5.09E-05
2437	609817.55	4170441.55	1.22E-03	5.44E-04	2.03E-04	9.50E-05	1.50E-04	5.43E-05
2438	609823.25	4170449.4	1.30E-03	5.78E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2439	609828.96	4170457.26	1.38E-03	6.14E-04	2.29E-04	1.07E-04	1.69E-04	6.12E-05
2440	609834.66	4170465.11	1.46E-03	6.49E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05

2441	609840.37	4170472.96	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
2442	609819.21	4170426.93	1.08E-03	4.81E-04	1.80E-04	8.40E-05	1.33E-04	4.80E-05
2443	609824.82	4170434.65	1.15E-03	5.12E-04	1.91E-04	8.93E-05	1.41E-04	5.10E-05
2444	609830.43	4170442.38	1.22E-03	5.43E-04	2.03E-04	9.48E-05	1.50E-04	5.41E-05
2445	609836.05	4170450.1	1.29E-03	5.75E-04	2.15E-04	1.00E-04	1.58E-04	5.73E-05
2446	609841.66	4170457.83	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.06E-05
2447	609847.27	4170465.55	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2448	609826.66	4170420.29	1.02E-03	4.55E-04	1.70E-04	7.94E-05	1.25E-04	4.53E-05
2449	609832.47	4170428.28	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
2450	609838.28	4170436.27	1.15E-03	5.14E-04	1.92E-04	8.97E-05	1.42E-04	5.13E-05
2451	609844.09	4170444.26	1.22E-03	5.45E-04	2.03E-04	9.51E-05	1.50E-04	5.43E-05
2452	609849.89	4170452.25	1.29E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.74E-05
2453	609855.7	4170460.24	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
2454	609834.03	4170413.51	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.29E-05
2455	609839.74	4170421.38	1.03E-03	4.56E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2456	609845.46	4170429.24	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
2457	609851.18	4170437.11	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.11E-05
2458	609856.89	4170444.97	1.22E-03	5.41E-04	2.02E-04	9.44E-05	1.49E-04	5.39E-05
2459	609862.61	4170452.84	1.28E-03	5.70E-04	2.13E-04	9.94E-05	1.57E-04	5.68E-05
2460	609868.32	4170460.7	1.34E-03	5.98E-04	2.23E-04	1.04E-04	1.65E-04	5.96E-05
2461	609606.12	4170598.47	1.76E-02	7.82E-03	2.92E-03	1.37E-03	2.15E-03	7.80E-04
2462	609608.16	4170588.77	1.34E-02	5.95E-03	2.22E-03	1.04E-03	1.64E-03	5.94E-04
2463	609609.9	4170578.9	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.66E-04
2464	609618.03	4170583.41	1.12E-02	4.99E-03	1.86E-03	8.71E-04	1.37E-03	4.98E-04
2465	609626.16	4170587.93	1.19E-02	5.29E-03	1.97E-03	9.23E-04	1.46E-03	5.27E-04
2466	609611.82	4170569.13	8.43E-03	3.75E-03	1.40E-03	6.55E-04	1.03E-03	3.74E-04
2467	609620.42	4170573.9	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
2468	609629.02	4170578.68	9.63E-03	4.29E-03	1.60E-03	7.48E-04	1.18E-03	4.27E-04
2469	609613.57	4170559.26	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
2470	609621.96	4170563.92	7.36E-03	3.27E-03	1.22E-03	5.72E-04	9.02E-04	3.26E-04
2471	609630.34	4170568.57	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
2472	609638.72	4170573.23	8.30E-03	3.69E-03	1.38E-03	6.45E-04	1.02E-03	3.68E-04
2473	609615.46	4170549.47	5.70E-03	2.54E-03	9.46E-04	4.43E-04	6.99E-04	2.53E-04
2474	609624.15	4170554.3	6.10E-03	2.72E-03	1.01E-03	4.74E-04	7.48E-04	2.71E-04
2475	609632.85	4170559.13	6.52E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
2476	609641.54	4170563.96	6.94E-03	3.09E-03	1.15E-03	5.39E-04	8.51E-04	3.08E-04
2477	609617.22	4170539.61	4.77E-03	2.12E-03	7.92E-04	3.71E-04	5.85E-04	2.12E-04
2478	609625.74	4170544.34	5.10E-03	2.27E-03	8.47E-04	3.96E-04	6.25E-04	2.26E-04
2479	609634.25	4170549.07	5.44E-03	2.42E-03	9.04E-04	4.23E-04	6.67E-04	2.42E-04
2480	609642.77	4170553.8	5.79E-03	2.58E-03	9.62E-04	4.50E-04	7.10E-04	2.57E-04
2481	609651.29	4170558.53	6.13E-03	2.73E-03	1.02E-03	4.76E-04	7.51E-04	2.72E-04
2482	609618.99	4170529.75	4.03E-03	1.80E-03	6.70E-04	3.13E-04	4.95E-04	1.79E-04
2483	609627.38	4170534.41	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
2484	609635.76	4170539.07	4.59E-03	2.04E-03	7.62E-04	3.56E-04	5.62E-04	2.04E-04
2485	609644.14	4170543.72	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
2486	609652.53	4170548.38	5.17E-03	2.30E-03	8.59E-04	4.02E-04	6.34E-04	2.30E-04
2487	609660.91	4170553.04	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.69E-04	2.42E-04
2488	609620.85	4170519.95	3.45E-03	1.53E-03	5.72E-04	2.68E-04	4.22E-04	1.53E-04
2489	609629.45	4170524.72	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
2490	609638.05	4170529.5	3.92E-03	1.74E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
2491	609646.65	4170534.28	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.12E-04	1.85E-04
2492	609655.25	4170539.05	4.44E-03	1.98E-03	7.38E-04	3.45E-04	5.44E-04	1.97E-04

2493	609663.85	4170543.83	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.08E-04
2494	609622.63	4170510.1	2.97E-03	1.32E-03	4.93E-04	2.30E-04	3.64E-04	1.32E-04
2495	609631.11	4170514.81	3.15E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
2496	609639.59	4170519.52	3.36E-03	1.49E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
2497	609648.07	4170524.23	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
2498	609656.55	4170528.94	3.80E-03	1.69E-03	6.31E-04	2.95E-04	4.66E-04	1.69E-04
2499	609665.03	4170533.65	4.03E-03	1.79E-03	6.69E-04	3.13E-04	4.94E-04	1.79E-04
2500	609673.51	4170538.36	4.24E-03	1.89E-03	7.05E-04	3.30E-04	5.20E-04	1.88E-04
2501	609624.48	4170500.29	2.57E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2502	609633.14	4170505.09	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
2503	609641.79	4170509.9	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2504	609650.44	4170514.71	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
2505	609659.1	4170519.51	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
2506	609667.75	4170524.32	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.29E-04	1.55E-04
2507	609676.4	4170529.13	3.70E-03	1.65E-03	6.15E-04	2.88E-04	4.54E-04	1.64E-04
2508	609685.06	4170533.93	3.89E-03	1.73E-03	6.46E-04	3.02E-04	4.77E-04	1.73E-04
2509	609626.26	4170490.44	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
2510	609634.81	4170495.18	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
2511	609643.36	4170499.93	2.53E-03	1.13E-03	4.20E-04	1.97E-04	3.10E-04	1.12E-04
2512	609651.9	4170504.68	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
2513	609660.45	4170509.43	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
2514	609669	4170514.17	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
2515	609677.55	4170518.92	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.94E-04	1.42E-04
2516	609686.09	4170523.67	3.38E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
2517	609628.1	4170480.62	1.98E-03	8.82E-04	3.29E-04	1.54E-04	2.43E-04	8.79E-05
2518	609636.8	4170485.45	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
2519	609645.49	4170490.28	2.22E-03	9.89E-04	3.69E-04	1.73E-04	2.73E-04	9.87E-05
2520	609654.19	4170495.11	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.90E-04	1.05E-04
2521	609662.88	4170499.94	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
2522	609671.57	4170504.76	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04
2523	609680.27	4170509.59	2.81E-03	1.25E-03	4.66E-04	2.18E-04	3.44E-04	1.25E-04
2524	609688.96	4170514.42	2.96E-03	1.32E-03	4.92E-04	2.30E-04	3.63E-04	1.32E-04
2525	609697.65	4170519.25	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
2526	609629.89	4170470.77	1.76E-03	7.81E-04	2.92E-04	1.36E-04	2.15E-04	7.79E-05
2527	609638.49	4170475.55	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.18E-05
2528	609647.08	4170480.32	1.95E-03	8.66E-04	3.23E-04	1.51E-04	2.39E-04	8.64E-05
2529	609655.68	4170485.1	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2530	609664.28	4170489.87	2.18E-03	9.72E-04	3.63E-04	1.70E-04	2.68E-04	9.69E-05
2531	609672.88	4170494.65	2.31E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2532	609681.48	4170499.43	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.99E-04	1.08E-04
2533	609690.07	4170504.2	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2534	609698.67	4170508.98	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
2535	609707.27	4170513.75	2.85E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
2536	609631.67	4170460.93	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
2537	609640.19	4170465.66	1.63E-03	7.25E-04	2.71E-04	1.27E-04	2.00E-04	7.23E-05
2538	609648.71	4170470.39	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
2539	609657.22	4170475.12	1.81E-03	8.04E-04	3.00E-04	1.40E-04	2.21E-04	8.02E-05
2540	609665.74	4170479.85	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.49E-05
2541	609674.25	4170484.58	2.02E-03	9.00E-04	3.36E-04	1.57E-04	2.48E-04	8.98E-05
2542	609682.77	4170489.31	2.13E-03	9.50E-04	3.54E-04	1.66E-04	2.62E-04	9.47E-05
2543	609691.29	4170494.04	2.26E-03	1.00E-03	3.75E-04	1.75E-04	2.77E-04	1.00E-04
2544	609699.8	4170498.77	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04

2545	609708.32	4170503.5	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
2546	609642.15	4170455.9	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.79E-04	6.46E-05
2547	609650.78	4170460.7	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.86E-04	6.75E-05
2548	609659.42	4170465.5	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
2549	609668.06	4170470.3	1.70E-03	7.56E-04	2.82E-04	1.32E-04	2.08E-04	7.54E-05
2550	609676.7	4170475.09	1.80E-03	8.00E-04	2.99E-04	1.40E-04	2.20E-04	7.98E-05
2551	609685.33	4170479.89	1.90E-03	8.46E-04	3.16E-04	1.48E-04	2.33E-04	8.44E-05
2552	609693.97	4170484.69	2.01E-03	8.95E-04	3.34E-04	1.56E-04	2.47E-04	8.93E-05
2553	609702.61	4170489.49	2.13E-03	9.46E-04	3.53E-04	1.65E-04	2.61E-04	9.43E-05
2554	609711.25	4170494.28	2.24E-03	9.96E-04	3.72E-04	1.74E-04	2.74E-04	9.94E-05
2555	609719.88	4170499.08	2.35E-03	1.05E-03	3.90E-04	1.83E-04	2.88E-04	1.04E-04
2556	609643.86	4170446.02	1.31E-03	5.82E-04	2.17E-04	1.02E-04	1.60E-04	5.81E-05
2557	609652.42	4170450.77	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.05E-05
2558	609660.98	4170455.53	1.43E-03	6.38E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
2559	609669.54	4170460.28	1.51E-03	6.73E-04	2.51E-04	1.17E-04	1.85E-04	6.71E-05
2560	609678.11	4170465.04	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
2561	609686.67	4170469.79	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
2562	609695.23	4170474.55	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
2563	609703.79	4170479.3	1.88E-03	8.39E-04	3.13E-04	1.46E-04	2.31E-04	8.37E-05
2564	609712.35	4170484.06	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
2565	609720.91	4170488.81	2.09E-03	9.29E-04	3.47E-04	1.62E-04	2.56E-04	9.27E-05
2566	609729.47	4170493.57	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.71E-05
2567	609654.47	4170441.07	1.23E-03	5.48E-04	2.04E-04	9.56E-05	1.51E-04	5.46E-05
2568	609663.14	4170445.88	1.29E-03	5.75E-04	2.15E-04	1.00E-04	1.58E-04	5.74E-05
2569	609671.8	4170450.7	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.04E-05
2570	609680.47	4170455.51	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2571	609689.14	4170460.33	1.52E-03	6.75E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
2572	609697.81	4170465.14	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
2573	609706.48	4170469.96	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05
2574	609715.15	4170474.77	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
2575	609723.81	4170479.59	1.88E-03	8.36E-04	3.12E-04	1.46E-04	2.30E-04	8.34E-05
2576	609732.48	4170484.4	1.97E-03	8.78E-04	3.28E-04	1.53E-04	2.42E-04	8.75E-05
2577	609664.71	4170435.92	1.17E-03	5.20E-04	1.94E-04	9.07E-05	1.43E-04	5.18E-05
2578	609673.31	4170440.7	1.23E-03	5.46E-04	2.04E-04	9.53E-05	1.50E-04	5.44E-05
2579	609681.91	4170445.47	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
2580	609690.51	4170450.25	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.04E-05
2581	609699.11	4170455.02	1.44E-03	6.39E-04	2.38E-04	1.12E-04	1.76E-04	6.37E-05
2582	609707.7	4170459.8	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
2583	609716.3	4170464.58	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2584	609724.9	4170469.35	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
2585	609733.5	4170474.13	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
2586	609742.1	4170478.9	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
2587	609640.75	4170411.77	9.52E-04	4.24E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
2588	609675.52	4170431.09	1.11E-03	4.96E-04	1.85E-04	8.66E-05	1.37E-04	4.95E-05
2589	609684.22	4170435.92	1.17E-03	5.21E-04	1.95E-04	9.10E-05	1.44E-04	5.20E-05
2590	609692.91	4170440.75	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
2591	609701.61	4170445.57	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2592	609710.3	4170450.4	1.37E-03	6.10E-04	2.28E-04	1.06E-04	1.68E-04	6.08E-05
2593	609718.99	4170455.23	1.44E-03	6.43E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
2594	609727.69	4170460.06	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.86E-04	6.75E-05
2595	609736.38	4170464.89	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
2596	609745.07	4170469.72	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05

2597	609642.54	4170401.93	8.74E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
2598	609651.17	4170406.72	8.99E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
2599	609677.05	4170421.1	1.01E-03	4.51E-04	1.68E-04	7.88E-05	1.24E-04	4.50E-05
2600	609685.68	4170425.89	1.06E-03	4.73E-04	1.77E-04	8.26E-05	1.30E-04	4.72E-05
2601	609694.31	4170430.68	1.12E-03	4.97E-04	1.85E-04	8.67E-05	1.37E-04	4.95E-05
2602	609702.94	4170435.48	1.17E-03	5.22E-04	1.95E-04	9.12E-05	1.44E-04	5.21E-05
2603	609711.57	4170440.27	1.24E-03	5.50E-04	2.05E-04	9.60E-05	1.51E-04	5.48E-05
2604	609720.2	4170445.06	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2605	609728.82	4170449.85	1.37E-03	6.09E-04	2.27E-04	1.06E-04	1.68E-04	6.07E-05
2606	609737.45	4170454.65	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2607	609746.08	4170459.44	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.69E-05
2608	609754.71	4170464.23	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
2609	609644.33	4170392.08	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
2610	609652.9	4170396.84	8.28E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
2611	609687.18	4170415.88	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
2612	609695.75	4170420.64	1.01E-03	4.52E-04	1.69E-04	7.88E-05	1.24E-04	4.50E-05
2613	609704.32	4170425.4	1.06E-03	4.74E-04	1.77E-04	8.27E-05	1.31E-04	4.73E-05
2614	609712.89	4170430.16	1.12E-03	4.98E-04	1.86E-04	8.69E-05	1.37E-04	4.96E-05
2615	609721.46	4170434.92	1.18E-03	5.23E-04	1.95E-04	9.13E-05	1.44E-04	5.22E-05
2616	609730.03	4170439.68	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
2617	609738.6	4170444.44	1.30E-03	5.77E-04	2.15E-04	1.01E-04	1.59E-04	5.75E-05
2618	609747.17	4170449.2	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
2619	609755.74	4170453.96	1.42E-03	6.33E-04	2.36E-04	1.11E-04	1.74E-04	6.32E-05
2620	609764.3	4170458.72	1.49E-03	6.62E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
2621	609646.16	4170382.26	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
2622	609654.81	4170387.07	7.66E-04	3.41E-04	1.27E-04	5.95E-05	9.39E-05	3.40E-05
2623	609663.47	4170391.87	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
2624	609698.08	4170411.1	9.31E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
2625	609706.74	4170415.91	9.75E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
2626	609715.39	4170420.71	1.02E-03	4.55E-04	1.70E-04	7.95E-05	1.25E-04	4.54E-05
2627	609724.04	4170425.52	1.07E-03	4.78E-04	1.78E-04	8.35E-05	1.32E-04	4.77E-05
2628	609732.7	4170430.33	1.13E-03	5.02E-04	1.87E-04	8.76E-05	1.38E-04	5.01E-05
2629	609741.35	4170435.13	1.18E-03	5.27E-04	1.97E-04	9.20E-05	1.45E-04	5.26E-05
2630	609750	4170439.94	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
2631	609758.66	4170444.75	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2632	609767.31	4170449.55	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
2633	609775.96	4170454.36	1.42E-03	6.30E-04	2.35E-04	1.10E-04	1.74E-04	6.29E-05
2634	609647.95	4170372.42	6.93E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05
2635	609656.55	4170377.19	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.73E-05	3.16E-05
2636	609665.15	4170381.97	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
2637	609673.75	4170386.74	7.58E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
2638	609699.54	4170401.07	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
2639	609708.14	4170405.85	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
2640	609716.74	4170410.62	9.34E-04	4.16E-04	1.55E-04	7.26E-05	1.14E-04	4.14E-05
2641	609725.34	4170415.4	9.78E-04	4.35E-04	1.63E-04	7.60E-05	1.20E-04	4.34E-05
2642	609733.93	4170420.17	1.03E-03	4.57E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2643	609742.53	4170424.95	1.08E-03	4.79E-04	1.79E-04	8.36E-05	1.32E-04	4.77E-05
2644	609751.13	4170429.73	1.13E-03	5.01E-04	1.87E-04	8.75E-05	1.38E-04	5.00E-05
2645	609759.73	4170434.5	1.18E-03	5.25E-04	1.96E-04	9.17E-05	1.45E-04	5.24E-05
2646	609768.33	4170439.28	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
2647	609776.92	4170444.05	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
2648	609649.78	4170362.59	6.48E-04	2.88E-04	1.08E-04	5.03E-05	7.94E-05	2.87E-05

2649	609658.45	4170367.41	6.64E-04	2.95E-04	1.10E-04	5.16E-05	8.14E-05	2.95E-05
2650	609667.13	4170372.23	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
2651	609675.8	4170377.05	7.04E-04	3.14E-04	1.17E-04	5.47E-05	8.64E-05	3.13E-05
2652	609684.48	4170381.87	7.29E-04	3.25E-04	1.21E-04	5.67E-05	8.94E-05	3.24E-05
2653	609710.5	4170396.32	8.23E-04	3.66E-04	1.37E-04	6.40E-05	1.01E-04	3.65E-05
2654	609719.18	4170401.14	8.60E-04	3.83E-04	1.43E-04	6.68E-05	1.05E-04	3.82E-05
2655	609727.85	4170405.96	9.00E-04	4.01E-04	1.50E-04	7.00E-05	1.10E-04	4.00E-05
2656	609736.53	4170410.78	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
2657	609745.2	4170415.6	9.87E-04	4.39E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
2658	609753.88	4170420.41	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.26E-04	4.58E-05
2659	609762.55	4170425.23	1.08E-03	4.80E-04	1.79E-04	8.39E-05	1.32E-04	4.79E-05
2660	609771.23	4170430.05	1.13E-03	5.03E-04	1.88E-04	8.78E-05	1.39E-04	5.01E-05
2661	609779.91	4170434.87	1.18E-03	5.25E-04	1.96E-04	9.16E-05	1.45E-04	5.23E-05
2662	609788.58	4170439.69	1.22E-03	5.45E-04	2.03E-04	9.52E-05	1.50E-04	5.44E-05
2663	609651.57	4170352.75	6.07E-04	2.70E-04	1.01E-04	4.71E-05	7.44E-05	2.69E-05
2664	609660.19	4170357.54	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.75E-05
2665	609668.82	4170362.33	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
2666	609677.44	4170367.12	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
2667	609686.06	4170371.91	6.77E-04	3.01E-04	1.13E-04	5.26E-05	8.30E-05	3.01E-05
2668	609720.55	4170391.06	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
2669	609729.18	4170395.85	8.26E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
2670	609737.8	4170400.64	8.64E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
2671	609746.42	4170405.43	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2672	609755.04	4170410.22	9.40E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
2673	609763.67	4170415.01	9.81E-04	4.37E-04	1.63E-04	7.62E-05	1.20E-04	4.36E-05
2674	609772.29	4170419.8	1.03E-03	4.56E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2675	609780.91	4170424.59	1.07E-03	4.77E-04	1.78E-04	8.32E-05	1.31E-04	4.75E-05
2676	609789.53	4170429.38	1.12E-03	4.96E-04	1.85E-04	8.67E-05	1.37E-04	4.95E-05
2677	609653.4	4170342.92	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
2678	609662.09	4170347.75	5.82E-04	2.59E-04	9.67E-05	4.52E-05	7.14E-05	2.58E-05
2679	609670.78	4170352.58	5.97E-04	2.65E-04	9.91E-05	4.64E-05	7.31E-05	2.65E-05
2680	609679.48	4170357.41	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.52E-05	2.72E-05
2681	609688.17	4170362.24	6.32E-04	2.81E-04	1.05E-04	4.91E-05	7.75E-05	2.81E-05
2682	609696.86	4170367.07	6.54E-04	2.91E-04	1.09E-04	5.08E-05	8.02E-05	2.90E-05
2683	609731.64	4170386.38	7.65E-04	3.41E-04	1.27E-04	5.95E-05	9.38E-05	3.40E-05
2684	609740.33	4170391.21	7.99E-04	3.56E-04	1.33E-04	6.21E-05	9.80E-05	3.55E-05
2685	609749.03	4170396.04	8.32E-04	3.70E-04	1.38E-04	6.47E-05	1.02E-04	3.69E-05
2686	609757.72	4170400.87	8.66E-04	3.85E-04	1.44E-04	6.73E-05	1.06E-04	3.84E-05
2687	609766.41	4170405.7	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2688	609775.11	4170410.53	9.42E-04	4.19E-04	1.56E-04	7.32E-05	1.15E-04	4.18E-05
2689	609783.8	4170415.36	9.84E-04	4.38E-04	1.64E-04	7.65E-05	1.21E-04	4.37E-05
2690	609792.49	4170420.19	1.03E-03	4.57E-04	1.71E-04	7.98E-05	1.26E-04	4.56E-05
2691	609801.19	4170425.01	1.07E-03	4.75E-04	1.77E-04	8.30E-05	1.31E-04	4.74E-05
2692	609655.19	4170333.08	5.37E-04	2.39E-04	8.92E-05	4.17E-05	6.58E-05	2.38E-05
2693	609663.83	4170337.88	5.47E-04	2.44E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
2694	609672.48	4170342.68	5.60E-04	2.49E-04	9.30E-05	4.35E-05	6.86E-05	2.49E-05
2695	609681.12	4170347.49	5.74E-04	2.56E-04	9.54E-05	4.46E-05	7.04E-05	2.55E-05
2696	609689.77	4170352.29	5.91E-04	2.63E-04	9.82E-05	4.59E-05	7.25E-05	2.62E-05
2697	609698.41	4170357.09	6.10E-04	2.71E-04	1.01E-04	4.74E-05	7.48E-05	2.71E-05
2698	609707.05	4170361.89	6.31E-04	2.81E-04	1.05E-04	4.90E-05	7.74E-05	2.80E-05
2699	609732.99	4170376.29	7.07E-04	3.15E-04	1.17E-04	5.50E-05	8.67E-05	3.14E-05
2700	609741.63	4170381.09	7.37E-04	3.28E-04	1.22E-04	5.73E-05	9.04E-05	3.27E-05

2701	609750.27	4170385.9	7.66E-04	3.41E-04	1.27E-04	5.95E-05	9.39E-05	3.40E-05
2702	609758.92	4170390.7	7.96E-04	3.54E-04	1.32E-04	6.18E-05	9.76E-05	3.53E-05
2703	609767.56	4170395.5	8.28E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
2704	609776.21	4170400.3	8.62E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
2705	609784.85	4170405.1	9.00E-04	4.00E-04	1.49E-04	6.99E-05	1.10E-04	3.99E-05
2706	609793.49	4170409.9	9.39E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
2707	609802.14	4170414.7	9.78E-04	4.35E-04	1.62E-04	7.60E-05	1.20E-04	4.34E-05
2708	609810.78	4170419.5	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
2709	609657.01	4170323.26	5.07E-04	2.26E-04	8.42E-05	3.94E-05	6.22E-05	2.25E-05
2710	609665.72	4170328.09	5.16E-04	2.30E-04	8.58E-05	4.01E-05	6.33E-05	2.29E-05
2711	609674.43	4170332.93	5.27E-04	2.35E-04	8.76E-05	4.10E-05	6.47E-05	2.34E-05
2712	609683.14	4170337.77	5.40E-04	2.40E-04	8.97E-05	4.20E-05	6.62E-05	2.40E-05
2713	609691.85	4170342.61	5.55E-04	2.47E-04	9.22E-05	4.31E-05	6.81E-05	2.46E-05
2714	609700.56	4170347.44	5.72E-04	2.55E-04	9.50E-05	4.44E-05	7.01E-05	2.54E-05
2715	609709.27	4170352.28	5.91E-04	2.63E-04	9.81E-05	4.59E-05	7.24E-05	2.62E-05
2716	609744.11	4170371.63	6.86E-04	3.05E-04	1.14E-04	5.33E-05	8.41E-05	3.04E-05
2717	609752.82	4170376.47	7.11E-04	3.16E-04	1.18E-04	5.52E-05	8.72E-05	3.16E-05
2718	609761.53	4170381.31	7.38E-04	3.28E-04	1.23E-04	5.73E-05	9.05E-05	3.28E-05
2719	609770.24	4170386.15	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
2720	609778.95	4170390.98	7.99E-04	3.56E-04	1.33E-04	6.21E-05	9.80E-05	3.55E-05
2721	609787.66	4170395.82	8.34E-04	3.71E-04	1.38E-04	6.48E-05	1.02E-04	3.70E-05
2722	609796.37	4170400.66	8.70E-04	3.87E-04	1.44E-04	6.76E-05	1.07E-04	3.86E-05
2723	609805.08	4170405.5	9.06E-04	4.03E-04	1.51E-04	7.04E-05	1.11E-04	4.02E-05
2724	609813.79	4170410.34	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
2725	609658.81	4170313.41	4.80E-04	2.13E-04	7.97E-05	3.73E-05	5.88E-05	2.13E-05
2726	609667.47	4170318.22	4.88E-04	2.17E-04	8.10E-05	3.79E-05	5.98E-05	2.17E-05
2727	609676.13	4170323.04	4.97E-04	2.21E-04	8.26E-05	3.87E-05	6.10E-05	2.21E-05
2728	609684.8	4170327.85	5.09E-04	2.26E-04	8.45E-05	3.95E-05	6.24E-05	2.26E-05
2729	609693.46	4170332.66	5.22E-04	2.32E-04	8.67E-05	4.05E-05	6.40E-05	2.32E-05
2730	609702.12	4170337.47	5.37E-04	2.39E-04	8.91E-05	4.17E-05	6.58E-05	2.38E-05
2731	609710.78	4170342.28	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.78E-05	2.45E-05
2732	609719.45	4170347.09	5.71E-04	2.54E-04	9.49E-05	4.44E-05	7.00E-05	2.54E-05
2733	609754.1	4170366.34	6.58E-04	2.93E-04	1.09E-04	5.12E-05	8.07E-05	2.92E-05
2734	609762.76	4170371.15	6.82E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
2735	609771.42	4170375.96	7.08E-04	3.15E-04	1.18E-04	5.50E-05	8.68E-05	3.14E-05
2736	609780.08	4170380.78	7.37E-04	3.28E-04	1.22E-04	5.73E-05	9.04E-05	3.27E-05
2737	609788.75	4170385.59	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
2738	609797.41	4170390.4	8.00E-04	3.56E-04	1.33E-04	6.22E-05	9.81E-05	3.55E-05
2739	609806.07	4170395.21	8.34E-04	3.71E-04	1.38E-04	6.48E-05	1.02E-04	3.70E-05
2740	609814.73	4170400.02	8.68E-04	3.86E-04	1.44E-04	6.74E-05	1.06E-04	3.85E-05
2741	609823.4	4170404.83	9.02E-04	4.02E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2742	609596.41	4170596.66	1.78E-02	7.93E-03	2.96E-03	1.38E-03	2.18E-03	7.90E-04
2743	609598.19	4170586.66	1.34E-02	5.95E-03	2.22E-03	1.04E-03	1.64E-03	5.94E-04
2744	609599.64	4170576.79	1.04E-02	4.65E-03	1.74E-03	8.12E-04	1.28E-03	4.64E-04
2745	609599.7	4170566.8	8.37E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
2746	609599.74	4170556.8	6.82E-03	3.04E-03	1.13E-03	5.30E-04	8.36E-04	3.03E-04
2747	609599.77	4170546.8	5.63E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
2748	609599.8	4170536.81	4.71E-03	2.09E-03	7.82E-04	3.66E-04	5.77E-04	2.09E-04
2749	609599.82	4170526.81	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
2750	609609.57	4170527.7	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
2751	609599.83	4170516.81	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
2752	609609.69	4170517.71	3.38E-03	1.50E-03	5.61E-04	2.63E-04	4.14E-04	1.50E-04

2753	609599.85	4170506.81	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2754	609609.78	4170507.72	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
2755	609599.86	4170496.81	2.53E-03	1.13E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
2756	609609.86	4170497.72	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
2757	609599.87	4170486.81	2.21E-03	9.85E-04	3.68E-04	1.72E-04	2.71E-04	9.82E-05
2758	609609.93	4170487.73	2.21E-03	9.82E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2759	609609.99	4170477.73	1.95E-03	8.66E-04	3.23E-04	1.51E-04	2.39E-04	8.64E-05
2760	609620.21	4170468.67	1.73E-03	7.68E-04	2.87E-04	1.34E-04	2.12E-04	7.66E-05
2761	609620.56	4170418.7	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
2762	609599.91	4170406.82	9.78E-04	4.35E-04	1.62E-04	7.60E-05	1.20E-04	4.34E-05
2763	609610.26	4170407.76	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.28E-05
2764	609620.61	4170408.7	9.56E-04	4.26E-04	1.59E-04	7.43E-05	1.17E-04	4.25E-05
2765	609630.95	4170409.64	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
2766	609599.92	4170396.82	9.05E-04	4.03E-04	1.50E-04	7.03E-05	1.11E-04	4.02E-05
2767	609610.29	4170397.76	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
2768	609620.65	4170398.71	8.83E-04	3.93E-04	1.47E-04	6.86E-05	1.08E-04	3.92E-05
2769	609631.02	4170399.65	8.73E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
2770	609599.92	4170386.82	8.41E-04	3.74E-04	1.40E-04	6.53E-05	1.03E-04	3.73E-05
2771	609610.31	4170387.76	8.27E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
2772	609620.7	4170388.71	8.14E-04	3.62E-04	1.35E-04	6.32E-05	9.98E-05	3.61E-05
2773	609631.08	4170389.66	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
2774	609599.92	4170376.82	7.84E-04	3.49E-04	1.30E-04	6.09E-05	9.61E-05	3.48E-05
2775	609610.33	4170377.77	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
2776	609620.74	4170378.71	7.54E-04	3.36E-04	1.25E-04	5.86E-05	9.25E-05	3.35E-05
2777	609631.14	4170379.66	7.46E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
2778	609599.93	4170366.82	7.34E-04	3.27E-04	1.22E-04	5.70E-05	9.00E-05	3.26E-05
2779	609610.35	4170367.77	7.18E-04	3.19E-04	1.19E-04	5.58E-05	8.80E-05	3.19E-05
2780	609620.77	4170368.72	7.04E-04	3.13E-04	1.17E-04	5.47E-05	8.63E-05	3.12E-05
2781	609631.19	4170369.67	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.09E-05
2782	609599.93	4170356.82	6.89E-04	3.07E-04	1.14E-04	5.35E-05	8.44E-05	3.06E-05
2783	609610.37	4170357.77	6.73E-04	3.00E-04	1.12E-04	5.23E-05	8.26E-05	2.99E-05
2784	609620.8	4170358.72	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.09E-05	2.93E-05
2785	609631.24	4170359.67	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.99E-05	2.89E-05
2786	609599.93	4170346.82	6.48E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
2787	609610.38	4170347.77	6.34E-04	2.82E-04	1.05E-04	4.92E-05	7.77E-05	2.81E-05
2788	609620.84	4170348.72	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.76E-05
2789	609631.29	4170349.67	6.12E-04	2.72E-04	1.02E-04	4.76E-05	7.51E-05	2.72E-05
2790	609641.74	4170350.63	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
2791	609599.93	4170336.82	6.12E-04	2.72E-04	1.02E-04	4.75E-05	7.50E-05	2.72E-05
2792	609610.4	4170337.77	5.98E-04	2.66E-04	9.93E-05	4.65E-05	7.33E-05	2.65E-05
2793	609620.86	4170338.73	5.86E-04	2.61E-04	9.73E-05	4.55E-05	7.18E-05	2.60E-05
2794	609631.33	4170339.68	5.77E-04	2.57E-04	9.59E-05	4.48E-05	7.07E-05	2.56E-05
2795	609641.8	4170340.63	5.71E-04	2.54E-04	9.48E-05	4.43E-05	7.00E-05	2.53E-05
2796	609599.94	4170326.82	5.79E-04	2.58E-04	9.61E-05	4.50E-05	7.10E-05	2.57E-05
2797	609610.41	4170327.77	5.65E-04	2.52E-04	9.39E-05	4.39E-05	6.93E-05	2.51E-05
2798	609620.89	4170328.73	5.54E-04	2.46E-04	9.20E-05	4.30E-05	6.79E-05	2.46E-05
2799	609631.37	4170329.68	5.45E-04	2.43E-04	9.06E-05	4.24E-05	6.69E-05	2.42E-05
2800	609641.85	4170330.64	5.39E-04	2.40E-04	8.95E-05	4.19E-05	6.61E-05	2.39E-05
2801	609599.94	4170316.82	5.49E-04	2.44E-04	9.11E-05	4.26E-05	6.73E-05	2.44E-05
2802	609610.43	4170317.77	5.36E-04	2.39E-04	8.90E-05	4.16E-05	6.57E-05	2.38E-05
2803	609620.92	4170318.73	5.25E-04	2.34E-04	8.72E-05	4.08E-05	6.43E-05	2.33E-05
2804	609631.41	4170319.69	5.16E-04	2.30E-04	8.58E-05	4.01E-05	6.33E-05	2.29E-05

2805	609641.9	4170320.64	5.10E-04	2.27E-04	8.47E-05	3.96E-05	6.25E-05	2.26E-05
2806	609599.94	4170306.82	5.21E-04	2.32E-04	8.66E-05	4.05E-05	6.39E-05	2.31E-05
2807	609610.44	4170307.78	5.09E-04	2.27E-04	8.46E-05	3.96E-05	6.24E-05	2.26E-05
2808	609620.94	4170308.73	4.98E-04	2.22E-04	8.28E-05	3.87E-05	6.11E-05	2.21E-05
2809	609631.44	4170309.69	4.90E-04	2.18E-04	8.14E-05	3.81E-05	6.01E-05	2.18E-05
2810	609641.94	4170310.64	4.84E-04	2.15E-04	8.04E-05	3.76E-05	5.93E-05	2.15E-05
2811	609586.93	4170596.59	1.91E-02	8.48E-03	3.17E-03	1.48E-03	2.34E-03	8.46E-04
2812	609577.3	4170596.51	2.05E-02	9.11E-03	3.40E-03	1.59E-03	2.51E-03	9.08E-04
2813	609567.67	4170596.44	2.18E-02	9.70E-03	3.62E-03	1.69E-03	2.67E-03	9.68E-04
2814	609558.04	4170596.36	2.30E-02	1.02E-02	3.82E-03	1.79E-03	2.82E-03	1.02E-03
2815	609548.41	4170596.29	2.40E-02	1.07E-02	3.99E-03	1.86E-03	2.94E-03	1.06E-03
2816	609538.78	4170596.21	2.48E-02	1.10E-02	4.12E-03	1.93E-03	3.04E-03	1.10E-03
2817	609529.15	4170596.14	2.54E-02	1.13E-02	4.21E-03	1.97E-03	3.11E-03	1.13E-03
2818	609519.52	4170596.07	2.57E-02	1.15E-02	4.28E-03	2.00E-03	3.16E-03	1.14E-03
2819	609509.89	4170595.99	2.59E-02	1.15E-02	4.31E-03	2.02E-03	3.18E-03	1.15E-03
2820	609500.26	4170595.92	2.59E-02	1.15E-02	4.31E-03	2.02E-03	3.18E-03	1.15E-03
2821	609490.63	4170595.84	2.58E-02	1.15E-02	4.28E-03	2.00E-03	3.16E-03	1.14E-03
2822	609481	4170595.77	2.54E-02	1.13E-02	4.22E-03	1.97E-03	3.12E-03	1.13E-03
2823	609471.37	4170595.69	2.49E-02	1.11E-02	4.13E-03	1.93E-03	3.05E-03	1.10E-03
2824	609587.01	4170586.59	1.42E-02	6.34E-03	2.37E-03	1.11E-03	1.75E-03	6.32E-04
2825	609577.38	4170586.51	1.51E-02	6.72E-03	2.51E-03	1.17E-03	1.85E-03	6.70E-04
2826	609567.75	4170586.44	1.60E-02	7.12E-03	2.66E-03	1.24E-03	1.96E-03	7.10E-04
2827	609558.12	4170586.36	1.68E-02	7.49E-03	2.79E-03	1.31E-03	2.06E-03	7.47E-04
2828	609548.49	4170586.29	1.76E-02	7.82E-03	2.92E-03	1.36E-03	2.15E-03	7.80E-04
2829	609538.86	4170586.21	1.82E-02	8.09E-03	3.02E-03	1.41E-03	2.23E-03	8.07E-04
2830	609529.23	4170586.14	1.87E-02	8.30E-03	3.10E-03	1.45E-03	2.29E-03	8.28E-04
2831	609519.6	4170586.07	1.90E-02	8.45E-03	3.15E-03	1.48E-03	2.33E-03	8.43E-04
2832	609509.97	4170585.99	1.92E-02	8.53E-03	3.18E-03	1.49E-03	2.35E-03	8.51E-04
2833	609500.34	4170585.92	1.92E-02	8.56E-03	3.19E-03	1.49E-03	2.36E-03	8.53E-04
2834	609490.71	4170585.84	1.91E-02	8.52E-03	3.18E-03	1.49E-03	2.35E-03	8.50E-04
2835	609481.08	4170585.77	1.89E-02	8.42E-03	3.14E-03	1.47E-03	2.32E-03	8.40E-04
2836	609471.44	4170585.69	1.86E-02	8.27E-03	3.09E-03	1.44E-03	2.28E-03	8.25E-04
2837	609587.09	4170576.59	1.10E-02	4.91E-03	1.83E-03	8.57E-04	1.35E-03	4.90E-04
2838	609577.46	4170576.51	1.16E-02	5.15E-03	1.92E-03	9.00E-04	1.42E-03	5.14E-04
2839	609567.83	4170576.44	1.22E-02	5.42E-03	2.02E-03	9.46E-04	1.49E-03	5.40E-04
2840	609558.2	4170576.36	1.28E-02	5.68E-03	2.12E-03	9.91E-04	1.56E-03	5.66E-04
2841	609548.57	4170576.29	1.33E-02	5.92E-03	2.21E-03	1.03E-03	1.63E-03	5.90E-04
2842	609538.94	4170576.21	1.38E-02	6.13E-03	2.29E-03	1.07E-03	1.69E-03	6.11E-04
2843	609529.31	4170576.14	1.42E-02	6.30E-03	2.35E-03	1.10E-03	1.74E-03	6.28E-04
2844	609519.67	4170576.07	1.44E-02	6.43E-03	2.40E-03	1.12E-03	1.77E-03	6.41E-04
2845	609510.04	4170575.99	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.50E-04
2846	609500.41	4170575.92	1.47E-02	6.55E-03	2.45E-03	1.14E-03	1.81E-03	6.54E-04
2847	609490.78	4170575.84	1.47E-02	6.55E-03	2.45E-03	1.14E-03	1.81E-03	6.53E-04
2848	609481.15	4170575.77	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
2849	609423.37	4170575.32	1.30E-02	5.76E-03	2.15E-03	1.01E-03	1.59E-03	5.75E-04
2850	609587.17	4170566.59	8.76E-03	3.90E-03	1.45E-03	6.80E-04	1.07E-03	3.89E-04
2851	609577.54	4170566.51	9.12E-03	4.06E-03	1.51E-03	7.09E-04	1.12E-03	4.05E-04
2852	609567.9	4170566.44	9.52E-03	4.24E-03	1.58E-03	7.40E-04	1.17E-03	4.22E-04
2853	609558.27	4170566.36	9.93E-03	4.42E-03	1.65E-03	7.72E-04	1.22E-03	4.41E-04
2854	609548.64	4170566.29	1.03E-02	4.60E-03	1.72E-03	8.03E-04	1.27E-03	4.59E-04
2855	609539.01	4170566.21	1.07E-02	4.76E-03	1.78E-03	8.31E-04	1.31E-03	4.75E-04
2856	609529.38	4170566.14	1.10E-02	4.90E-03	1.83E-03	8.55E-04	1.35E-03	4.89E-04

2857	609519.75	4170566.07	1.13E-02	5.01E-03	1.87E-03	8.75E-04	1.38E-03	5.00E-04
2858	609510.12	4170565.99	1.15E-02	5.10E-03	1.90E-03	8.90E-04	1.40E-03	5.08E-04
2859	609500.49	4170565.92	1.16E-02	5.15E-03	1.92E-03	9.00E-04	1.42E-03	5.14E-04
2860	609490.86	4170565.84	1.16E-02	5.18E-03	1.93E-03	9.04E-04	1.43E-03	5.17E-04
2861	609587.24	4170556.59	7.08E-03	3.15E-03	1.18E-03	5.50E-04	8.68E-04	3.14E-04
2862	609577.61	4170556.51	7.33E-03	3.26E-03	1.22E-03	5.69E-04	8.98E-04	3.25E-04
2863	609567.98	4170556.44	7.61E-03	3.38E-03	1.26E-03	5.91E-04	9.32E-04	3.38E-04
2864	609558.35	4170556.36	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.68E-04	3.51E-04
2865	609548.72	4170556.29	8.20E-03	3.65E-03	1.36E-03	6.37E-04	1.01E-03	3.64E-04
2866	609539.09	4170556.22	8.49E-03	3.78E-03	1.41E-03	6.59E-04	1.04E-03	3.77E-04
2867	609529.46	4170556.14	8.74E-03	3.89E-03	1.45E-03	6.79E-04	1.07E-03	3.88E-04
2868	609519.83	4170556.07	8.97E-03	3.99E-03	1.49E-03	6.97E-04	1.10E-03	3.98E-04
2869	609510.2	4170555.99	9.16E-03	4.08E-03	1.52E-03	7.11E-04	1.12E-03	4.06E-04
2870	609462.05	4170555.62	9.50E-03	4.23E-03	1.58E-03	7.38E-04	1.17E-03	4.22E-04
2871	609452.42	4170555.55	9.49E-03	4.22E-03	1.58E-03	7.37E-04	1.16E-03	4.21E-04
2872	609442.78	4170555.47	9.45E-03	4.21E-03	1.57E-03	7.34E-04	1.16E-03	4.20E-04
2873	609433.15	4170555.4	9.39E-03	4.18E-03	1.56E-03	7.30E-04	1.15E-03	4.17E-04
2874	609587.32	4170546.59	5.81E-03	2.59E-03	9.66E-04	4.52E-04	7.13E-04	2.58E-04
2875	609577.69	4170546.51	5.99E-03	2.66E-03	9.95E-04	4.65E-04	7.34E-04	2.66E-04
2876	609568.06	4170546.44	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.58E-04	2.75E-04
2877	609558.43	4170546.36	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.85E-04	2.84E-04
2878	609548.8	4170546.29	6.63E-03	2.95E-03	1.10E-03	5.15E-04	8.13E-04	2.94E-04
2879	609539.17	4170546.22	6.86E-03	3.05E-03	1.14E-03	5.33E-04	8.41E-04	3.04E-04
2880	609529.54	4170546.14	7.07E-03	3.15E-03	1.18E-03	5.50E-04	8.67E-04	3.14E-04
2881	609519.91	4170546.07	7.28E-03	3.24E-03	1.21E-03	5.65E-04	8.92E-04	3.23E-04
2882	609471.75	4170545.69	7.92E-03	3.53E-03	1.32E-03	6.16E-04	9.71E-04	3.52E-04
2883	609462.12	4170545.62	7.98E-03	3.55E-03	1.33E-03	6.20E-04	9.79E-04	3.54E-04
2884	609452.49	4170545.55	8.03E-03	3.57E-03	1.33E-03	6.24E-04	9.85E-04	3.56E-04
2885	609442.86	4170545.47	8.05E-03	3.58E-03	1.34E-03	6.26E-04	9.88E-04	3.58E-04
2886	609433.23	4170545.4	8.05E-03	3.58E-03	1.34E-03	6.26E-04	9.88E-04	3.58E-04
2887	609423.6	4170545.32	8.02E-03	3.57E-03	1.33E-03	6.23E-04	9.84E-04	3.56E-04
2888	609587.4	4170536.59	4.83E-03	2.15E-03	8.03E-04	3.76E-04	5.93E-04	2.15E-04
2889	609577.77	4170536.51	4.96E-03	2.21E-03	8.24E-04	3.86E-04	6.08E-04	2.20E-04
2890	609568.14	4170536.44	5.11E-03	2.27E-03	8.49E-04	3.97E-04	6.27E-04	2.27E-04
2891	609558.51	4170536.36	5.27E-03	2.35E-03	8.76E-04	4.10E-04	6.47E-04	2.34E-04
2892	609548.88	4170536.29	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.68E-04	2.42E-04
2893	609539.25	4170536.22	5.64E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
2894	609529.61	4170536.14	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.13E-04	2.58E-04
2895	609481.46	4170535.77	6.59E-03	2.93E-03	1.09E-03	5.12E-04	8.08E-04	2.93E-04
2896	609471.83	4170535.69	6.70E-03	2.98E-03	1.11E-03	5.21E-04	8.21E-04	2.97E-04
2897	609462.2	4170535.62	6.80E-03	3.02E-03	1.13E-03	5.28E-04	8.33E-04	3.02E-04
2898	609452.57	4170535.55	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
2899	609442.94	4170535.47	6.94E-03	3.09E-03	1.15E-03	5.39E-04	8.51E-04	3.08E-04
2900	609433.31	4170535.4	6.98E-03	3.10E-03	1.16E-03	5.42E-04	8.55E-04	3.10E-04
2901	609423.68	4170535.32	6.99E-03	3.11E-03	1.16E-03	5.43E-04	8.57E-04	3.10E-04
2902	609587.48	4170526.59	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
2903	609577.84	4170526.51	4.17E-03	1.85E-03	6.92E-04	3.24E-04	5.11E-04	1.85E-04
2904	609568.21	4170526.44	4.28E-03	1.90E-03	7.11E-04	3.32E-04	5.25E-04	1.90E-04
2905	609558.58	4170526.36	4.41E-03	1.96E-03	7.32E-04	3.42E-04	5.40E-04	1.96E-04
2906	609548.95	4170526.29	4.55E-03	2.03E-03	7.56E-04	3.54E-04	5.58E-04	2.02E-04
2907	609500.8	4170525.92	5.33E-03	2.37E-03	8.85E-04	4.14E-04	6.53E-04	2.36E-04
2908	609491.17	4170525.84	5.47E-03	2.44E-03	9.09E-04	4.25E-04	6.71E-04	2.43E-04

2909	609481.54	4170525.77	5.61E-03	2.50E-03	9.32E-04	4.36E-04	6.88E-04	2.49E-04
2910	609471.91	4170525.69	5.73E-03	2.55E-03	9.52E-04	4.45E-04	7.03E-04	2.54E-04
2911	609462.28	4170525.62	5.85E-03	2.60E-03	9.71E-04	4.54E-04	7.17E-04	2.59E-04
2912	609452.65	4170525.55	5.95E-03	2.65E-03	9.88E-04	4.62E-04	7.29E-04	2.64E-04
2913	609443.02	4170525.47	6.03E-03	2.68E-03	1.00E-03	4.68E-04	7.39E-04	2.68E-04
2914	609433.39	4170525.4	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
2915	609423.76	4170525.32	6.13E-03	2.73E-03	1.02E-03	4.76E-04	7.51E-04	2.72E-04
2916	609587.55	4170516.59	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.24E-04	1.54E-04
2917	609577.92	4170516.51	3.54E-03	1.57E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
2918	609568.29	4170516.44	3.63E-03	1.61E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
2919	609558.66	4170516.37	3.73E-03	1.66E-03	6.20E-04	2.90E-04	4.58E-04	1.66E-04
2920	609510.51	4170515.99	4.40E-03	1.96E-03	7.31E-04	3.42E-04	5.40E-04	1.95E-04
2921	609500.88	4170515.92	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.57E-04	2.02E-04
2922	609491.25	4170515.84	4.69E-03	2.09E-03	7.78E-04	3.64E-04	5.75E-04	2.08E-04
2923	609481.62	4170515.77	4.82E-03	2.15E-03	8.01E-04	3.75E-04	5.91E-04	2.14E-04
2924	609471.99	4170515.7	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
2925	609462.36	4170515.62	5.07E-03	2.26E-03	8.43E-04	3.94E-04	6.22E-04	2.25E-04
2926	609452.72	4170515.55	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
2927	609443.09	4170515.47	5.28E-03	2.35E-03	8.76E-04	4.10E-04	6.47E-04	2.34E-04
2928	609433.46	4170515.4	5.35E-03	2.38E-03	8.89E-04	4.16E-04	6.56E-04	2.38E-04
2929	609423.83	4170515.32	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04
2930	609587.63	4170506.59	2.97E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
2931	609578	4170506.51	3.04E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
2932	609568.37	4170506.44	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
2933	609520.22	4170506.07	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
2934	609510.59	4170505.99	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
2935	609500.95	4170505.92	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
2936	609491.32	4170505.84	4.06E-03	1.80E-03	6.74E-04	3.15E-04	4.97E-04	1.80E-04
2937	609481.69	4170505.77	4.19E-03	1.86E-03	6.96E-04	3.25E-04	5.13E-04	1.86E-04
2938	609472.06	4170505.7	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
2939	609462.43	4170505.62	4.44E-03	1.97E-03	7.37E-04	3.45E-04	5.44E-04	1.97E-04
2940	609452.8	4170505.55	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.58E-04	2.02E-04
2941	609443.17	4170505.47	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2942	609433.54	4170505.4	4.73E-03	2.11E-03	7.86E-04	3.68E-04	5.80E-04	2.10E-04
2943	609423.91	4170505.32	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
2944	609587.71	4170496.59	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2945	609539.55	4170496.22	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.62E-04	1.31E-04
2946	609529.92	4170496.14	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
2947	609520.29	4170496.07	3.17E-03	1.41E-03	5.27E-04	2.46E-04	3.89E-04	1.41E-04
2948	609510.66	4170495.99	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
2949	609501.03	4170495.92	3.42E-03	1.52E-03	5.67E-04	2.65E-04	4.19E-04	1.52E-04
2950	609491.4	4170495.84	3.54E-03	1.58E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
2951	609481.77	4170495.77	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
2952	609472.14	4170495.7	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.65E-04	1.68E-04
2953	609462.51	4170495.62	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
2954	609452.88	4170495.55	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
2955	609443.25	4170495.47	4.12E-03	1.83E-03	6.84E-04	3.20E-04	5.05E-04	1.83E-04
2956	609433.62	4170495.4	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2957	609423.99	4170495.32	4.28E-03	1.90E-03	7.10E-04	3.32E-04	5.24E-04	1.90E-04
2958	609549.26	4170486.29	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
2959	609539.63	4170486.22	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
2960	609530	4170486.14	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04

2961	609520.37	4170486.07	2.78E-03	1.24E-03	4.62E-04	2.16E-04	3.41E-04	1.23E-04
2962	609510.74	4170485.99	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
2963	609501.11	4170485.92	3.00E-03	1.34E-03	4.99E-04	2.33E-04	3.68E-04	1.33E-04
2964	609491.48	4170485.84	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
2965	609481.85	4170485.77	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.97E-04	1.44E-04
2966	609472.22	4170485.7	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.11E-04	1.49E-04
2967	609462.59	4170485.62	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.24E-04	1.54E-04
2968	609452.96	4170485.55	3.57E-03	1.59E-03	5.93E-04	2.77E-04	4.37E-04	1.58E-04
2969	609443.33	4170485.47	3.66E-03	1.63E-03	6.09E-04	2.85E-04	4.49E-04	1.63E-04
2970	609433.7	4170485.4	3.75E-03	1.67E-03	6.23E-04	2.92E-04	4.60E-04	1.67E-04
2971	609424.06	4170485.32	3.83E-03	1.70E-03	6.36E-04	2.97E-04	4.69E-04	1.70E-04
2972	609558.97	4170476.37	2.14E-03	9.53E-04	3.56E-04	1.66E-04	2.62E-04	9.50E-05
2973	609549.34	4170476.29	2.21E-03	9.82E-04	3.67E-04	1.71E-04	2.71E-04	9.80E-05
2974	609539.71	4170476.22	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
2975	609530.08	4170476.14	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
2976	609520.45	4170476.07	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2977	609510.82	4170475.99	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
2978	609501.19	4170475.92	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2979	609491.56	4170475.85	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
2980	609481.93	4170475.77	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
2981	609472.29	4170475.7	2.98E-03	1.33E-03	4.95E-04	2.32E-04	3.65E-04	1.32E-04
2982	609462.66	4170475.62	3.08E-03	1.37E-03	5.12E-04	2.40E-04	3.78E-04	1.37E-04
2983	609453.03	4170475.55	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
2984	609443.4	4170475.47	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
2985	609433.77	4170475.4	3.36E-03	1.50E-03	5.59E-04	2.61E-04	4.13E-04	1.49E-04
2986	609424.14	4170475.32	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.22E-04	1.53E-04
2987	609578.31	4170466.52	1.81E-03	8.05E-04	3.00E-04	1.41E-04	2.22E-04	8.03E-05
2988	609568.68	4170466.44	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
2989	609559.05	4170466.37	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
2990	609549.42	4170466.29	1.97E-03	8.75E-04	3.26E-04	1.53E-04	2.41E-04	8.72E-05
2991	609539.79	4170466.22	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
2992	609530.16	4170466.14	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.36E-05
2993	609520.53	4170466.07	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.72E-05
2994	609510.89	4170465.99	2.28E-03	1.01E-03	3.79E-04	1.77E-04	2.79E-04	1.01E-04
2995	609501.26	4170465.92	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
2996	609491.63	4170465.85	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.03E-04	1.10E-04
2997	609482	4170465.77	2.57E-03	1.14E-03	4.26E-04	1.99E-04	3.15E-04	1.14E-04
2998	609472.37	4170465.7	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
2999	609462.74	4170465.62	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
3000	609453.11	4170465.55	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.50E-04	1.27E-04
3001	609443.48	4170465.47	2.95E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3002	609433.85	4170465.4	3.03E-03	1.35E-03	5.03E-04	2.35E-04	3.71E-04	1.34E-04
3003	609424.22	4170465.32	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3004	609588.02	4170456.59	1.59E-03	7.06E-04	2.63E-04	1.23E-04	1.94E-04	7.04E-05
3005	609578.39	4170456.52	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
3006	609568.76	4170456.44	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05
3007	609559.12	4170456.37	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3008	609549.49	4170456.29	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
3009	609539.86	4170456.22	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
3010	609530.23	4170456.14	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
3011	609520.6	4170456.07	1.97E-03	8.75E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3012	609510.97	4170455.99	2.05E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.08E-05

3013	609501.34	4170455.92	2.13E-03	9.48E-04	3.54E-04	1.65E-04	2.61E-04	9.45E-05
3014	609491.71	4170455.85	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
3015	609482.08	4170455.77	2.31E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
3016	609472.45	4170455.7	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
3017	609462.82	4170455.62	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
3018	609453.19	4170455.55	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
3019	609443.56	4170455.47	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
3020	609433.93	4170455.4	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3021	609424.3	4170455.32	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
3022	609588.09	4170446.59	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.75E-04	6.35E-05
3023	609578.46	4170446.52	1.46E-03	6.51E-04	2.43E-04	1.14E-04	1.79E-04	6.49E-05
3024	609568.83	4170446.44	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3025	609559.2	4170446.37	1.54E-03	6.87E-04	2.57E-04	1.20E-04	1.89E-04	6.85E-05
3026	609549.57	4170446.29	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
3027	609539.94	4170446.22	1.65E-03	7.34E-04	2.74E-04	1.28E-04	2.02E-04	7.32E-05
3028	609530.31	4170446.14	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3029	609520.68	4170446.07	1.78E-03	7.90E-04	2.95E-04	1.38E-04	2.18E-04	7.88E-05
3030	609511.05	4170446	1.85E-03	8.22E-04	3.07E-04	1.44E-04	2.27E-04	8.20E-05
3031	609501.42	4170445.92	1.92E-03	8.56E-04	3.20E-04	1.49E-04	2.36E-04	8.54E-05
3032	609491.79	4170445.85	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.46E-04	8.89E-05
3033	609482.16	4170445.77	2.08E-03	9.28E-04	3.46E-04	1.62E-04	2.56E-04	9.25E-05
3034	609472.53	4170445.7	2.17E-03	9.65E-04	3.60E-04	1.68E-04	2.66E-04	9.62E-05
3035	609462.9	4170445.62	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
3036	609453.27	4170445.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
3037	609443.64	4170445.47	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3038	609434	4170445.4	2.48E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
3039	609424.37	4170445.33	2.55E-03	1.14E-03	4.24E-04	1.98E-04	3.13E-04	1.13E-04
3040	609588.17	4170436.59	1.30E-03	5.78E-04	2.16E-04	1.01E-04	1.59E-04	5.76E-05
3041	609578.54	4170436.52	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
3042	609568.91	4170436.44	1.36E-03	6.07E-04	2.26E-04	1.06E-04	1.67E-04	6.05E-05
3043	609559.28	4170436.37	1.40E-03	6.25E-04	2.33E-04	1.09E-04	1.72E-04	6.23E-05
3044	609549.65	4170436.29	1.45E-03	6.44E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
3045	609540.02	4170436.22	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
3046	609530.39	4170436.14	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3047	609520.76	4170436.07	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
3048	609511.13	4170436	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
3049	609501.5	4170435.92	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
3050	609491.87	4170435.85	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3051	609482.23	4170435.77	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
3052	609472.6	4170435.7	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
3053	609462.97	4170435.62	2.04E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.07E-05
3054	609453.34	4170435.55	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05
3055	609443.71	4170435.47	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
3056	609434.08	4170435.4	2.26E-03	1.01E-03	3.76E-04	1.76E-04	2.77E-04	1.00E-04
3057	609424.45	4170435.33	2.33E-03	1.04E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
3058	609588.4	4170406.59	1.00E-03	4.46E-04	1.67E-04	7.79E-05	1.23E-04	4.45E-05
3059	609578.77	4170406.52	1.03E-03	4.57E-04	1.71E-04	7.98E-05	1.26E-04	4.56E-05
3060	609569.14	4170406.44	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.68E-05
3061	609559.51	4170406.37	1.09E-03	4.84E-04	1.80E-04	8.44E-05	1.33E-04	4.82E-05
3062	609549.88	4170406.29	1.12E-03	4.99E-04	1.86E-04	8.71E-05	1.37E-04	4.98E-05
3063	609540.25	4170406.22	1.16E-03	5.16E-04	1.93E-04	9.01E-05	1.42E-04	5.14E-05
3064	609530.62	4170406.15	1.20E-03	5.34E-04	1.99E-04	9.33E-05	1.47E-04	5.33E-05

3065	609520.99	4170406.07	1.25E-03	5.54E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
3066	609511.36	4170406	1.29E-03	5.76E-04	2.15E-04	1.00E-04	1.59E-04	5.74E-05
3067	609501.73	4170405.92	1.34E-03	5.98E-04	2.23E-04	1.04E-04	1.65E-04	5.97E-05
3068	609492.1	4170405.85	1.40E-03	6.22E-04	2.32E-04	1.09E-04	1.71E-04	6.20E-05
3069	609482.47	4170405.77	1.45E-03	6.47E-04	2.41E-04	1.13E-04	1.78E-04	6.45E-05
3070	609472.84	4170405.7	1.51E-03	6.72E-04	2.51E-04	1.17E-04	1.85E-04	6.70E-05
3071	609463.21	4170405.62	1.57E-03	6.98E-04	2.60E-04	1.22E-04	1.92E-04	6.96E-05
3072	609453.57	4170405.55	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
3073	609443.94	4170405.48	1.68E-03	7.49E-04	2.80E-04	1.31E-04	2.06E-04	7.47E-05
3074	609434.31	4170405.4	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
3075	609424.68	4170405.33	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
3076	609588.48	4170396.59	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
3077	609578.85	4170396.52	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
3078	609569.22	4170396.44	9.77E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.34E-05
3079	609559.59	4170396.37	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
3080	609549.96	4170396.29	1.04E-03	4.62E-04	1.72E-04	8.07E-05	1.27E-04	4.61E-05
3081	609540.33	4170396.22	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
3082	609530.7	4170396.15	1.11E-03	4.94E-04	1.85E-04	8.63E-05	1.36E-04	4.93E-05
3083	609521.07	4170396.07	1.15E-03	5.13E-04	1.91E-04	8.95E-05	1.41E-04	5.11E-05
3084	609511.44	4170396	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3085	609501.8	4170395.92	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
3086	609492.17	4170395.85	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
3087	609482.54	4170395.77	1.34E-03	5.97E-04	2.23E-04	1.04E-04	1.64E-04	5.95E-05
3088	609472.91	4170395.7	1.39E-03	6.20E-04	2.31E-04	1.08E-04	1.71E-04	6.18E-05
3089	609463.28	4170395.62	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
3090	609453.65	4170395.55	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
3091	609444.02	4170395.48	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3092	609434.39	4170395.4	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
3093	609424.76	4170395.33	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
3094	609588.56	4170386.59	8.63E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
3095	609578.93	4170386.52	8.85E-04	3.94E-04	1.47E-04	6.87E-05	1.08E-04	3.93E-05
3096	609569.3	4170386.44	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
3097	609559.67	4170386.37	9.36E-04	4.16E-04	1.55E-04	7.27E-05	1.15E-04	4.15E-05
3098	609550.04	4170386.29	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.28E-05
3099	609540.4	4170386.22	9.97E-04	4.44E-04	1.66E-04	7.75E-05	1.22E-04	4.43E-05
3100	609530.77	4170386.15	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.27E-04	4.58E-05
3101	609521.14	4170386.07	1.07E-03	4.76E-04	1.78E-04	8.31E-05	1.31E-04	4.75E-05
3102	609511.51	4170386	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
3103	609501.88	4170385.92	1.15E-03	5.12E-04	1.91E-04	8.95E-05	1.41E-04	5.11E-05
3104	609492.25	4170385.85	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3105	609482.62	4170385.77	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
3106	609472.99	4170385.7	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.72E-05
3107	609463.36	4170385.62	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
3108	609453.73	4170385.55	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
3109	609444.1	4170385.48	1.44E-03	6.39E-04	2.38E-04	1.12E-04	1.76E-04	6.37E-05
3110	609434.47	4170385.4	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
3111	609424.84	4170385.33	1.53E-03	6.81E-04	2.54E-04	1.19E-04	1.88E-04	6.79E-05
3112	609588.63	4170376.59	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
3113	609579	4170376.52	8.25E-04	3.67E-04	1.37E-04	6.41E-05	1.01E-04	3.66E-05
3114	609569.37	4170376.44	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
3115	609559.74	4170376.37	8.73E-04	3.89E-04	1.45E-04	6.78E-05	1.07E-04	3.87E-05
3116	609550.11	4170376.29	9.00E-04	4.01E-04	1.50E-04	6.99E-05	1.10E-04	4.00E-05

3117	609540.48	4170376.22	9.30E-04	4.14E-04	1.54E-04	7.22E-05	1.14E-04	4.13E-05
3118	609530.85	4170376.15	9.62E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.27E-05
3119	609521.22	4170376.07	9.96E-04	4.43E-04	1.65E-04	7.74E-05	1.22E-04	4.42E-05
3120	609511.59	4170376	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.27E-04	4.58E-05
3121	609501.96	4170375.92	1.07E-03	4.77E-04	1.78E-04	8.32E-05	1.31E-04	4.75E-05
3122	609492.33	4170375.85	1.11E-03	4.94E-04	1.85E-04	8.63E-05	1.36E-04	4.93E-05
3123	609482.7	4170375.77	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
3124	609473.07	4170375.7	1.20E-03	5.33E-04	1.99E-04	9.30E-05	1.47E-04	5.31E-05
3125	609463.44	4170375.62	1.24E-03	5.52E-04	2.06E-04	9.64E-05	1.52E-04	5.51E-05
3126	609453.81	4170375.55	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
3127	609444.18	4170375.48	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
3128	609434.55	4170375.4	1.37E-03	6.12E-04	2.28E-04	1.07E-04	1.69E-04	6.10E-05
3129	609424.92	4170375.33	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3130	609588.71	4170366.59	7.53E-04	3.35E-04	1.25E-04	5.85E-05	9.23E-05	3.34E-05
3131	609579.08	4170366.52	7.72E-04	3.44E-04	1.28E-04	6.00E-05	9.47E-05	3.43E-05
3132	609569.45	4170366.44	7.94E-04	3.53E-04	1.32E-04	6.17E-05	9.73E-05	3.52E-05
3133	609559.82	4170366.37	8.17E-04	3.64E-04	1.36E-04	6.35E-05	1.00E-04	3.63E-05
3134	609550.19	4170366.3	8.42E-04	3.75E-04	1.40E-04	6.54E-05	1.03E-04	3.74E-05
3135	609540.56	4170366.22	8.69E-04	3.87E-04	1.44E-04	6.76E-05	1.07E-04	3.86E-05
3136	609530.93	4170366.15	8.99E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
3137	609521.3	4170366.07	9.30E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
3138	609511.67	4170366	9.64E-04	4.29E-04	1.60E-04	7.49E-05	1.18E-04	4.28E-05
3139	609502.04	4170365.92	9.99E-04	4.44E-04	1.66E-04	7.76E-05	1.22E-04	4.43E-05
3140	609492.41	4170365.85	1.04E-03	4.61E-04	1.72E-04	8.05E-05	1.27E-04	4.60E-05
3141	609482.78	4170365.77	1.07E-03	4.78E-04	1.78E-04	8.35E-05	1.32E-04	4.77E-05
3142	609473.15	4170365.7	1.11E-03	4.96E-04	1.85E-04	8.65E-05	1.37E-04	4.94E-05
3143	609463.51	4170365.63	1.15E-03	5.14E-04	1.92E-04	8.97E-05	1.42E-04	5.12E-05
3144	609453.88	4170365.55	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3145	609444.25	4170365.48	1.24E-03	5.51E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
3146	609434.62	4170365.4	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
3147	609424.99	4170365.33	1.32E-03	5.87E-04	2.19E-04	1.02E-04	1.62E-04	5.85E-05
3148	609588.79	4170356.59	7.07E-04	3.15E-04	1.17E-04	5.49E-05	8.67E-05	3.14E-05
3149	609579.16	4170356.52	7.25E-04	3.23E-04	1.20E-04	5.63E-05	8.89E-05	3.22E-05
3150	609569.53	4170356.44	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.13E-05	3.31E-05
3151	609559.9	4170356.37	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
3152	609550.27	4170356.3	7.90E-04	3.52E-04	1.31E-04	6.14E-05	9.69E-05	3.51E-05
3153	609540.64	4170356.22	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
3154	609531.01	4170356.15	8.42E-04	3.75E-04	1.40E-04	6.55E-05	1.03E-04	3.74E-05
3155	609521.38	4170356.07	8.71E-04	3.88E-04	1.45E-04	6.77E-05	1.07E-04	3.87E-05
3156	609511.74	4170356	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
3157	609502.11	4170355.92	9.34E-04	4.16E-04	1.55E-04	7.26E-05	1.15E-04	4.15E-05
3158	609492.48	4170355.85	9.68E-04	4.31E-04	1.61E-04	7.52E-05	1.19E-04	4.30E-05
3159	609482.85	4170355.77	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.45E-05
3160	609473.22	4170355.7	1.04E-03	4.63E-04	1.73E-04	8.08E-05	1.27E-04	4.61E-05
3161	609463.59	4170355.63	1.08E-03	4.79E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
3162	609453.96	4170355.55	1.11E-03	4.96E-04	1.85E-04	8.66E-05	1.37E-04	4.95E-05
3163	609444.33	4170355.48	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
3164	609434.7	4170355.4	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.29E-05
3165	609425.07	4170355.33	1.23E-03	5.47E-04	2.04E-04	9.54E-05	1.51E-04	5.45E-05
3166	609588.87	4170346.59	6.65E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.95E-05
3167	609579.24	4170346.52	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
3168	609569.61	4170346.44	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.60E-05	3.11E-05

3169	609559.97	4170346.37	7.21E-04	3.21E-04	1.20E-04	5.61E-05	8.85E-05	3.20E-05
3170	609550.34	4170346.3	7.43E-04	3.31E-04	1.23E-04	5.78E-05	9.11E-05	3.30E-05
3171	609540.71	4170346.22	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
3172	609531.08	4170346.15	7.92E-04	3.52E-04	1.32E-04	6.15E-05	9.71E-05	3.51E-05
3173	609521.45	4170346.07	8.18E-04	3.64E-04	1.36E-04	6.36E-05	1.00E-04	3.63E-05
3174	609511.82	4170346	8.47E-04	3.77E-04	1.41E-04	6.58E-05	1.04E-04	3.76E-05
3175	609502.19	4170345.92	8.76E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
3176	609492.56	4170345.85	9.07E-04	4.04E-04	1.51E-04	7.05E-05	1.11E-04	4.03E-05
3177	609482.93	4170345.77	9.40E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
3178	609473.3	4170345.7	9.73E-04	4.33E-04	1.62E-04	7.56E-05	1.19E-04	4.32E-05
3179	609463.67	4170345.63	1.01E-03	4.48E-04	1.67E-04	7.83E-05	1.23E-04	4.47E-05
3180	609454.04	4170345.55	1.04E-03	4.64E-04	1.73E-04	8.10E-05	1.28E-04	4.63E-05
3181	609444.41	4170345.48	1.08E-03	4.79E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
3182	609434.78	4170345.4	1.11E-03	4.95E-04	1.85E-04	8.64E-05	1.36E-04	4.94E-05
3183	609425.15	4170345.33	1.15E-03	5.10E-04	1.91E-04	8.91E-05	1.41E-04	5.09E-05
3184	609588.94	4170336.59	6.28E-04	2.79E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
3185	609579.31	4170336.52	6.44E-04	2.87E-04	1.07E-04	5.00E-05	7.90E-05	2.86E-05
3186	609569.68	4170336.45	6.62E-04	2.94E-04	1.10E-04	5.14E-05	8.11E-05	2.94E-05
3187	609560.05	4170336.37	6.80E-04	3.03E-04	1.13E-04	5.29E-05	8.34E-05	3.02E-05
3188	609550.42	4170336.3	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.59E-05	3.11E-05
3189	609540.79	4170336.22	7.23E-04	3.22E-04	1.20E-04	5.61E-05	8.86E-05	3.21E-05
3190	609531.16	4170336.15	7.46E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
3191	609521.53	4170336.07	7.70E-04	3.43E-04	1.28E-04	5.99E-05	9.45E-05	3.42E-05
3192	609511.9	4170336	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.77E-05	3.54E-05
3193	609502.27	4170335.92	8.24E-04	3.67E-04	1.37E-04	6.40E-05	1.01E-04	3.66E-05
3194	609492.64	4170335.85	8.52E-04	3.79E-04	1.42E-04	6.62E-05	1.05E-04	3.78E-05
3195	609483.01	4170335.78	8.82E-04	3.93E-04	1.47E-04	6.85E-05	1.08E-04	3.92E-05
3196	609473.38	4170335.7	9.13E-04	4.06E-04	1.52E-04	7.09E-05	1.12E-04	4.05E-05
3197	609463.75	4170335.63	9.44E-04	4.20E-04	1.57E-04	7.34E-05	1.16E-04	4.19E-05
3198	609454.12	4170335.55	9.76E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.33E-05
3199	609444.49	4170335.48	1.01E-03	4.49E-04	1.68E-04	7.84E-05	1.24E-04	4.48E-05
3200	609434.85	4170335.4	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
3201	609425.22	4170335.33	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
3202	609589.02	4170326.59	5.94E-04	2.64E-04	9.87E-05	4.61E-05	7.28E-05	2.64E-05
3203	609579.39	4170326.52	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.47E-05	2.70E-05
3204	609569.76	4170326.45	6.26E-04	2.78E-04	1.04E-04	4.86E-05	7.67E-05	2.78E-05
3205	609560.13	4170326.37	6.43E-04	2.86E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
3206	609550.5	4170326.3	6.62E-04	2.95E-04	1.10E-04	5.15E-05	8.12E-05	2.94E-05
3207	609540.87	4170326.22	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
3208	609531.24	4170326.15	7.04E-04	3.13E-04	1.17E-04	5.47E-05	8.63E-05	3.13E-05
3209	609521.61	4170326.07	7.27E-04	3.24E-04	1.21E-04	5.65E-05	8.91E-05	3.23E-05
3210	609511.98	4170326	7.51E-04	3.34E-04	1.25E-04	5.84E-05	9.21E-05	3.33E-05
3211	609502.35	4170325.92	7.76E-04	3.45E-04	1.29E-04	6.03E-05	9.52E-05	3.45E-05
3212	609492.72	4170325.85	8.03E-04	3.57E-04	1.33E-04	6.24E-05	9.84E-05	3.56E-05
3213	609483.08	4170325.78	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
3214	609473.45	4170325.7	8.58E-04	3.82E-04	1.43E-04	6.67E-05	1.05E-04	3.81E-05
3215	609463.82	4170325.63	8.87E-04	3.95E-04	1.47E-04	6.89E-05	1.09E-04	3.94E-05
3216	609454.19	4170325.55	9.17E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
3217	609444.56	4170325.48	9.47E-04	4.21E-04	1.57E-04	7.36E-05	1.16E-04	4.20E-05
3218	609434.93	4170325.4	9.77E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.34E-05
3219	609425.3	4170325.33	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
3220	609589.1	4170316.59	5.63E-04	2.51E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05

3221	609579.47	4170316.52	5.77E-04	2.57E-04	9.59E-05	4.49E-05	7.08E-05	2.56E-05
3222	609569.84	4170316.45	5.93E-04	2.64E-04	9.85E-05	4.61E-05	7.27E-05	2.63E-05
3223	609560.21	4170316.37	6.09E-04	2.71E-04	1.01E-04	4.74E-05	7.47E-05	2.70E-05
3224	609550.58	4170316.3	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.69E-05	2.78E-05
3225	609540.95	4170316.22	6.46E-04	2.88E-04	1.07E-04	5.02E-05	7.92E-05	2.87E-05
3226	609531.32	4170316.15	6.66E-04	2.96E-04	1.11E-04	5.18E-05	8.17E-05	2.96E-05
3227	609521.68	4170316.07	6.87E-04	3.06E-04	1.14E-04	5.34E-05	8.43E-05	3.05E-05
3228	609512.05	4170316	7.10E-04	3.16E-04	1.18E-04	5.51E-05	8.70E-05	3.15E-05
3229	609502.42	4170315.92	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
3230	609492.79	4170315.85	7.57E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
3231	609483.16	4170315.78	7.83E-04	3.48E-04	1.30E-04	6.08E-05	9.60E-05	3.47E-05
3232	609473.53	4170315.7	8.09E-04	3.60E-04	1.34E-04	6.28E-05	9.92E-05	3.59E-05
3233	609463.9	4170315.63	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
3234	609454.27	4170315.55	8.63E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
3235	609444.64	4170315.48	8.90E-04	3.96E-04	1.48E-04	6.92E-05	1.09E-04	3.95E-05
3236	609435.01	4170315.4	9.18E-04	4.09E-04	1.53E-04	7.13E-05	1.13E-04	4.08E-05
3237	609425.38	4170315.33	9.46E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
3238	609589.18	4170306.59	5.35E-04	2.38E-04	8.88E-05	4.15E-05	6.56E-05	2.37E-05
3239	609579.55	4170306.52	5.48E-04	2.44E-04	9.11E-05	4.26E-05	6.72E-05	2.43E-05
3240	609569.91	4170306.45	5.63E-04	2.50E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05
3241	609560.28	4170306.37	5.78E-04	2.57E-04	9.61E-05	4.49E-05	7.09E-05	2.57E-05
3242	609550.65	4170306.3	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.30E-05	2.64E-05
3243	609541.02	4170306.22	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.51E-05	2.72E-05
3244	609531.39	4170306.15	6.31E-04	2.81E-04	1.05E-04	4.91E-05	7.74E-05	2.80E-05
3245	609521.76	4170306.07	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.98E-05	2.89E-05
3246	609512.13	4170306	6.72E-04	2.99E-04	1.12E-04	5.22E-05	8.24E-05	2.98E-05
3247	609502.5	4170305.92	6.94E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05
3248	609492.87	4170305.85	7.16E-04	3.19E-04	1.19E-04	5.56E-05	8.78E-05	3.18E-05
3249	609483.24	4170305.78	7.40E-04	3.29E-04	1.23E-04	5.75E-05	9.07E-05	3.28E-05
3250	609473.61	4170305.7	7.64E-04	3.40E-04	1.27E-04	5.93E-05	9.36E-05	3.39E-05
3251	609463.98	4170305.63	7.88E-04	3.51E-04	1.31E-04	6.13E-05	9.67E-05	3.50E-05
3252	609454.35	4170305.55	8.13E-04	3.62E-04	1.35E-04	6.32E-05	9.97E-05	3.61E-05
3253	609444.72	4170305.48	8.39E-04	3.73E-04	1.39E-04	6.52E-05	1.03E-04	3.72E-05
3254	609435.09	4170305.4	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
3255	609425.46	4170305.33	8.91E-04	3.96E-04	1.48E-04	6.92E-05	1.09E-04	3.95E-05
3256	609410.88	4170589.52	1.61E-02	7.17E-03	2.68E-03	1.25E-03	1.97E-03	7.15E-04
3257	609397.01	4170597.56	1.70E-02	7.57E-03	2.83E-03	1.32E-03	2.09E-03	7.55E-04
3258	609389.35	4170603.51	1.76E-02	7.81E-03	2.92E-03	1.36E-03	2.15E-03	7.79E-04
3259	609381.69	4170609.45	1.78E-02	7.91E-03	2.95E-03	1.38E-03	2.18E-03	7.89E-04
3260	609374.03	4170615.4	1.77E-02	7.89E-03	2.95E-03	1.38E-03	2.17E-03	7.87E-04
3261	609366.37	4170621.34	1.75E-02	7.78E-03	2.90E-03	1.36E-03	2.14E-03	7.76E-04
3262	609358.71	4170627.28	1.71E-02	7.60E-03	2.84E-03	1.33E-03	2.09E-03	7.58E-04
3263	609320.41	4170657	1.28E-02	5.71E-03	2.13E-03	9.96E-04	1.57E-03	5.69E-04
3264	609312.76	4170662.95	1.16E-02	5.17E-03	1.93E-03	9.02E-04	1.42E-03	5.15E-04
3265	609305.1	4170668.89	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.54E-04
3266	609297.44	4170674.84	8.70E-03	3.87E-03	1.45E-03	6.76E-04	1.07E-03	3.86E-04
3267	609289.78	4170680.78	7.19E-03	3.20E-03	1.19E-03	5.59E-04	8.82E-04	3.19E-04
3268	609406.81	4170580.92	1.35E-02	6.00E-03	2.24E-03	1.05E-03	1.65E-03	5.98E-04
3269	609390.88	4170589.66	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.30E-04
3270	609383.22	4170595.61	1.46E-02	6.50E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
3271	609375.56	4170601.55	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.58E-04
3272	609367.9	4170607.5	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04

3273	609360.24	4170613.44	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
3274	609352.58	4170619.38	1.43E-02	6.37E-03	2.38E-03	1.11E-03	1.75E-03	6.35E-04
3275	609344.92	4170625.33	1.38E-02	6.15E-03	2.30E-03	1.07E-03	1.69E-03	6.14E-04
3276	609306.62	4170655.05	9.88E-03	4.40E-03	1.64E-03	7.67E-04	1.21E-03	4.38E-04
3277	609298.97	4170660.99	8.78E-03	3.91E-03	1.46E-03	6.82E-04	1.08E-03	3.90E-04
3278	609291.31	4170666.94	7.62E-03	3.39E-03	1.27E-03	5.92E-04	9.34E-04	3.38E-04
3279	609283.65	4170672.88	6.46E-03	2.88E-03	1.07E-03	5.02E-04	7.92E-04	2.87E-04
3280	609400.17	4170573.19	1.16E-02	5.14E-03	1.92E-03	8.98E-04	1.42E-03	5.13E-04
3281	609384.75	4170581.76	1.21E-02	5.39E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
3282	609377.09	4170587.71	1.24E-02	5.54E-03	2.07E-03	9.67E-04	1.53E-03	5.52E-04
3283	609369.43	4170593.65	1.26E-02	5.62E-03	2.10E-03	9.81E-04	1.55E-03	5.60E-04
3284	609361.77	4170599.6	1.26E-02	5.62E-03	2.10E-03	9.82E-04	1.55E-03	5.61E-04
3285	609354.11	4170605.54	1.25E-02	5.57E-03	2.08E-03	9.72E-04	1.53E-03	5.55E-04
3286	609346.45	4170611.48	1.22E-02	5.44E-03	2.03E-03	9.50E-04	1.50E-03	5.43E-04
3287	609338.79	4170617.43	1.18E-02	5.27E-03	1.97E-03	9.20E-04	1.45E-03	5.25E-04
3288	609331.13	4170623.37	1.13E-02	5.05E-03	1.88E-03	8.82E-04	1.39E-03	5.04E-04
3289	609300.49	4170647.15	8.59E-03	3.82E-03	1.43E-03	6.68E-04	1.05E-03	3.81E-04
3290	609292.83	4170653.09	7.71E-03	3.43E-03	1.28E-03	5.99E-04	9.45E-04	3.42E-04
3291	609285.17	4170659.04	6.78E-03	3.02E-03	1.13E-03	5.27E-04	8.31E-04	3.01E-04
3292	609277.52	4170664.98	5.86E-03	2.61E-03	9.74E-04	4.55E-04	7.19E-04	2.60E-04
3293	609393.72	4170565.4	1.01E-02	4.48E-03	1.67E-03	7.82E-04	1.23E-03	4.47E-04
3294	609378.62	4170573.86	1.05E-02	4.67E-03	1.74E-03	8.16E-04	1.29E-03	4.66E-04
3295	609370.96	4170579.81	1.08E-02	4.80E-03	1.79E-03	8.38E-04	1.32E-03	4.79E-04
3296	609363.3	4170585.75	1.09E-02	4.87E-03	1.82E-03	8.49E-04	1.34E-03	4.85E-04
3297	609355.64	4170591.7	1.10E-02	4.88E-03	1.82E-03	8.51E-04	1.34E-03	4.86E-04
3298	609347.98	4170597.64	1.09E-02	4.83E-03	1.80E-03	8.43E-04	1.33E-03	4.82E-04
3299	609340.32	4170603.58	1.06E-02	4.73E-03	1.77E-03	8.26E-04	1.30E-03	4.72E-04
3300	609332.66	4170609.53	1.03E-02	4.59E-03	1.71E-03	8.01E-04	1.26E-03	4.58E-04
3301	609325	4170615.47	9.89E-03	4.40E-03	1.64E-03	7.69E-04	1.21E-03	4.39E-04
3302	609286.7	4170645.19	6.87E-03	3.06E-03	1.14E-03	5.33E-04	8.42E-04	3.05E-04
3303	609279.04	4170651.14	6.11E-03	2.72E-03	1.01E-03	4.75E-04	7.49E-04	2.71E-04
3304	609271.38	4170657.08	5.36E-03	2.39E-03	8.90E-04	4.16E-04	6.57E-04	2.38E-04
3305	609388.84	4170557.08	8.86E-03	3.94E-03	1.47E-03	6.89E-04	1.09E-03	3.93E-04
3306	609414.91	4170548.26	8.31E-03	3.70E-03	1.38E-03	6.45E-04	1.02E-03	3.69E-04
3307	609380.14	4170560.02	8.91E-03	3.96E-03	1.48E-03	6.92E-04	1.09E-03	3.95E-04
3308	609372.48	4170565.96	9.23E-03	4.11E-03	1.53E-03	7.17E-04	1.13E-03	4.10E-04
3309	609364.83	4170571.91	9.46E-03	4.21E-03	1.57E-03	7.35E-04	1.16E-03	4.20E-04
3310	609357.17	4170577.85	9.59E-03	4.27E-03	1.59E-03	7.45E-04	1.18E-03	4.26E-04
3311	609349.51	4170583.79	9.62E-03	4.28E-03	1.60E-03	7.47E-04	1.18E-03	4.27E-04
3312	609341.85	4170589.74	9.54E-03	4.25E-03	1.58E-03	7.41E-04	1.17E-03	4.23E-04
3313	609334.19	4170595.68	9.37E-03	4.17E-03	1.56E-03	7.28E-04	1.15E-03	4.16E-04
3314	609326.53	4170601.63	9.10E-03	4.05E-03	1.51E-03	7.07E-04	1.12E-03	4.04E-04
3315	609318.87	4170607.57	8.76E-03	3.90E-03	1.45E-03	6.81E-04	1.07E-03	3.89E-04
3316	609311.21	4170613.51	8.35E-03	3.72E-03	1.39E-03	6.49E-04	1.02E-03	3.71E-04
3317	609280.57	4170637.29	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.59E-04	2.75E-04
3318	609272.91	4170643.23	5.56E-03	2.47E-03	9.24E-04	4.32E-04	6.82E-04	2.47E-04
3319	609265.25	4170649.18	4.93E-03	2.20E-03	8.20E-04	3.83E-04	6.05E-04	2.19E-04
3320	609398.85	4170543.72	7.66E-03	3.41E-03	1.27E-03	5.95E-04	9.39E-04	3.40E-04
3321	609366.35	4170558.06	8.20E-03	3.65E-03	1.36E-03	6.37E-04	1.01E-03	3.64E-04
3322	609358.69	4170564.01	8.39E-03	3.74E-03	1.39E-03	6.52E-04	1.03E-03	3.73E-04
3323	609351.03	4170569.95	8.50E-03	3.79E-03	1.41E-03	6.61E-04	1.04E-03	3.77E-04
3324	609343.38	4170575.89	8.53E-03	3.80E-03	1.42E-03	6.63E-04	1.05E-03	3.79E-04

3325	609335.72	4170581.84	8.47E-03	3.77E-03	1.41E-03	6.58E-04	1.04E-03	3.76E-04
3326	609328.06	4170587.78	8.33E-03	3.71E-03	1.38E-03	6.47E-04	1.02E-03	3.70E-04
3327	609320.4	4170593.73	8.11E-03	3.61E-03	1.35E-03	6.30E-04	9.95E-04	3.60E-04
3328	609312.74	4170599.67	7.82E-03	3.48E-03	1.30E-03	6.08E-04	9.59E-04	3.47E-04
3329	609305.08	4170605.61	7.48E-03	3.33E-03	1.24E-03	5.81E-04	9.17E-04	3.32E-04
3330	609297.42	4170611.56	7.08E-03	3.15E-03	1.18E-03	5.50E-04	8.68E-04	3.14E-04
3331	609266.78	4170635.33	5.10E-03	2.27E-03	8.47E-04	3.96E-04	6.25E-04	2.26E-04
3332	609259.12	4170641.28	4.57E-03	2.03E-03	7.59E-04	3.55E-04	5.60E-04	2.03E-04
3333	609391.83	4170536.12	6.90E-03	3.07E-03	1.15E-03	5.36E-04	8.46E-04	3.06E-04
3334	609407.79	4170530.72	6.57E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.91E-04
3335	609360.22	4170550.16	7.34E-03	3.27E-03	1.22E-03	5.71E-04	9.00E-04	3.26E-04
3336	609352.56	4170556.11	7.51E-03	3.34E-03	1.25E-03	5.84E-04	9.21E-04	3.33E-04
3337	609344.9	4170562.05	7.61E-03	3.39E-03	1.26E-03	5.91E-04	9.33E-04	3.38E-04
3338	609337.24	4170567.99	7.63E-03	3.40E-03	1.27E-03	5.93E-04	9.36E-04	3.39E-04
3339	609329.59	4170573.94	7.58E-03	3.38E-03	1.26E-03	5.89E-04	9.30E-04	3.37E-04
3340	609321.93	4170579.88	7.47E-03	3.32E-03	1.24E-03	5.80E-04	9.16E-04	3.32E-04
3341	609314.27	4170585.83	7.29E-03	3.24E-03	1.21E-03	5.66E-04	8.93E-04	3.23E-04
3342	609306.61	4170591.77	7.04E-03	3.13E-03	1.17E-03	5.47E-04	8.63E-04	3.12E-04
3343	609298.95	4170597.71	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.27E-04	2.99E-04
3344	609291.29	4170603.66	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.85E-04	2.84E-04
3345	609260.65	4170627.43	4.71E-03	2.09E-03	7.82E-04	3.66E-04	5.77E-04	2.09E-04
3346	609252.99	4170633.38	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
3347	609379.49	4170530.32	6.33E-03	2.82E-03	1.05E-03	4.91E-04	7.76E-04	2.81E-04
3348	609388.36	4170527.32	6.21E-03	2.76E-03	1.03E-03	4.82E-04	7.61E-04	2.75E-04
3349	609397.23	4170524.32	6.05E-03	2.69E-03	1.00E-03	4.70E-04	7.42E-04	2.69E-04
3350	609406.1	4170521.32	5.86E-03	2.61E-03	9.73E-04	4.55E-04	7.18E-04	2.60E-04
3351	609414.96	4170518.32	5.64E-03	2.51E-03	9.37E-04	4.39E-04	6.92E-04	2.50E-04
3352	609354.09	4170542.26	6.63E-03	2.95E-03	1.10E-03	5.15E-04	8.12E-04	2.94E-04
3353	609346.43	4170548.21	6.77E-03	3.01E-03	1.12E-03	5.26E-04	8.30E-04	3.00E-04
3354	609338.77	4170554.15	6.85E-03	3.05E-03	1.14E-03	5.32E-04	8.40E-04	3.04E-04
3355	609331.11	4170560.09	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
3356	609323.45	4170566.04	6.84E-03	3.04E-03	1.14E-03	5.31E-04	8.38E-04	3.04E-04
3357	609315.8	4170571.98	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.26E-04	2.99E-04
3358	609308.14	4170577.93	6.58E-03	2.93E-03	1.09E-03	5.11E-04	8.07E-04	2.92E-04
3359	609300.48	4170583.87	6.37E-03	2.84E-03	1.06E-03	4.95E-04	7.81E-04	2.83E-04
3360	609292.82	4170589.81	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.72E-04
3361	609285.16	4170595.76	5.83E-03	2.59E-03	9.68E-04	4.53E-04	7.14E-04	2.59E-04
3362	609277.5	4170601.7	5.50E-03	2.45E-03	9.13E-04	4.27E-04	6.74E-04	2.44E-04
3363	609246.86	4170625.48	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
3364	609364.16	4170525.53	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.14E-04	2.58E-04
3365	609381.23	4170519.76	5.66E-03	2.52E-03	9.41E-04	4.40E-04	6.95E-04	2.51E-04
3366	609389.77	4170516.87	5.54E-03	2.46E-03	9.20E-04	4.30E-04	6.79E-04	2.46E-04
3367	609406.84	4170511.1	5.21E-03	2.32E-03	8.65E-04	4.04E-04	6.38E-04	2.31E-04
3368	609340.3	4170540.31	6.14E-03	2.73E-03	1.02E-03	4.77E-04	7.52E-04	2.72E-04
3369	609332.64	4170546.25	6.21E-03	2.76E-03	1.03E-03	4.83E-04	7.62E-04	2.76E-04
3370	609324.98	4170552.19	6.23E-03	2.77E-03	1.04E-03	4.84E-04	7.64E-04	2.77E-04
3371	609317.32	4170558.14	6.20E-03	2.76E-03	1.03E-03	4.82E-04	7.60E-04	2.75E-04
3372	609309.66	4170564.08	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.71E-04
3373	609302	4170570.03	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.34E-04	2.66E-04
3374	609294.35	4170575.97	5.80E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
3375	609286.69	4170581.91	5.59E-03	2.49E-03	9.28E-04	4.34E-04	6.85E-04	2.48E-04
3376	609279.03	4170587.86	5.33E-03	2.37E-03	8.86E-04	4.15E-04	6.54E-04	2.37E-04

3377	609271.37	4170593.8	5.05E-03	2.25E-03	8.39E-04	3.92E-04	6.19E-04	2.24E-04
3378	609263.71	4170599.75	4.74E-03	2.11E-03	7.87E-04	3.68E-04	5.81E-04	2.10E-04
3379	609240.73	4170617.58	3.72E-03	1.66E-03	6.18E-04	2.89E-04	4.56E-04	1.65E-04
3380	609357.77	4170517.72	5.32E-03	2.37E-03	8.84E-04	4.13E-04	6.52E-04	2.36E-04
3381	609374.32	4170512.12	5.19E-03	2.31E-03	8.62E-04	4.03E-04	6.37E-04	2.30E-04
3382	609390.88	4170506.52	4.96E-03	2.21E-03	8.24E-04	3.85E-04	6.08E-04	2.20E-04
3383	609407.43	4170500.92	4.64E-03	2.07E-03	7.72E-04	3.61E-04	5.69E-04	2.06E-04
3384	609326.51	4170538.35	5.66E-03	2.52E-03	9.40E-04	4.40E-04	6.94E-04	2.51E-04
3385	609318.85	4170544.29	5.68E-03	2.53E-03	9.44E-04	4.41E-04	6.96E-04	2.52E-04
3386	609311.19	4170550.24	5.65E-03	2.52E-03	9.39E-04	4.39E-04	6.93E-04	2.51E-04
3387	609303.53	4170556.18	5.58E-03	2.48E-03	9.27E-04	4.34E-04	6.84E-04	2.48E-04
3388	609295.87	4170562.13	5.47E-03	2.43E-03	9.08E-04	4.25E-04	6.70E-04	2.43E-04
3389	609288.21	4170568.07	5.32E-03	2.37E-03	8.83E-04	4.13E-04	6.52E-04	2.36E-04
3390	609280.56	4170574.01	5.13E-03	2.28E-03	8.52E-04	3.98E-04	6.29E-04	2.28E-04
3391	609272.9	4170579.96	4.91E-03	2.18E-03	8.15E-04	3.81E-04	6.02E-04	2.18E-04
3392	609265.24	4170585.9	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.71E-04	2.07E-04
3393	609257.58	4170591.85	4.39E-03	1.95E-03	7.29E-04	3.41E-04	5.38E-04	1.95E-04
3394	609352.33	4170509.59	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
3395	609361.29	4170506.55	4.83E-03	2.15E-03	8.02E-04	3.75E-04	5.92E-04	2.14E-04
3396	609370.26	4170503.52	4.75E-03	2.11E-03	7.89E-04	3.69E-04	5.82E-04	2.11E-04
3397	609379.23	4170500.49	4.64E-03	2.07E-03	7.71E-04	3.61E-04	5.69E-04	2.06E-04
3398	609388.2	4170497.45	4.51E-03	2.01E-03	7.50E-04	3.51E-04	5.53E-04	2.00E-04
3399	609397.16	4170494.42	4.36E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
3400	609406.13	4170491.39	4.20E-03	1.87E-03	6.97E-04	3.26E-04	5.15E-04	1.86E-04
3401	609415.1	4170488.36	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.93E-04	1.78E-04
3402	609343.36	4170512.62	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
3403	609335.7	4170518.56	5.03E-03	2.24E-03	8.36E-04	3.91E-04	6.17E-04	2.23E-04
3404	609320.38	4170530.45	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.36E-04	2.30E-04
3405	609312.72	4170536.39	5.20E-03	2.31E-03	8.64E-04	4.04E-04	6.38E-04	2.31E-04
3406	609305.06	4170542.34	5.18E-03	2.31E-03	8.60E-04	4.02E-04	6.35E-04	2.30E-04
3407	609297.4	4170548.28	5.12E-03	2.28E-03	8.50E-04	3.98E-04	6.28E-04	2.27E-04
3408	609289.74	4170554.23	5.02E-03	2.23E-03	8.34E-04	3.90E-04	6.16E-04	2.23E-04
3409	609282.08	4170560.17	4.89E-03	2.18E-03	8.12E-04	3.80E-04	6.00E-04	2.17E-04
3410	609274.42	4170566.11	4.73E-03	2.10E-03	7.85E-04	3.67E-04	5.80E-04	2.10E-04
3411	609266.77	4170572.06	4.54E-03	2.02E-03	7.53E-04	3.52E-04	5.56E-04	2.01E-04
3412	609259.11	4170578	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
3413	609345.92	4170501.78	4.50E-03	2.00E-03	7.47E-04	3.50E-04	5.52E-04	2.00E-04
3414	609354.61	4170498.84	4.46E-03	1.98E-03	7.40E-04	3.46E-04	5.46E-04	1.98E-04
3415	609363.3	4170495.9	4.39E-03	1.95E-03	7.29E-04	3.41E-04	5.38E-04	1.95E-04
3416	609371.99	4170492.96	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
3417	609380.68	4170490.02	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
3418	609389.38	4170487.08	4.07E-03	1.81E-03	6.75E-04	3.16E-04	4.99E-04	1.80E-04
3419	609398.07	4170484.14	3.93E-03	1.75E-03	6.52E-04	3.05E-04	4.81E-04	1.74E-04
3420	609406.76	4170481.2	3.77E-03	1.68E-03	6.27E-04	2.93E-04	4.62E-04	1.67E-04
3421	609415.45	4170478.26	3.61E-03	1.61E-03	6.00E-04	2.80E-04	4.43E-04	1.60E-04
3422	609337.23	4170504.72	4.52E-03	2.01E-03	7.50E-04	3.51E-04	5.54E-04	2.00E-04
3423	609329.57	4170510.66	4.63E-03	2.06E-03	7.69E-04	3.60E-04	5.68E-04	2.06E-04
3424	609306.59	4170528.49	4.78E-03	2.13E-03	7.94E-04	3.72E-04	5.86E-04	2.12E-04
3425	609298.93	4170534.44	4.77E-03	2.12E-03	7.92E-04	3.70E-04	5.84E-04	2.12E-04
3426	609291.27	4170540.38	4.71E-03	2.10E-03	7.83E-04	3.66E-04	5.78E-04	2.09E-04
3427	609283.61	4170546.33	4.63E-03	2.06E-03	7.69E-04	3.60E-04	5.68E-04	2.06E-04
3428	609275.95	4170552.27	4.52E-03	2.01E-03	7.50E-04	3.51E-04	5.54E-04	2.01E-04

3429	609268.29	4170558.21	4.37E-03	1.95E-03	7.27E-04	3.40E-04	5.36E-04	1.94E-04
3430	609237.66	4170581.99	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
3431	609230	4170587.93	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.11E-04	1.49E-04
3432	609339.56	4170493.95	4.16E-03	1.85E-03	6.91E-04	3.23E-04	5.10E-04	1.85E-04
3433	609356.49	4170488.23	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
3434	609373.43	4170482.5	3.90E-03	1.74E-03	6.48E-04	3.03E-04	4.78E-04	1.73E-04
3435	609390.36	4170476.78	3.67E-03	1.64E-03	6.10E-04	2.86E-04	4.51E-04	1.63E-04
3436	609407.29	4170471.05	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
3437	609323.44	4170502.76	4.28E-03	1.90E-03	7.11E-04	3.32E-04	5.25E-04	1.90E-04
3438	609315.78	4170508.71	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.34E-04	1.93E-04
3439	609300.46	4170520.59	4.41E-03	1.96E-03	7.33E-04	3.43E-04	5.41E-04	1.96E-04
3440	609292.8	4170526.54	4.40E-03	1.96E-03	7.31E-04	3.42E-04	5.40E-04	1.95E-04
3441	609285.14	4170532.48	4.36E-03	1.94E-03	7.24E-04	3.39E-04	5.34E-04	1.93E-04
3442	609277.48	4170538.43	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
3443	609246.84	4170562.2	3.74E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
3444	609239.18	4170568.15	3.56E-03	1.58E-03	5.91E-04	2.77E-04	4.36E-04	1.58E-04
3445	609231.53	4170574.09	3.36E-03	1.50E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
3446	609223.87	4170580.03	3.15E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
3447	609334	4170485.86	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
3448	609343.03	4170482.81	3.82E-03	1.70E-03	6.35E-04	2.97E-04	4.69E-04	1.70E-04
3449	609352.06	4170479.76	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
3450	609361.09	4170476.7	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.53E-04	1.64E-04
3451	609370.12	4170473.65	3.60E-03	1.60E-03	5.98E-04	2.80E-04	4.41E-04	1.60E-04
3452	609379.15	4170470.59	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
3453	609388.18	4170467.54	3.37E-03	1.50E-03	5.60E-04	2.62E-04	4.13E-04	1.50E-04
3454	609397.21	4170464.49	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
3455	609406.24	4170461.43	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3456	609415.27	4170458.38	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
3457	609324.97	4170488.92	3.88E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
3458	609317.31	4170494.86	3.97E-03	1.76E-03	6.59E-04	3.08E-04	4.86E-04	1.76E-04
3459	609309.65	4170500.81	4.03E-03	1.79E-03	6.70E-04	3.13E-04	4.94E-04	1.79E-04
3460	609286.67	4170518.64	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.00E-04	1.81E-04
3461	609256.03	4170542.41	3.78E-03	1.68E-03	6.28E-04	2.94E-04	4.64E-04	1.68E-04
3462	609248.37	4170548.36	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
3463	609240.71	4170554.3	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.29E-04	1.55E-04
3464	609233.05	4170560.25	3.34E-03	1.49E-03	5.55E-04	2.59E-04	4.09E-04	1.48E-04
3465	609225.39	4170566.19	3.16E-03	1.41E-03	5.25E-04	2.46E-04	3.88E-04	1.40E-04
3466	609217.74	4170572.13	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
3467	609210.08	4170578.08	2.79E-03	1.24E-03	4.63E-04	2.17E-04	3.42E-04	1.24E-04
3468	609327.63	4170478.04	3.59E-03	1.60E-03	5.97E-04	2.79E-04	4.40E-04	1.59E-04
3469	609336.42	4170475.07	3.56E-03	1.58E-03	5.91E-04	2.77E-04	4.37E-04	1.58E-04
3470	609345.22	4170472.09	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.31E-04	1.56E-04
3471	609354.01	4170469.12	3.45E-03	1.53E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
3472	609362.81	4170466.15	3.37E-03	1.50E-03	5.60E-04	2.62E-04	4.13E-04	1.50E-04
3473	609371.6	4170463.17	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
3474	609380.4	4170460.2	3.18E-03	1.41E-03	5.27E-04	2.47E-04	3.89E-04	1.41E-04
3475	609389.19	4170457.22	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.75E-04	1.36E-04
3476	609397.99	4170454.25	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3477	609406.78	4170451.27	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3478	609415.58	4170448.3	2.68E-03	1.19E-03	4.46E-04	2.09E-04	3.29E-04	1.19E-04
3479	609318.84	4170481.02	3.61E-03	1.60E-03	5.99E-04	2.80E-04	4.42E-04	1.60E-04
3480	609311.18	4170486.96	3.69E-03	1.64E-03	6.12E-04	2.86E-04	4.52E-04	1.64E-04

3481	609303.52	4170492.91	3.75E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
3482	609295.86	4170498.85	3.79E-03	1.68E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
3483	609265.22	4170522.63	3.71E-03	1.65E-03	6.16E-04	2.88E-04	4.55E-04	1.65E-04
3484	609257.56	4170528.57	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
3485	609249.9	4170534.51	3.53E-03	1.57E-03	5.87E-04	2.75E-04	4.33E-04	1.57E-04
3486	609242.24	4170540.46	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04
3487	609234.58	4170546.4	3.29E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3488	609226.92	4170552.35	3.14E-03	1.40E-03	5.21E-04	2.44E-04	3.85E-04	1.39E-04
3489	609219.26	4170558.29	2.98E-03	1.33E-03	4.95E-04	2.32E-04	3.65E-04	1.32E-04
3490	609211.6	4170564.23	2.81E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3491	609203.95	4170570.18	2.65E-03	1.18E-03	4.39E-04	2.06E-04	3.24E-04	1.17E-04
3492	609321.3	4170470.21	3.35E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
3493	609329.9	4170467.3	3.33E-03	1.48E-03	5.52E-04	2.58E-04	4.08E-04	1.48E-04
3494	609338.49	4170464.4	3.28E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3495	609347.09	4170461.49	3.23E-03	1.44E-03	5.36E-04	2.51E-04	3.96E-04	1.43E-04
3496	609355.68	4170458.58	3.16E-03	1.41E-03	5.25E-04	2.46E-04	3.88E-04	1.40E-04
3497	609372.88	4170452.77	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
3498	609381.47	4170449.86	2.89E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
3499	609398.66	4170444.05	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04
3500	609415.86	4170438.23	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
3501	609312.7	4170473.12	3.36E-03	1.50E-03	5.59E-04	2.61E-04	4.13E-04	1.49E-04
3502	609305.04	4170479.06	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.21E-04	1.53E-04
3503	609297.39	4170485.01	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
3504	609289.73	4170490.95	3.53E-03	1.57E-03	5.86E-04	2.74E-04	4.33E-04	1.57E-04
3505	609282.07	4170496.89	3.54E-03	1.58E-03	5.89E-04	2.75E-04	4.34E-04	1.57E-04
3506	609266.75	4170508.78	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.30E-04	1.56E-04
3507	609259.09	4170514.73	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.25E-04	1.54E-04
3508	609251.43	4170520.67	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
3509	609243.77	4170526.61	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
3510	609236.11	4170532.56	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
3511	609228.45	4170538.5	3.09E-03	1.37E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
3512	609220.79	4170544.45	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
3513	609213.13	4170550.39	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3514	609205.47	4170556.33	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
3515	609197.81	4170562.28	2.51E-03	1.12E-03	4.18E-04	1.95E-04	3.08E-04	1.12E-04
3516	609315.65	4170462.15	3.14E-03	1.40E-03	5.21E-04	2.44E-04	3.84E-04	1.39E-04
3517	609324.72	4170459.08	3.11E-03	1.38E-03	5.16E-04	2.42E-04	3.81E-04	1.38E-04
3518	609333.79	4170456.01	3.07E-03	1.37E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
3519	609342.87	4170452.94	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
3520	609351.94	4170449.87	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3521	609361.01	4170446.81	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
3522	609370.09	4170443.74	2.78E-03	1.24E-03	4.61E-04	2.16E-04	3.41E-04	1.23E-04
3523	609379.16	4170440.67	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
3524	609388.23	4170437.6	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
3525	609397.31	4170434.53	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.03E-04	1.10E-04
3526	609406.38	4170431.46	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
3527	609415.46	4170428.39	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
3528	609306.57	4170465.22	3.15E-03	1.40E-03	5.23E-04	2.45E-04	3.86E-04	1.40E-04
3529	609298.91	4170471.16	3.21E-03	1.43E-03	5.34E-04	2.50E-04	3.94E-04	1.43E-04
3530	609291.25	4170477.11	3.26E-03	1.45E-03	5.42E-04	2.54E-04	4.00E-04	1.45E-04
3531	609283.6	4170483.05	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.04E-04	1.46E-04
3532	609275.94	4170488.99	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04

3533	609268.28	4170494.94	3.31E-03	1.47E-03	5.49E-04	2.57E-04	4.06E-04	1.47E-04
3534	609260.62	4170500.88	3.28E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3535	609252.96	4170506.83	3.24E-03	1.44E-03	5.39E-04	2.52E-04	3.98E-04	1.44E-04
3536	609245.3	4170512.77	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
3537	609237.64	4170518.71	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
3538	609229.98	4170524.66	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
3539	609222.32	4170530.6	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
3540	609214.66	4170536.55	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.42E-04	1.24E-04
3541	609207	4170542.49	2.66E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
3542	609199.34	4170548.43	2.53E-03	1.13E-03	4.20E-04	1.97E-04	3.10E-04	1.12E-04
3543	609191.68	4170554.38	2.39E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
3544	609309.31	4170454.32	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.61E-04	1.31E-04
3545	609318.18	4170451.32	2.92E-03	1.30E-03	4.85E-04	2.27E-04	3.58E-04	1.29E-04
3546	609327.05	4170448.32	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
3547	609335.92	4170445.32	2.83E-03	1.26E-03	4.71E-04	2.20E-04	3.47E-04	1.26E-04
3548	609344.79	4170442.32	2.77E-03	1.23E-03	4.61E-04	2.16E-04	3.40E-04	1.23E-04
3549	609353.66	4170439.32	2.71E-03	1.20E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
3550	609362.52	4170436.32	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
3551	609371.39	4170433.32	2.54E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3552	609380.26	4170430.32	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
3553	609300.44	4170457.32	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.62E-04	1.31E-04
3554	609292.78	4170463.26	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
3555	609285.12	4170469.21	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
3556	609277.46	4170475.15	3.09E-03	1.37E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
3557	609269.81	4170481.09	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3558	609262.15	4170487.04	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3559	609254.49	4170492.98	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
3560	609246.83	4170498.93	3.04E-03	1.35E-03	5.06E-04	2.36E-04	3.73E-04	1.35E-04
3561	609239.17	4170504.87	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
3562	609231.51	4170510.81	2.92E-03	1.30E-03	4.85E-04	2.27E-04	3.58E-04	1.30E-04
3563	609223.85	4170516.76	2.84E-03	1.26E-03	4.72E-04	2.21E-04	3.48E-04	1.26E-04
3564	609216.19	4170522.7	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
3565	609208.53	4170528.65	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
3566	609200.87	4170534.59	2.53E-03	1.12E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
3567	609193.21	4170540.53	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3568	609185.55	4170546.48	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
3569	609303	4170446.48	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
3570	609311.69	4170443.54	2.74E-03	1.22E-03	4.56E-04	2.13E-04	3.36E-04	1.22E-04
3571	609320.39	4170440.6	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.33E-04	1.20E-04
3572	609329.08	4170437.66	2.67E-03	1.19E-03	4.44E-04	2.07E-04	3.27E-04	1.19E-04
3573	609337.77	4170434.72	2.62E-03	1.17E-03	4.35E-04	2.03E-04	3.21E-04	1.16E-04
3574	609346.46	4170431.78	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.14E-04	1.14E-04
3575	609355.15	4170428.84	2.49E-03	1.11E-03	4.14E-04	1.94E-04	3.05E-04	1.11E-04
3576	609415.99	4170408.27	1.89E-03	8.39E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
3577	609294.31	4170449.42	2.77E-03	1.23E-03	4.61E-04	2.15E-04	3.40E-04	1.23E-04
3578	609286.65	4170455.36	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
3579	609278.99	4170461.3	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
3580	609271.33	4170467.25	2.90E-03	1.29E-03	4.82E-04	2.25E-04	3.56E-04	1.29E-04
3581	609263.67	4170473.19	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3582	609256.01	4170479.14	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3583	609248.36	4170485.08	2.90E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
3584	609240.7	4170491.02	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04

3585	609233.04	4170496.97	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3586	609225.38	4170502.91	2.75E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
3587	609217.72	4170508.86	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
3588	609210.06	4170514.8	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
3589	609202.4	4170520.74	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
3590	609194.74	4170526.69	2.40E-03	1.07E-03	3.99E-04	1.86E-04	2.94E-04	1.07E-04
3591	609187.08	4170532.63	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
3592	609297.29	4170438.44	2.60E-03	1.16E-03	4.32E-04	2.02E-04	3.19E-04	1.15E-04
3593	609306.39	4170435.36	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3594	609315.5	4170432.28	2.55E-03	1.14E-03	4.24E-04	1.98E-04	3.13E-04	1.13E-04
3595	609324.6	4170429.2	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3596	609388.34	4170407.64	2.01E-03	8.94E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05
3597	609397.44	4170404.56	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
3598	609406.55	4170401.49	1.83E-03	8.15E-04	3.04E-04	1.42E-04	2.25E-04	8.13E-05
3599	609415.66	4170398.41	1.74E-03	7.76E-04	2.89E-04	1.35E-04	2.14E-04	7.74E-05
3600	609288.18	4170441.52	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
3601	609280.52	4170447.46	2.66E-03	1.19E-03	4.42E-04	2.07E-04	3.27E-04	1.18E-04
3602	609272.86	4170453.4	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
3603	609265.2	4170459.35	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
3604	609257.54	4170465.29	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3605	609249.88	4170471.24	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3606	609242.22	4170477.18	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
3607	609234.57	4170483.12	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
3608	609226.91	4170489.07	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
3609	609219.25	4170495.01	2.60E-03	1.16E-03	4.32E-04	2.02E-04	3.19E-04	1.15E-04
3610	609211.59	4170500.96	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
3611	609203.93	4170506.9	2.46E-03	1.09E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
3612	609196.27	4170512.84	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
3613	609290.97	4170430.6	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
3614	609299.9	4170427.58	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
3615	609362.37	4170406.45	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
3616	609371.29	4170403.44	2.01E-03	8.94E-04	3.33E-04	1.56E-04	2.46E-04	8.91E-05
3617	609380.22	4170400.42	1.93E-03	8.59E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
3618	609389.14	4170397.4	1.85E-03	8.24E-04	3.08E-04	1.44E-04	2.27E-04	8.22E-05
3619	609398.07	4170394.38	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
3620	609406.99	4170391.36	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
3621	609415.91	4170388.34	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
3622	609282.05	4170433.62	2.47E-03	1.10E-03	4.09E-04	1.92E-04	3.02E-04	1.09E-04
3623	609274.39	4170439.56	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3624	609266.73	4170445.5	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3625	609259.07	4170451.45	2.57E-03	1.15E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
3626	609251.41	4170457.39	2.59E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3627	609243.75	4170463.34	2.59E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3628	609236.09	4170469.28	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
3629	609228.43	4170475.22	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3630	609220.78	4170481.17	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3631	609213.12	4170487.11	2.46E-03	1.10E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
3632	609167.16	4170522.78	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
3633	609337.27	4170404.97	2.11E-03	9.39E-04	3.50E-04	1.64E-04	2.59E-04	9.36E-05
3634	609346.03	4170402	2.05E-03	9.13E-04	3.41E-04	1.59E-04	2.52E-04	9.11E-05
3635	609354.8	4170399.04	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
3636	609363.56	4170396.08	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05

3637	609372.33	4170393.11	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3638	609381.09	4170390.15	1.78E-03	7.93E-04	2.96E-04	1.38E-04	2.19E-04	7.91E-05
3639	609389.86	4170387.18	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3640	609398.62	4170384.22	1.64E-03	7.28E-04	2.72E-04	1.27E-04	2.01E-04	7.26E-05
3641	609407.39	4170381.26	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
3642	609416.15	4170378.29	1.49E-03	6.63E-04	2.47E-04	1.16E-04	1.83E-04	6.61E-05
3643	609268.26	4170431.66	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
3644	609260.6	4170437.6	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3645	609252.94	4170443.55	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3646	609245.28	4170449.49	2.44E-03	1.09E-03	4.06E-04	1.90E-04	2.99E-04	1.08E-04
3647	609237.62	4170455.44	2.44E-03	1.09E-03	4.06E-04	1.90E-04	2.99E-04	1.08E-04
3648	609229.96	4170461.38	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3649	609222.3	4170467.32	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3650	609214.64	4170473.27	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.91E-04	1.05E-04
3651	609168.69	4170508.93	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3652	609161.03	4170514.88	1.90E-03	8.47E-04	3.16E-04	1.48E-04	2.33E-04	8.45E-05
3653	609306.31	4170405.47	2.13E-03	9.46E-04	3.53E-04	1.65E-04	2.61E-04	9.43E-05
3654	609315.44	4170402.38	2.09E-03	9.28E-04	3.47E-04	1.62E-04	2.56E-04	9.26E-05
3655	609324.57	4170399.29	2.04E-03	9.08E-04	3.39E-04	1.59E-04	2.50E-04	9.05E-05
3656	609333.7	4170396.2	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3657	609342.83	4170393.12	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
3658	609351.96	4170390.03	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3659	609361.08	4170386.94	1.81E-03	8.03E-04	3.00E-04	1.40E-04	2.21E-04	8.01E-05
3660	609370.21	4170383.85	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
3661	609379.34	4170380.77	1.67E-03	7.43E-04	2.77E-04	1.30E-04	2.05E-04	7.41E-05
3662	609388.47	4170377.68	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
3663	609397.6	4170374.59	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
3664	609406.73	4170371.5	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05
3665	609415.86	4170368.42	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
3666	609254.47	4170429.7	2.28E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
3667	609246.81	4170435.65	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
3668	609239.15	4170441.59	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
3669	609231.49	4170447.54	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
3670	609223.83	4170453.48	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
3671	609216.17	4170459.42	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
3672	609208.51	4170465.37	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	1.00E-04
3673	609177.88	4170489.14	2.04E-03	9.10E-04	3.39E-04	1.59E-04	2.51E-04	9.07E-05
3674	609170.22	4170495.09	1.97E-03	8.79E-04	3.28E-04	1.53E-04	2.42E-04	8.76E-05
3675	609162.56	4170501.03	1.90E-03	8.46E-04	3.16E-04	1.48E-04	2.33E-04	8.44E-05
3676	609154.9	4170506.98	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.09E-05
3677	609281.59	4170403.85	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.19E-05
3678	609290.56	4170400.82	2.05E-03	9.12E-04	3.40E-04	1.59E-04	2.51E-04	9.09E-05
3679	609299.53	4170397.79	2.02E-03	8.99E-04	3.36E-04	1.57E-04	2.48E-04	8.97E-05
3680	609308.49	4170394.75	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
3681	609317.46	4170391.72	1.94E-03	8.65E-04	3.23E-04	1.51E-04	2.38E-04	8.63E-05
3682	609326.43	4170388.69	1.90E-03	8.45E-04	3.15E-04	1.47E-04	2.33E-04	8.42E-05
3683	609335.4	4170385.65	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.20E-05
3684	609344.36	4170382.62	1.79E-03	7.97E-04	2.98E-04	1.39E-04	2.20E-04	7.95E-05
3685	609353.33	4170379.59	1.73E-03	7.72E-04	2.88E-04	1.35E-04	2.13E-04	7.69E-05
3686	609362.3	4170376.56	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3687	609371.27	4170373.52	1.61E-03	7.17E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3688	609380.23	4170370.49	1.55E-03	6.88E-04	2.57E-04	1.20E-04	1.90E-04	6.86E-05

3689	609389.2	4170367.46	1.48E-03	6.59E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
3690	609398.17	4170364.43	1.42E-03	6.31E-04	2.35E-04	1.10E-04	1.74E-04	6.29E-05
3691	609407.14	4170361.39	1.35E-03	6.02E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
3692	609416.1	4170358.36	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
3693	609240.68	4170427.75	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3694	609233.02	4170433.69	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.72E-05
3695	609225.36	4170439.64	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
3696	609217.7	4170445.58	2.18E-03	9.72E-04	3.63E-04	1.70E-04	2.68E-04	9.69E-05
3697	609210.04	4170451.52	2.17E-03	9.64E-04	3.60E-04	1.68E-04	2.66E-04	9.61E-05
3698	609179.4	4170475.3	2.01E-03	8.93E-04	3.33E-04	1.56E-04	2.46E-04	8.91E-05
3699	609171.75	4170481.24	1.95E-03	8.68E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3700	609164.09	4170487.19	1.89E-03	8.40E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
3701	609156.43	4170493.13	1.82E-03	8.10E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3702	609148.77	4170499.08	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
3703	609266.35	4170399.03	1.98E-03	8.82E-04	3.29E-04	1.54E-04	2.43E-04	8.79E-05
3704	609275.17	4170396.05	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3705	609283.99	4170393.07	1.95E-03	8.67E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3706	609292.81	4170390.08	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
3707	609301.64	4170387.1	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
3708	609310.46	4170384.11	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3709	609319.28	4170381.13	1.81E-03	8.07E-04	3.01E-04	1.41E-04	2.22E-04	8.04E-05
3710	609328.1	4170378.15	1.77E-03	7.86E-04	2.93E-04	1.37E-04	2.17E-04	7.84E-05
3711	609336.93	4170375.16	1.72E-03	7.64E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3712	609345.75	4170372.18	1.66E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
3713	609354.57	4170369.2	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3714	609363.39	4170366.21	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3715	609372.21	4170363.23	1.49E-03	6.65E-04	2.48E-04	1.16E-04	1.83E-04	6.64E-05
3716	609381.04	4170360.25	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.37E-05
3717	609389.86	4170357.26	1.38E-03	6.13E-04	2.29E-04	1.07E-04	1.69E-04	6.11E-05
3718	609398.68	4170354.28	1.32E-03	5.87E-04	2.19E-04	1.02E-04	1.62E-04	5.85E-05
3719	609407.5	4170351.3	1.26E-03	5.61E-04	2.09E-04	9.79E-05	1.55E-04	5.59E-05
3720	609416.32	4170348.31	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
3721	609257.53	4170402.02	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3722	609226.89	4170425.79	2.08E-03	9.25E-04	3.45E-04	1.62E-04	2.55E-04	9.23E-05
3723	609219.23	4170431.74	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
3724	609211.57	4170437.68	2.07E-03	9.23E-04	3.44E-04	1.61E-04	2.54E-04	9.20E-05
3725	609180.93	4170461.46	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.40E-04	8.70E-05
3726	609173.27	4170467.4	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.50E-05
3727	609165.61	4170473.34	1.86E-03	8.29E-04	3.09E-04	1.45E-04	2.28E-04	8.26E-05
3728	609157.95	4170479.29	1.80E-03	8.03E-04	3.00E-04	1.40E-04	2.21E-04	8.01E-05
3729	609150.3	4170485.23	1.74E-03	7.76E-04	2.89E-04	1.35E-04	2.14E-04	7.74E-05
3730	609142.64	4170491.18	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
3731	609260.54	4170391.02	1.88E-03	8.38E-04	3.13E-04	1.46E-04	2.31E-04	8.36E-05
3732	609269.69	4170387.93	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3733	609278.84	4170384.83	1.85E-03	8.24E-04	3.08E-04	1.44E-04	2.27E-04	8.22E-05
3734	609287.99	4170381.74	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.11E-05
3735	609297.14	4170378.65	1.80E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3736	609306.29	4170375.55	1.76E-03	7.83E-04	2.92E-04	1.37E-04	2.16E-04	7.81E-05
3737	609315.44	4170372.46	1.72E-03	7.65E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3738	609324.59	4170369.36	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
3739	609333.74	4170366.27	1.62E-03	7.23E-04	2.70E-04	1.26E-04	1.99E-04	7.21E-05
3740	609342.88	4170363.18	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05

3741	609352.03	4170360.08	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
3742	609361.18	4170356.99	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3743	609370.33	4170353.89	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
3744	609379.48	4170350.8	1.35E-03	6.01E-04	2.24E-04	1.05E-04	1.66E-04	6.00E-05
3745	609388.63	4170347.7	1.29E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.74E-05
3746	609397.78	4170344.61	1.24E-03	5.51E-04	2.06E-04	9.62E-05	1.52E-04	5.49E-05
3747	609406.93	4170341.52	1.18E-03	5.26E-04	1.96E-04	9.18E-05	1.45E-04	5.24E-05
3748	609416.08	4170338.42	1.13E-03	5.01E-04	1.87E-04	8.76E-05	1.38E-04	5.00E-05
3749	609251.4	4170394.12	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
3750	609243.74	4170400.06	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.54E-05
3751	609236.08	4170406	1.95E-03	8.67E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3752	609182.46	4170447.61	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
3753	609174.8	4170453.56	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3754	609167.14	4170459.5	1.83E-03	8.13E-04	3.04E-04	1.42E-04	2.24E-04	8.11E-05
3755	609159.48	4170465.44	1.78E-03	7.92E-04	2.96E-04	1.38E-04	2.18E-04	7.90E-05
3756	609151.82	4170471.39	1.73E-03	7.69E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
3757	609144.16	4170477.33	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3758	609136.51	4170483.28	1.61E-03	7.17E-04	2.68E-04	1.25E-04	1.98E-04	7.15E-05
3759	609254.27	4170383.17	1.79E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3760	609263.27	4170380.13	1.78E-03	7.93E-04	2.96E-04	1.39E-04	2.19E-04	7.91E-05
3761	609272.27	4170377.08	1.77E-03	7.86E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
3762	609281.27	4170374.04	1.74E-03	7.75E-04	2.89E-04	1.35E-04	2.14E-04	7.73E-05
3763	609290.27	4170370.99	1.71E-03	7.63E-04	2.85E-04	1.33E-04	2.10E-04	7.61E-05
3764	609299.28	4170367.95	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
3765	609308.28	4170364.91	1.65E-03	7.32E-04	2.73E-04	1.28E-04	2.02E-04	7.30E-05
3766	609317.28	4170361.86	1.60E-03	7.14E-04	2.67E-04	1.25E-04	1.97E-04	7.12E-05
3767	609326.28	4170358.82	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
3768	609335.28	4170355.77	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
3769	609344.28	4170352.73	1.47E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3770	609353.29	4170349.68	1.42E-03	6.30E-04	2.35E-04	1.10E-04	1.74E-04	6.28E-05
3771	609362.29	4170346.64	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
3772	609371.29	4170343.59	1.31E-03	5.84E-04	2.18E-04	1.02E-04	1.61E-04	5.82E-05
3773	609380.29	4170340.55	1.26E-03	5.61E-04	2.09E-04	9.79E-05	1.54E-04	5.59E-05
3774	609389.29	4170337.51	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
3775	609398.3	4170334.46	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3776	609407.3	4170331.42	1.10E-03	4.92E-04	1.84E-04	8.58E-05	1.35E-04	4.90E-05
3777	609416.3	4170328.37	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.68E-05
3778	609245.26	4170386.22	1.80E-03	8.02E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
3779	609237.61	4170392.16	1.83E-03	8.15E-04	3.04E-04	1.42E-04	2.25E-04	8.13E-05
3780	609229.95	4170398.1	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3781	609222.29	4170404.05	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
3782	609183.99	4170433.77	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
3783	609176.33	4170439.71	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3784	609168.67	4170445.66	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
3785	609161.01	4170451.6	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
3786	609153.35	4170457.54	1.70E-03	7.58E-04	2.83E-04	1.32E-04	2.09E-04	7.56E-05
3787	609145.69	4170463.49	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
3788	609138.03	4170469.43	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
3789	609130.37	4170475.38	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
3790	609248	4170375.32	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
3791	609256.87	4170372.32	1.70E-03	7.57E-04	2.83E-04	1.32E-04	2.09E-04	7.55E-05
3792	609265.74	4170369.32	1.68E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05

3793	609274.61	4170366.32	1.66E-03	7.41E-04	2.76E-04	1.29E-04	2.04E-04	7.39E-05
3794	609283.48	4170363.32	1.64E-03	7.30E-04	2.72E-04	1.27E-04	2.01E-04	7.28E-05
3795	609292.35	4170360.32	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3796	609301.22	4170357.32	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
3797	609310.08	4170354.32	1.54E-03	6.85E-04	2.56E-04	1.20E-04	1.89E-04	6.83E-05
3798	609318.95	4170351.32	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3799	609327.82	4170348.32	1.46E-03	6.49E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05
3800	609336.69	4170345.32	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.27E-05
3801	609345.56	4170342.32	1.37E-03	6.09E-04	2.27E-04	1.06E-04	1.68E-04	6.07E-05
3802	609354.43	4170339.32	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
3803	609363.3	4170336.32	1.27E-03	5.66E-04	2.11E-04	9.89E-05	1.56E-04	5.65E-05
3804	609372.17	4170333.33	1.22E-03	5.45E-04	2.03E-04	9.52E-05	1.50E-04	5.44E-05
3805	609381.03	4170330.33	1.18E-03	5.24E-04	1.95E-04	9.14E-05	1.44E-04	5.22E-05
3806	609389.9	4170327.33	1.13E-03	5.02E-04	1.87E-04	8.77E-05	1.38E-04	5.01E-05
3807	609398.77	4170324.33	1.08E-03	4.81E-04	1.80E-04	8.40E-05	1.33E-04	4.80E-05
3808	609407.64	4170321.33	1.04E-03	4.61E-04	1.72E-04	8.04E-05	1.27E-04	4.59E-05
3809	609416.51	4170318.33	9.90E-04	4.41E-04	1.64E-04	7.69E-05	1.21E-04	4.39E-05
3810	609239.13	4170378.32	1.72E-03	7.65E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3811	609231.47	4170384.26	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
3812	609223.81	4170390.2	1.77E-03	7.87E-04	2.94E-04	1.37E-04	2.17E-04	7.85E-05
3813	609216.16	4170396.15	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
3814	609208.5	4170402.09	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
3815	609177.86	4170425.87	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
3816	609170.2	4170431.81	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
3817	609162.54	4170437.76	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
3818	609154.88	4170443.7	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3819	609147.22	4170449.64	1.63E-03	7.26E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3820	609139.56	4170455.59	1.59E-03	7.07E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3821	609131.9	4170461.53	1.54E-03	6.86E-04	2.56E-04	1.20E-04	1.89E-04	6.84E-05
3822	609124.24	4170467.48	1.49E-03	6.63E-04	2.47E-04	1.16E-04	1.83E-04	6.61E-05
3823	609242.17	4170367.32	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3824	609251.33	4170364.22	1.62E-03	7.23E-04	2.70E-04	1.26E-04	1.99E-04	7.21E-05
3825	609260.5	4170361.12	1.61E-03	7.15E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
3826	609269.66	4170358.02	1.59E-03	7.06E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3827	609278.82	4170354.92	1.56E-03	6.95E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
3828	609287.99	4170351.82	1.53E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
3829	609297.15	4170348.72	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3830	609306.32	4170345.62	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3831	609315.48	4170342.52	1.43E-03	6.35E-04	2.37E-04	1.11E-04	1.75E-04	6.33E-05
3832	609324.65	4170339.42	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
3833	609333.81	4170336.32	1.34E-03	5.97E-04	2.23E-04	1.04E-04	1.64E-04	5.95E-05
3834	609342.98	4170333.22	1.30E-03	5.77E-04	2.15E-04	1.01E-04	1.59E-04	5.76E-05
3835	609352.14	4170330.12	1.25E-03	5.57E-04	2.08E-04	9.72E-05	1.53E-04	5.55E-05
3836	609361.31	4170327.02	1.20E-03	5.36E-04	2.00E-04	9.36E-05	1.48E-04	5.35E-05
3837	609370.47	4170323.93	1.16E-03	5.15E-04	1.92E-04	9.00E-05	1.42E-04	5.14E-05
3838	609379.63	4170320.83	1.11E-03	4.95E-04	1.85E-04	8.64E-05	1.36E-04	4.93E-05
3839	609388.8	4170317.73	1.07E-03	4.74E-04	1.77E-04	8.28E-05	1.31E-04	4.73E-05
3840	609397.96	4170314.63	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
3841	609407.13	4170311.53	9.76E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
3842	609416.29	4170308.43	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
3843	609233	4170370.42	1.64E-03	7.30E-04	2.72E-04	1.27E-04	2.01E-04	7.28E-05
3844	609225.34	4170376.36	1.67E-03	7.42E-04	2.77E-04	1.29E-04	2.04E-04	7.40E-05

3845	609217.68	4170382.3	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
3846	609210.02	4170388.25	1.70E-03	7.57E-04	2.83E-04	1.32E-04	2.09E-04	7.55E-05
3847	609202.37	4170394.19	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3848	609194.71	4170400.14	1.71E-03	7.63E-04	2.85E-04	1.33E-04	2.10E-04	7.60E-05
3849	609164.07	4170423.91	1.66E-03	7.39E-04	2.76E-04	1.29E-04	2.04E-04	7.37E-05
3850	609156.41	4170429.86	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3851	609148.75	4170435.8	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
3852	609141.09	4170441.74	1.57E-03	6.97E-04	2.60E-04	1.22E-04	1.92E-04	6.95E-05
3853	609133.43	4170447.69	1.52E-03	6.79E-04	2.53E-04	1.18E-04	1.87E-04	6.77E-05
3854	609125.77	4170453.63	1.48E-03	6.59E-04	2.46E-04	1.15E-04	1.82E-04	6.57E-05
3855	609118.11	4170459.58	1.43E-03	6.38E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
3856	609297.79	4170726.34	5.09E-03	2.27E-03	8.46E-04	3.96E-04	6.24E-04	2.26E-04
3857	609281.08	4170698.17	5.19E-03	2.31E-03	8.62E-04	4.03E-04	6.36E-04	2.30E-04
3858	609271.27	4170697.61	4.31E-03	1.92E-03	7.15E-04	3.35E-04	5.28E-04	1.91E-04
3859	609277.46	4170685.24	5.36E-03	2.39E-03	8.90E-04	4.16E-04	6.57E-04	2.38E-04
3860	609261.4	4170697.18	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
3861	609267.85	4170684.3	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.50E-04	1.99E-04
3862	609258.05	4170710.96	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
3863	609251.08	4170697.65	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
3864	609256.88	4170686.06	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.52E-04	1.64E-04
3865	609262.68	4170674.47	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.33E-04	1.93E-04
3866	609248.05	4170710.79	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
3867	609241.19	4170697.26	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
3868	609247.2	4170685.24	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
3869	609253.22	4170673.22	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
3870	609259.24	4170661.2	4.36E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
3871	609238.05	4170710.62	2.42E-03	1.08E-03	4.03E-04	1.88E-04	2.97E-04	1.08E-04
3872	609231.28	4170696.92	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3873	609237.46	4170684.55	2.82E-03	1.26E-03	4.69E-04	2.19E-04	3.46E-04	1.25E-04
3874	609243.65	4170672.19	3.29E-03	1.47E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
3875	609249.84	4170659.83	3.81E-03	1.70E-03	6.33E-04	2.96E-04	4.67E-04	1.69E-04
3876	609228.06	4170710.44	2.17E-03	9.67E-04	3.61E-04	1.69E-04	2.66E-04	9.65E-05
3877	609221.35	4170696.61	2.18E-03	9.69E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3878	609227.68	4170683.96	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3879	609234.01	4170671.31	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
3880	609240.33	4170658.67	3.36E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
3881	609246.66	4170646.02	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
3882	609218.06	4170710.27	1.97E-03	8.75E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3883	609211.41	4170696.32	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
3884	609217.85	4170683.44	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.98E-05
3885	609224.3	4170670.56	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.17E-04	1.15E-04
3886	609230.75	4170657.68	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
3887	609237.19	4170644.8	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
3888	609201.46	4170696.04	1.79E-03	7.97E-04	2.97E-04	1.39E-04	2.20E-04	7.95E-05
3889	609208	4170682.97	2.03E-03	9.03E-04	3.37E-04	1.58E-04	2.49E-04	9.00E-05
3890	609214.55	4170669.89	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
3891	609221.09	4170656.81	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
3892	609227.64	4170643.73	3.02E-03	1.34E-03	5.02E-04	2.35E-04	3.70E-04	1.34E-04
3893	609234.19	4170630.66	3.39E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
3894	609191.28	4170696.23	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3895	609197.47	4170683.86	1.82E-03	8.11E-04	3.03E-04	1.42E-04	2.23E-04	8.09E-05
3896	609203.66	4170671.5	2.05E-03	9.12E-04	3.40E-04	1.59E-04	2.51E-04	9.09E-05

3897	609209.85	4170659.14	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.84E-04	1.03E-04
3898	609216.03	4170646.77	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
3899	609222.22	4170634.41	2.92E-03	1.30E-03	4.84E-04	2.27E-04	3.58E-04	1.29E-04
3900	609228.41	4170622.04	3.22E-03	1.43E-03	5.35E-04	2.50E-04	3.95E-04	1.43E-04
3901	609187.81	4170724.44	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
3902	609181.33	4170695.96	1.50E-03	6.69E-04	2.50E-04	1.17E-04	1.84E-04	6.67E-05
3903	609187.62	4170683.4	1.67E-03	7.43E-04	2.77E-04	1.30E-04	2.05E-04	7.41E-05
3904	609193.9	4170670.84	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
3905	609200.19	4170658.29	2.10E-03	9.34E-04	3.48E-04	1.63E-04	2.57E-04	9.31E-05
3906	609206.47	4170645.73	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
3907	609212.76	4170633.17	2.63E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
3908	609219.04	4170620.61	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3909	609177.81	4170724.27	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
3910	609177.75	4170682.97	1.54E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
3911	609184.12	4170670.25	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3912	609190.49	4170657.52	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.49E-05
3913	609196.86	4170644.79	2.14E-03	9.54E-04	3.56E-04	1.66E-04	2.63E-04	9.51E-05
3914	609203.23	4170632.06	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
3915	609209.6	4170619.33	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
3916	609215.97	4170606.61	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
3917	609167.81	4170724.1	1.24E-03	5.51E-04	2.06E-04	9.61E-05	1.52E-04	5.49E-05
3918	609167.86	4170682.57	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3919	609174.31	4170669.69	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
3920	609180.75	4170656.81	1.75E-03	7.80E-04	2.91E-04	1.36E-04	2.15E-04	7.78E-05
3921	609187.2	4170643.94	1.96E-03	8.71E-04	3.25E-04	1.52E-04	2.40E-04	8.69E-05
3922	609193.65	4170631.06	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3923	609200.09	4170618.18	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3924	609206.54	4170605.3	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
3925	609157.81	4170723.92	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3926	609157.96	4170682.2	1.32E-03	5.86E-04	2.19E-04	1.02E-04	1.61E-04	5.84E-05
3927	609164.48	4170669.18	1.45E-03	6.47E-04	2.41E-04	1.13E-04	1.78E-04	6.45E-05
3928	609170.99	4170656.17	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
3929	609177.51	4170643.15	1.80E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3930	609184.02	4170630.14	1.99E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.85E-05
3931	609190.53	4170617.12	2.20E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.78E-05
3932	609197.05	4170604.11	2.41E-03	1.07E-03	4.01E-04	1.87E-04	2.96E-04	1.07E-04
3933	609148.07	4170709.06	1.13E-03	5.02E-04	1.87E-04	8.76E-05	1.38E-04	5.00E-05
3934	609147.81	4170723.75	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.80E-05
3935	609178.9	4170620.22	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.41E-04	8.71E-05
3936	609185.16	4170607.71	2.15E-03	9.55E-04	3.56E-04	1.67E-04	2.63E-04	9.52E-05
3937	609137.82	4170723.58	1.02E-03	4.52E-04	1.69E-04	7.90E-05	1.25E-04	4.51E-05
3938	609121.39	4170694.82	9.86E-04	4.39E-04	1.64E-04	7.66E-05	1.21E-04	4.37E-05
3939	609134.17	4170669.28	1.16E-03	5.16E-04	1.92E-04	9.00E-05	1.42E-04	5.14E-05
3940	609185.29	4170567.14	2.27E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
3941	609118.07	4170708.55	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
3942	609111.42	4170694.59	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
3943	609124.31	4170668.83	1.09E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.82E-05
3944	609130.76	4170655.95	1.18E-03	5.27E-04	1.97E-04	9.20E-05	1.45E-04	5.25E-05
3945	609137.21	4170643.07	1.30E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.75E-05
3946	609143.65	4170630.19	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3947	609150.1	4170617.31	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3948	609156.55	4170604.43	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05

3949	609162.99	4170591.56	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.16E-05
3950	609108.07	4170708.37	8.81E-04	3.92E-04	1.46E-04	6.85E-05	1.08E-04	3.91E-05
3951	609107.82	4170723.06	8.54E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
3952	609101.45	4170694.37	8.77E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
3953	609114.45	4170668.4	1.02E-03	4.53E-04	1.69E-04	7.92E-05	1.25E-04	4.52E-05
3954	609120.94	4170655.42	1.11E-03	4.93E-04	1.84E-04	8.61E-05	1.36E-04	4.92E-05
3955	609127.44	4170642.44	1.21E-03	5.38E-04	2.01E-04	9.40E-05	1.48E-04	5.37E-05
3956	609133.94	4170629.45	1.32E-03	5.88E-04	2.20E-04	1.03E-04	1.62E-04	5.87E-05
3957	609140.44	4170616.47	1.44E-03	6.43E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
3958	609146.93	4170603.49	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
3959	609153.43	4170590.51	1.71E-03	7.59E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
3960	609098.07	4170708.2	8.34E-04	3.71E-04	1.39E-04	6.48E-05	1.02E-04	3.70E-05
3961	609097.82	4170722.89	8.09E-04	3.60E-04	1.34E-04	6.29E-05	9.92E-05	3.59E-05
3962	609091.48	4170694.15	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
3963	609111.11	4170654.91	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
3964	609117.66	4170641.84	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.03E-05
3965	609124.2	4170628.76	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
3966	609130.75	4170615.68	1.35E-03	5.99E-04	2.23E-04	1.05E-04	1.65E-04	5.97E-05
3967	609137.29	4170602.6	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3968	609143.84	4170589.53	1.59E-03	7.07E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3969	609088.08	4170708.03	7.91E-04	3.52E-04	1.31E-04	6.14E-05	9.69E-05	3.51E-05
3970	609087.82	4170722.72	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
3971	609081.38	4170694.17	7.86E-04	3.50E-04	1.31E-04	6.11E-05	9.64E-05	3.49E-05
3972	609087.74	4170681.47	8.38E-04	3.73E-04	1.39E-04	6.51E-05	1.03E-04	3.72E-05
3973	609100.44	4170656.08	9.70E-04	4.32E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
3974	609106.8	4170643.38	1.05E-03	4.67E-04	1.74E-04	8.15E-05	1.29E-04	4.66E-05
3975	609113.15	4170630.69	1.14E-03	5.06E-04	1.89E-04	8.83E-05	1.39E-04	5.05E-05
3976	609119.5	4170617.99	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
3977	609125.86	4170605.3	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
3978	609132.21	4170592.6	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
3979	609138.57	4170579.91	1.56E-03	6.93E-04	2.59E-04	1.21E-04	1.91E-04	6.91E-05
3980	609151.27	4170554.52	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
3981	609157.63	4170541.82	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
3982	609078.08	4170707.86	7.51E-04	3.34E-04	1.25E-04	5.84E-05	9.21E-05	3.33E-05
3983	609077.82	4170722.54	7.31E-04	3.25E-04	1.21E-04	5.68E-05	8.96E-05	3.24E-05
3984	609071.41	4170693.95	7.47E-04	3.32E-04	1.24E-04	5.80E-05	9.16E-05	3.31E-05
3985	609077.81	4170681.15	7.95E-04	3.54E-04	1.32E-04	6.18E-05	9.75E-05	3.53E-05
3986	609090.61	4170655.57	9.15E-04	4.07E-04	1.52E-04	7.11E-05	1.12E-04	4.06E-05
3987	609097.01	4170642.78	9.88E-04	4.40E-04	1.64E-04	7.68E-05	1.21E-04	4.38E-05
3988	609103.41	4170629.99	1.07E-03	4.75E-04	1.77E-04	8.30E-05	1.31E-04	4.74E-05
3989	609109.82	4170617.2	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3990	609116.22	4170604.41	1.25E-03	5.57E-04	2.08E-04	9.73E-05	1.53E-04	5.56E-05
3991	609122.62	4170591.62	1.35E-03	6.02E-04	2.25E-04	1.05E-04	1.66E-04	6.00E-05
3992	609129.02	4170578.83	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.78E-04	6.46E-05
3993	609148.23	4170540.46	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
3994	609154.63	4170527.67	1.83E-03	8.16E-04	3.04E-04	1.42E-04	2.25E-04	8.14E-05
3995	609068.08	4170707.68	7.15E-04	3.18E-04	1.19E-04	5.55E-05	8.76E-05	3.17E-05
3996	609067.83	4170722.37	6.96E-04	3.10E-04	1.16E-04	5.41E-05	8.54E-05	3.09E-05
3997	609061.43	4170693.73	7.11E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
3998	609067.88	4170680.85	7.55E-04	3.36E-04	1.25E-04	5.87E-05	9.26E-05	3.35E-05
3999	609080.77	4170655.09	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
4000	609087.21	4170642.21	9.32E-04	4.15E-04	1.55E-04	7.24E-05	1.14E-04	4.14E-05

4001	609093.66	4170629.33	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
4002	609100.11	4170616.45	1.09E-03	4.84E-04	1.81E-04	8.44E-05	1.33E-04	4.82E-05
4003	609106.55	4170603.57	1.17E-03	5.23E-04	1.95E-04	9.13E-05	1.44E-04	5.21E-05
4004	609113	4170590.69	1.27E-03	5.64E-04	2.11E-04	9.85E-05	1.55E-04	5.63E-05
4005	609119.44	4170577.81	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
4006	609138.78	4170539.18	1.64E-03	7.31E-04	2.73E-04	1.28E-04	2.01E-04	7.29E-05
4007	609145.23	4170526.3	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
4008	609058.08	4170707.51	6.81E-04	3.03E-04	1.13E-04	5.29E-05	8.35E-05	3.02E-05
4009	609057.83	4170722.2	6.64E-04	2.96E-04	1.10E-04	5.16E-05	8.14E-05	2.95E-05
4010	609051.45	4170693.51	6.78E-04	3.02E-04	1.13E-04	5.26E-05	8.31E-05	3.01E-05
4011	609057.94	4170680.55	7.19E-04	3.20E-04	1.19E-04	5.58E-05	8.81E-05	3.19E-05
4012	609077.4	4170641.66	8.81E-04	3.92E-04	1.46E-04	6.85E-05	1.08E-04	3.91E-05
4013	609083.89	4170628.7	9.49E-04	4.23E-04	1.58E-04	7.38E-05	1.16E-04	4.21E-05
4014	609090.38	4170615.74	1.02E-03	4.56E-04	1.70E-04	7.96E-05	1.26E-04	4.54E-05
4015	609096.87	4170602.78	1.10E-03	4.92E-04	1.84E-04	8.58E-05	1.35E-04	4.90E-05
4016	609103.35	4170589.81	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.29E-05
4017	609109.84	4170576.85	1.28E-03	5.70E-04	2.13E-04	9.94E-05	1.57E-04	5.68E-05
4018	609129.3	4170537.96	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
4019	609135.79	4170525	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
4020	609142.28	4170512.04	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
4021	609048.08	4170707.34	6.50E-04	2.89E-04	1.08E-04	5.05E-05	7.97E-05	2.89E-05
4022	609047.83	4170722.03	6.35E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
4023	609041.47	4170693.3	6.47E-04	2.88E-04	1.07E-04	5.03E-05	7.93E-05	2.87E-05
4024	609048	4170680.26	6.85E-04	3.05E-04	1.14E-04	5.32E-05	8.40E-05	3.04E-05
4025	609054.53	4170667.22	7.29E-04	3.24E-04	1.21E-04	5.66E-05	8.94E-05	3.24E-05
4026	609067.58	4170641.14	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
4027	609074.11	4170628.1	8.98E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
4028	609080.63	4170615.06	9.67E-04	4.30E-04	1.61E-04	7.51E-05	1.19E-04	4.29E-05
4029	609087.16	4170602.02	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
4030	609093.69	4170588.98	1.12E-03	4.99E-04	1.86E-04	8.70E-05	1.37E-04	4.97E-05
4031	609100.21	4170575.94	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
4032	609119.79	4170536.82	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
4033	609126.32	4170523.78	1.53E-03	6.79E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
4034	609132.85	4170510.74	1.59E-03	7.10E-04	2.65E-04	1.24E-04	1.95E-04	7.08E-05
4035	609038.08	4170707.17	6.21E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
4036	609037.83	4170721.85	6.07E-04	2.70E-04	1.01E-04	4.72E-05	7.44E-05	2.69E-05
4037	609031.49	4170693.09	6.18E-04	2.75E-04	1.03E-04	4.81E-05	7.58E-05	2.74E-05
4038	609038.06	4170679.98	6.54E-04	2.91E-04	1.09E-04	5.08E-05	8.02E-05	2.90E-05
4039	609044.62	4170666.87	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.08E-05
4040	609057.75	4170640.64	7.93E-04	3.53E-04	1.32E-04	6.16E-05	9.72E-05	3.52E-05
4041	609064.31	4170627.53	8.51E-04	3.79E-04	1.41E-04	6.61E-05	1.04E-04	3.78E-05
4042	609070.87	4170614.41	9.14E-04	4.07E-04	1.52E-04	7.10E-05	1.12E-04	4.06E-05
4043	609077.44	4170601.3	9.83E-04	4.37E-04	1.63E-04	7.64E-05	1.20E-04	4.36E-05
4044	609084	4170588.19	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.69E-05
4045	609090.56	4170575.07	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.03E-05
4046	609097.13	4170561.96	1.21E-03	5.39E-04	2.01E-04	9.41E-05	1.48E-04	5.37E-05
4047	609110.25	4170535.73	1.37E-03	6.08E-04	2.27E-04	1.06E-04	1.68E-04	6.06E-05
4048	609116.82	4170522.62	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.39E-05
4049	609123.38	4170509.5	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.68E-05
4050	609129.94	4170496.39	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
4051	609028.08	4170706.99	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.29E-05	2.64E-05
4052	609027.83	4170721.68	5.82E-04	2.59E-04	9.66E-05	4.52E-05	7.13E-05	2.58E-05

4053	609047.05	4170641.85	7.47E-04	3.33E-04	1.24E-04	5.81E-05	9.16E-05	3.32E-05
4054	609053.46	4170629.05	7.99E-04	3.55E-04	1.33E-04	6.21E-05	9.79E-05	3.54E-05
4055	609059.87	4170616.24	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
4056	609066.28	4170603.43	9.16E-04	4.07E-04	1.52E-04	7.11E-05	1.12E-04	4.06E-05
4057	609072.69	4170590.63	9.80E-04	4.36E-04	1.63E-04	7.62E-05	1.20E-04	4.35E-05
4058	609079.1	4170577.82	1.05E-03	4.67E-04	1.74E-04	8.15E-05	1.29E-04	4.65E-05
4059	609085.51	4170565.02	1.12E-03	4.98E-04	1.86E-04	8.69E-05	1.37E-04	4.97E-05
4060	609104.74	4170526.6	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
4061	609111.15	4170513.79	1.40E-03	6.21E-04	2.32E-04	1.08E-04	1.71E-04	6.20E-05
4062	609117.56	4170500.99	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.78E-04	6.46E-05
4063	609123.97	4170488.18	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.69E-05
4064	609017.83	4170721.51	5.58E-04	2.48E-04	9.26E-05	4.33E-05	6.84E-05	2.48E-05
4065	609069.45	4170576.95	9.92E-04	4.41E-04	1.65E-04	7.71E-05	1.22E-04	4.40E-05
4066	609075.9	4170564.07	1.06E-03	4.71E-04	1.76E-04	8.22E-05	1.30E-04	4.69E-05
4067	609095.24	4170525.43	1.26E-03	5.60E-04	2.09E-04	9.78E-05	1.54E-04	5.58E-05
4068	609101.68	4170512.55	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
4069	609108.13	4170499.67	1.38E-03	6.13E-04	2.29E-04	1.07E-04	1.69E-04	6.11E-05
4070	609114.57	4170486.79	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
4071	609001.46	4170692.66	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.67E-05	2.42E-05
4072	609007.94	4170679.71	5.72E-04	2.55E-04	9.50E-05	4.45E-05	7.01E-05	2.54E-05
4073	609014.42	4170666.76	6.04E-04	2.69E-04	1.00E-04	4.69E-05	7.40E-05	2.68E-05
4074	609085.71	4170524.32	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.28E-05
4075	609092.19	4170511.37	1.25E-03	5.56E-04	2.08E-04	9.71E-05	1.53E-04	5.55E-05
4076	609098.67	4170498.42	1.31E-03	5.81E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
4077	609105.15	4170485.47	1.36E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.02E-05
4078	609111.63	4170472.52	1.40E-03	6.22E-04	2.32E-04	1.09E-04	1.71E-04	6.21E-05
4079	608998.09	4170706.48	5.25E-04	2.34E-04	8.73E-05	4.08E-05	6.44E-05	2.33E-05

Row		18	T2	T2L3	T4f
		Col	3	4	5
		Adjustment	100%	17%	12%
			Year 1	Year 1	Year 1
1	609307.7	4170737	2.62E-02	4.35E-03	3.21E-03
2	609317.6	4170737	3.21E-02	5.33E-03	3.93E-03
3	609327.4	4170737	4.14E-02	6.87E-03	5.07E-03
4	609337.3	4170737	5.58E-02	9.27E-03	6.84E-03
5	609347.1	4170737	7.50E-02	1.25E-02	9.20E-03
6	609357	4170737	9.44E-02	1.57E-02	1.16E-02
7	609366.8	4170737	1.11E-01	1.84E-02	1.36E-02
8	609376.7	4170737	1.24E-01	2.06E-02	1.52E-02
9	609386.5	4170737	1.35E-01	2.24E-02	1.65E-02
10	609396.3	4170737	1.46E-01	2.42E-02	1.78E-02
11	609406.2	4170737	1.55E-01	2.57E-02	1.90E-02
12	609416	4170737	1.63E-01	2.70E-02	1.99E-02
13	609425.9	4170737	1.69E-01	2.80E-02	2.07E-02
14	609435.7	4170737	1.74E-01	2.89E-02	2.13E-02
15	609445.6	4170737	1.78E-01	2.96E-02	2.19E-02
16	609455.4	4170737	1.82E-01	3.03E-02	2.24E-02
17	609465.2	4170737	1.86E-01	3.09E-02	2.28E-02
18	609475.1	4170737	1.89E-01	3.13E-02	2.31E-02
19	609484.9	4170737	1.91E-01	3.17E-02	2.34E-02
20	609494.8	4170737	1.93E-01	3.20E-02	2.36E-02
21	609504.6	4170737	1.94E-01	3.23E-02	2.38E-02
22	609514.5	4170737	1.97E-01	3.27E-02	2.41E-02
23	609524.3	4170737	1.99E-01	3.30E-02	2.44E-02
24	609534.1	4170738	2.00E-01	3.32E-02	2.45E-02
25	609544	4170738	1.99E-01	3.31E-02	2.44E-02
26	609553.8	4170738	1.98E-01	3.29E-02	2.43E-02
27	609563.7	4170738	1.96E-01	3.25E-02	2.40E-02
28	609573.5	4170738	1.92E-01	3.19E-02	2.36E-02
29	609583.4	4170738	1.87E-01	3.11E-02	2.30E-02
30	609593.2	4170738	1.79E-01	2.97E-02	2.19E-02
31	609300.6	4170744	2.09E-02	3.48E-03	2.57E-03
32	609290.6	4170733	2.05E-02	3.40E-03	2.51E-03
33	609317.5	4170747	2.65E-02	4.40E-03	3.25E-03
34	609327.4	4170747	3.24E-02	5.38E-03	3.97E-03
35	609337.2	4170747	4.08E-02	6.77E-03	5.00E-03
36	609347.1	4170747	5.15E-02	8.55E-03	6.31E-03
37	609356.9	4170747	6.30E-02	1.05E-02	7.73E-03
38	609366.8	4170747	7.39E-02	1.23E-02	9.07E-03
39	609376.6	4170747	8.37E-02	1.39E-02	1.03E-02
40	609386.5	4170747	9.24E-02	1.53E-02	1.13E-02
41	609396.3	4170747	1.00E-01	1.67E-02	1.23E-02
42	609406.1	4170747	1.07E-01	1.79E-02	1.32E-02
43	609416	4170747	1.14E-01	1.89E-02	1.39E-02
44	609425.8	4170747	1.19E-01	1.98E-02	1.46E-02
45	609435.7	4170747	1.24E-01	2.06E-02	1.52E-02
46	609445.5	4170747	1.28E-01	2.13E-02	1.57E-02
47	609455.4	4170747	1.32E-01	2.19E-02	1.61E-02

48	609465.2	4170747	1.35E-01	2.24E-02	1.65E-02
49	609475	4170747	1.37E-01	2.28E-02	1.69E-02
50	609484.9	4170747	1.40E-01	2.32E-02	1.71E-02
51	609494.7	4170747	1.42E-01	2.35E-02	1.74E-02
52	609504.6	4170747	1.43E-01	2.38E-02	1.76E-02
53	609514.4	4170747	1.45E-01	2.41E-02	1.78E-02
54	609524.3	4170747	1.46E-01	2.42E-02	1.79E-02
55	609534.1	4170748	1.46E-01	2.43E-02	1.80E-02
56	609543.9	4170748	1.46E-01	2.43E-02	1.80E-02
57	609553.8	4170748	1.46E-01	2.42E-02	1.79E-02
58	609563.6	4170748	1.45E-01	2.41E-02	1.78E-02
59	609573.5	4170748	1.43E-01	2.37E-02	1.75E-02
60	609583.3	4170748	1.39E-01	2.32E-02	1.71E-02
61	609593.2	4170748	1.34E-01	2.23E-02	1.65E-02
62	609300.6	4170754	1.84E-02	3.05E-03	2.25E-03
63	609283.5	4170740	1.71E-02	2.84E-03	2.09E-03
64	609317.5	4170757	2.24E-02	3.73E-03	2.75E-03
65	609327.3	4170757	2.65E-02	4.40E-03	3.25E-03
66	609356.9	4170757	4.59E-02	7.62E-03	5.62E-03
67	609366.7	4170757	5.33E-02	8.86E-03	6.54E-03
68	609376.6	4170757	6.04E-02	1.00E-02	7.41E-03
69	609386.4	4170757	6.70E-02	1.11E-02	8.22E-03
70	609396.2	4170757	7.31E-02	1.21E-02	8.96E-03
71	609406.1	4170757	7.86E-02	1.31E-02	9.64E-03
72	609415.9	4170757	8.36E-02	1.39E-02	1.03E-02
73	609425.8	4170757	8.83E-02	1.47E-02	1.08E-02
74	609435.6	4170757	9.25E-02	1.54E-02	1.13E-02
75	609445.5	4170757	9.62E-02	1.60E-02	1.18E-02
76	609455.3	4170757	9.94E-02	1.65E-02	1.22E-02
77	609465.2	4170757	1.02E-01	1.70E-02	1.25E-02
78	609475	4170757	1.05E-01	1.74E-02	1.28E-02
79	609484.8	4170757	1.07E-01	1.77E-02	1.31E-02
80	609494.7	4170757	1.09E-01	1.80E-02	1.33E-02
81	609504.5	4170757	1.10E-01	1.83E-02	1.35E-02
82	609514.4	4170757	1.11E-01	1.85E-02	1.36E-02
83	609524.2	4170757	1.12E-01	1.86E-02	1.38E-02
84	609534.1	4170758	1.13E-01	1.87E-02	1.38E-02
85	609543.9	4170758	1.13E-01	1.88E-02	1.39E-02
86	609553.7	4170758	1.13E-01	1.88E-02	1.38E-02
87	609563.6	4170758	1.12E-01	1.86E-02	1.38E-02
88	609573.4	4170758	1.11E-01	1.84E-02	1.36E-02
89	609583.3	4170758	1.09E-01	1.81E-02	1.33E-02
90	609593.1	4170758	1.05E-01	1.75E-02	1.29E-02
91	609300.5	4170764	1.63E-02	2.71E-03	2.00E-03
92	609286.3	4170757	1.48E-02	2.47E-03	1.82E-03
93	609276.4	4170747	1.46E-02	2.43E-03	1.79E-03
94	609317.5	4170767	1.94E-02	3.22E-03	2.38E-03
95	609327.3	4170767	2.23E-02	3.71E-03	2.73E-03
96	609298.7	4170773	1.44E-02	2.40E-03	1.77E-03
97	609289.8	4170769	1.37E-02	2.28E-03	1.68E-03
98	609280.9	4170765	1.31E-02	2.17E-03	1.60E-03
99	609268.5	4170753	1.28E-02	2.13E-03	1.58E-03

100	609264.9	4170744	1.33E-02	2.20E-03	1.63E-03
101	609307.6	4170777	1.52E-02	2.53E-03	1.87E-03
102	609317.4	4170777	1.70E-02	2.82E-03	2.08E-03
103	609327.3	4170777	1.92E-02	3.18E-03	2.35E-03
104	609366.6	4170777	3.24E-02	5.38E-03	3.97E-03
105	609376.5	4170777	3.63E-02	6.03E-03	4.45E-03
106	609386.3	4170777	4.02E-02	6.67E-03	4.93E-03
107	609396.2	4170777	4.39E-02	7.29E-03	5.38E-03
108	609406	4170777	4.74E-02	7.88E-03	5.82E-03
109	609415.8	4170777	5.08E-02	8.44E-03	6.23E-03
110	609425.7	4170777	5.41E-02	8.98E-03	6.63E-03
111	609435.5	4170777	5.71E-02	9.48E-03	7.00E-03
112	609445.4	4170777	5.98E-02	9.94E-03	7.34E-03
113	609455.2	4170777	6.22E-02	1.03E-02	7.63E-03
114	609465.1	4170777	6.44E-02	1.07E-02	7.90E-03
115	609474.9	4170777	6.64E-02	1.10E-02	8.14E-03
116	609484.7	4170777	6.81E-02	1.13E-02	8.35E-03
117	609494.6	4170777	6.96E-02	1.16E-02	8.53E-03
118	609504.4	4170777	7.09E-02	1.18E-02	8.69E-03
119	609514.3	4170777	7.20E-02	1.20E-02	8.82E-03
120	609524.1	4170777	7.28E-02	1.21E-02	8.93E-03
121	609534	4170778	7.34E-02	1.22E-02	9.00E-03
122	609543.8	4170778	7.39E-02	1.23E-02	9.06E-03
123	609553.7	4170778	7.40E-02	1.23E-02	9.08E-03
124	609563.5	4170778	7.39E-02	1.23E-02	9.06E-03
125	609573.3	4170778	7.34E-02	1.22E-02	9.00E-03
126	609583.2	4170778	7.24E-02	1.20E-02	8.88E-03
127	609593	4170778	7.09E-02	1.18E-02	8.70E-03
128	609299	4170783	1.31E-02	2.17E-03	1.60E-03
129	609290.5	4170779	1.25E-02	2.08E-03	1.54E-03
130	609282	4170776	1.20E-02	2.00E-03	1.47E-03
131	609273.4	4170772	1.15E-02	1.91E-03	1.41E-03
132	609261.5	4170760	1.14E-02	1.89E-03	1.39E-03
133	609258.1	4170751	1.17E-02	1.94E-03	1.43E-03
134	609307.5	4170787	1.37E-02	2.27E-03	1.67E-03
135	609317.4	4170787	1.51E-02	2.50E-03	1.85E-03
136	609327.2	4170787	1.67E-02	2.78E-03	2.05E-03
137	609366.6	4170787	2.66E-02	4.42E-03	3.27E-03
138	609376.4	4170787	2.96E-02	4.92E-03	3.63E-03
139	609386.3	4170787	3.26E-02	5.42E-03	4.00E-03
140	609396.1	4170787	3.56E-02	5.91E-03	4.37E-03
141	609406	4170787	3.85E-02	6.39E-03	4.72E-03
142	609415.8	4170787	4.12E-02	6.85E-03	5.06E-03
143	609425.6	4170787	4.40E-02	7.30E-03	5.39E-03
144	609435.5	4170787	4.65E-02	7.72E-03	5.70E-03
145	609445.3	4170787	4.88E-02	8.11E-03	5.99E-03
146	609455.2	4170787	5.09E-02	8.46E-03	6.24E-03
147	609465	4170787	5.28E-02	8.77E-03	6.48E-03
148	609474.9	4170787	5.46E-02	9.06E-03	6.69E-03
149	609484.7	4170787	5.61E-02	9.32E-03	6.88E-03
150	609494.5	4170787	5.75E-02	9.55E-03	7.05E-03
151	609504.4	4170787	5.87E-02	9.75E-03	7.19E-03

152	609514.2	4170787	5.97E-02	9.91E-03	7.32E-03
153	609524.1	4170787	6.05E-02	1.00E-02	7.42E-03
154	609533.9	4170788	6.11E-02	1.02E-02	7.50E-03
155	609543.8	4170788	6.16E-02	1.02E-02	7.55E-03
156	609553.6	4170788	6.18E-02	1.03E-02	7.58E-03
157	609563.4	4170788	6.18E-02	1.03E-02	7.58E-03
158	609573.3	4170788	6.16E-02	1.02E-02	7.55E-03
159	609583.1	4170788	6.10E-02	1.01E-02	7.48E-03
160	609593	4170788	5.99E-02	9.96E-03	7.35E-03
161	609299.2	4170793	1.19E-02	1.98E-03	1.46E-03
162	609290.9	4170789	1.15E-02	1.91E-03	1.41E-03
163	609274.3	4170782	1.07E-02	1.77E-03	1.31E-03
164	609254.4	4170767	1.02E-02	1.69E-03	1.25E-03
165	609307.5	4170797	1.23E-02	2.05E-03	1.51E-03
166	609317.3	4170797	1.35E-02	2.24E-03	1.65E-03
167	609327.2	4170797	1.48E-02	2.46E-03	1.81E-03
168	609356.7	4170797	2.02E-02	3.36E-03	2.48E-03
169	609366.5	4170797	2.24E-02	3.72E-03	2.75E-03
170	609376.4	4170797	2.47E-02	4.11E-03	3.03E-03
171	609386.2	4170797	2.71E-02	4.50E-03	3.32E-03
172	609396.1	4170797	2.95E-02	4.90E-03	3.62E-03
173	609405.9	4170797	3.19E-02	5.29E-03	3.91E-03
174	609415.8	4170797	3.41E-02	5.67E-03	4.19E-03
175	609425.6	4170797	3.64E-02	6.04E-03	4.46E-03
176	609435.4	4170797	3.85E-02	6.40E-03	4.72E-03
177	609445.3	4170797	4.05E-02	6.73E-03	4.97E-03
178	609455.1	4170797	4.23E-02	7.03E-03	5.19E-03
179	609465	4170797	4.40E-02	7.31E-03	5.40E-03
180	609474.8	4170797	4.55E-02	7.56E-03	5.58E-03
181	609484.7	4170797	4.69E-02	7.80E-03	5.75E-03
182	609494.5	4170797	4.82E-02	8.00E-03	5.91E-03
183	609504.3	4170797	4.93E-02	8.18E-03	6.04E-03
184	609514.2	4170797	5.02E-02	8.34E-03	6.16E-03
185	609524	4170797	5.10E-02	8.47E-03	6.25E-03
186	609533.9	4170798	5.16E-02	8.58E-03	6.33E-03
187	609543.7	4170798	5.21E-02	8.66E-03	6.39E-03
188	609553.6	4170798	5.24E-02	8.71E-03	6.43E-03
189	609563.4	4170798	5.25E-02	8.73E-03	6.44E-03
190	609573.2	4170798	5.24E-02	8.71E-03	6.43E-03
191	609583.1	4170798	5.21E-02	8.65E-03	6.38E-03
192	609592.9	4170798	5.14E-02	8.53E-03	6.30E-03
193	609299.3	4170803	1.09E-02	1.80E-03	1.33E-03
194	609283.1	4170796	1.02E-02	1.70E-03	1.25E-03
195	609266.8	4170789	9.59E-03	1.59E-03	1.18E-03
196	609247.4	4170774	9.17E-03	1.52E-03	1.12E-03
197	609317.3	4170807	1.21E-02	2.01E-03	1.48E-03
198	609327.1	4170807	1.32E-02	2.19E-03	1.62E-03
199	609356.6	4170807	1.75E-02	2.90E-03	2.14E-03
200	609366.5	4170807	1.92E-02	3.19E-03	2.35E-03
201	609376.3	4170807	2.10E-02	3.50E-03	2.58E-03
202	609386.2	4170807	2.30E-02	3.81E-03	2.81E-03
203	609396	4170807	2.49E-02	4.14E-03	3.05E-03

204	609405.9	4170807	2.68E-02	4.46E-03	3.29E-03
205	609415.7	4170807	2.87E-02	4.77E-03	3.52E-03
206	609425.6	4170807	3.06E-02	5.08E-03	3.75E-03
207	609435.4	4170807	3.24E-02	5.38E-03	3.97E-03
208	609445.2	4170807	3.41E-02	5.66E-03	4.18E-03
209	609455.1	4170807	3.57E-02	5.92E-03	4.37E-03
210	609464.9	4170807	3.71E-02	6.17E-03	4.55E-03
211	609474.8	4170807	3.85E-02	6.39E-03	4.72E-03
212	609484.6	4170807	3.97E-02	6.60E-03	4.87E-03
213	609494.5	4170807	4.09E-02	6.79E-03	5.01E-03
214	609504.3	4170807	4.19E-02	6.96E-03	5.14E-03
215	609514.1	4170807	4.28E-02	7.10E-03	5.24E-03
216	609524	4170807	4.35E-02	7.23E-03	5.34E-03
217	609533.8	4170808	4.41E-02	7.33E-03	5.41E-03
218	609543.7	4170808	4.46E-02	7.41E-03	5.47E-03
219	609553.5	4170808	4.50E-02	7.47E-03	5.51E-03
220	609563.4	4170808	4.52E-02	7.50E-03	5.54E-03
221	609573.2	4170808	4.52E-02	7.50E-03	5.54E-03
222	609583	4170808	4.49E-02	7.47E-03	5.51E-03
223	609592.9	4170808	4.45E-02	7.39E-03	5.45E-03
224	609299.4	4170813	9.95E-03	1.65E-03	1.22E-03
225	609283.4	4170806	9.45E-03	1.57E-03	1.16E-03
226	609267.4	4170800	8.94E-03	1.49E-03	1.10E-03
227	609317.2	4170817	1.10E-02	1.82E-03	1.34E-03
228	609327.1	4170817	1.18E-02	1.97E-03	1.45E-03
229	609336.9	4170817	1.29E-02	2.13E-03	1.58E-03
230	609356.6	4170817	1.53E-02	2.54E-03	1.88E-03
231	609366.4	4170817	1.67E-02	2.77E-03	2.05E-03
232	609376.3	4170817	1.82E-02	3.02E-03	2.23E-03
233	609386.1	4170817	1.97E-02	3.28E-03	2.42E-03
234	609396	4170817	2.13E-02	3.54E-03	2.61E-03
235	609405.8	4170817	2.29E-02	3.81E-03	2.81E-03
236	609415.7	4170817	2.45E-02	4.07E-03	3.00E-03
237	609425.5	4170817	2.61E-02	4.33E-03	3.20E-03
238	609435.3	4170817	2.76E-02	4.58E-03	3.38E-03
239	609445.2	4170817	2.90E-02	4.82E-03	3.56E-03
240	609455	4170817	3.04E-02	5.05E-03	3.73E-03
241	609464.9	4170817	3.17E-02	5.26E-03	3.89E-03
242	609474.7	4170817	3.29E-02	5.46E-03	4.03E-03
243	609484.6	4170817	3.40E-02	5.65E-03	4.17E-03
244	609494.4	4170817	3.51E-02	5.82E-03	4.30E-03
245	609504.3	4170817	3.60E-02	5.98E-03	4.41E-03
246	609514.1	4170817	3.68E-02	6.11E-03	4.51E-03
247	609523.9	4170817	3.75E-02	6.23E-03	4.60E-03
248	609533.8	4170818	3.81E-02	6.33E-03	4.67E-03
249	609543.6	4170818	3.86E-02	6.41E-03	4.73E-03
250	609553.5	4170818	3.90E-02	6.47E-03	4.78E-03
251	609563.3	4170818	3.92E-02	6.51E-03	4.81E-03
252	609573.2	4170818	3.93E-02	6.52E-03	4.82E-03
253	609583	4170818	3.92E-02	6.51E-03	4.80E-03
254	609592.8	4170818	3.89E-02	6.46E-03	4.77E-03
255	609298.5	4170823	9.13E-03	1.52E-03	1.12E-03

256	609289.6	4170819	8.90E-03	1.48E-03	1.09E-03
257	609280.7	4170815	8.68E-03	1.44E-03	1.06E-03
258	609214.9	4170743	8.32E-03	1.38E-03	1.02E-03
259	609211.4	4170734	8.37E-03	1.39E-03	1.03E-03
260	609307.3	4170827	9.36E-03	1.55E-03	1.15E-03
261	609317.2	4170827	9.98E-03	1.66E-03	1.22E-03
262	609327	4170827	1.07E-02	1.78E-03	1.31E-03
263	609336.9	4170827	1.15E-02	1.92E-03	1.42E-03
264	609356.6	4170827	1.35E-02	2.25E-03	1.66E-03
265	609366.4	4170827	1.47E-02	2.44E-03	1.80E-03
266	609376.2	4170827	1.59E-02	2.64E-03	1.95E-03
267	609386.1	4170827	1.72E-02	2.85E-03	2.11E-03
268	609395.9	4170827	1.85E-02	3.07E-03	2.27E-03
269	609405.8	4170827	1.98E-02	3.29E-03	2.43E-03
270	609415.6	4170827	2.12E-02	3.51E-03	2.59E-03
271	609425.5	4170827	2.25E-02	3.73E-03	2.76E-03
272	609435.3	4170827	2.38E-02	3.95E-03	2.91E-03
273	609445.1	4170827	2.50E-02	4.15E-03	3.07E-03
274	609455	4170827	2.62E-02	4.35E-03	3.21E-03
275	609464.8	4170827	2.73E-02	4.54E-03	3.35E-03
276	609474.7	4170827	2.84E-02	4.72E-03	3.48E-03
277	609484.5	4170827	2.94E-02	4.89E-03	3.61E-03
278	609494.4	4170827	3.04E-02	5.04E-03	3.72E-03
279	609504.2	4170827	3.12E-02	5.18E-03	3.83E-03
280	609514.1	4170827	3.20E-02	5.31E-03	3.92E-03
281	609523.9	4170827	3.26E-02	5.42E-03	4.00E-03
282	609533.7	4170828	3.32E-02	5.51E-03	4.07E-03
283	609543.6	4170828	3.37E-02	5.59E-03	4.13E-03
284	609553.4	4170828	3.41E-02	5.66E-03	4.17E-03
285	609563.3	4170828	3.43E-02	5.70E-03	4.21E-03
286	609573.1	4170828	3.44E-02	5.72E-03	4.22E-03
287	609583	4170828	3.44E-02	5.72E-03	4.22E-03
288	609592.8	4170828	3.42E-02	5.69E-03	4.20E-03
289	609298.6	4170833	8.43E-03	1.40E-03	1.03E-03
290	609289.9	4170829	8.25E-03	1.37E-03	1.01E-03
291	609246.5	4170811	7.31E-03	1.21E-03	8.96E-04
292	609237.9	4170807	7.09E-03	1.18E-03	8.70E-04
293	609225.7	4170795	7.04E-03	1.17E-03	8.64E-04
294	609222.2	4170786	7.20E-03	1.20E-03	8.83E-04
295	609218.7	4170777	7.34E-03	1.22E-03	9.00E-04
296	609208.3	4170751	7.64E-03	1.27E-03	9.36E-04
297	609204.8	4170742	7.69E-03	1.28E-03	9.42E-04
298	609201.3	4170733	7.72E-03	1.28E-03	9.46E-04
299	609307.3	4170837	8.62E-03	1.43E-03	1.06E-03
300	609317.1	4170837	9.15E-03	1.52E-03	1.12E-03
301	609327	4170837	9.75E-03	1.62E-03	1.20E-03
302	609356.5	4170837	1.21E-02	2.01E-03	1.48E-03
303	609366.4	4170837	1.30E-02	2.16E-03	1.60E-03
304	609376.2	4170837	1.40E-02	2.33E-03	1.72E-03
305	609386	4170837	1.51E-02	2.51E-03	1.85E-03
306	609395.9	4170837	1.62E-02	2.69E-03	1.99E-03
307	609405.7	4170837	1.73E-02	2.88E-03	2.12E-03

308	609415.6	4170837	1.85E-02	3.07E-03	2.26E-03
309	609425.4	4170837	1.96E-02	3.25E-03	2.40E-03
310	609435.3	4170837	2.07E-02	3.44E-03	2.54E-03
311	609445.1	4170837	2.18E-02	3.61E-03	2.67E-03
312	609454.9	4170837	2.28E-02	3.79E-03	2.80E-03
313	609464.8	4170837	2.38E-02	3.95E-03	2.92E-03
314	609474.6	4170837	2.47E-02	4.11E-03	3.03E-03
315	609484.5	4170837	2.56E-02	4.26E-03	3.14E-03
316	609494.3	4170837	2.65E-02	4.40E-03	3.25E-03
317	609504.2	4170837	2.73E-02	4.53E-03	3.34E-03
318	609514	4170837	2.80E-02	4.64E-03	3.43E-03
319	609523.8	4170837	2.86E-02	4.75E-03	3.51E-03
320	609533.7	4170838	2.91E-02	4.84E-03	3.57E-03
321	609543.5	4170838	2.96E-02	4.92E-03	3.63E-03
322	609553.4	4170838	3.00E-02	4.98E-03	3.67E-03
323	609563.2	4170838	3.02E-02	5.02E-03	3.71E-03
324	609573.1	4170838	3.04E-02	5.05E-03	3.73E-03
325	609582.9	4170838	3.05E-02	5.06E-03	3.73E-03
326	609592.8	4170838	3.04E-02	5.04E-03	3.72E-03
327	609264.6	4170828	7.23E-03	1.20E-03	8.86E-04
328	609256.1	4170825	7.07E-03	1.17E-03	8.67E-04
329	609247.6	4170821	6.91E-03	1.15E-03	8.47E-04
330	609239.1	4170818	6.73E-03	1.12E-03	8.25E-04
331	609230.5	4170814	6.55E-03	1.09E-03	8.03E-04
332	609218.6	4170802	6.51E-03	1.08E-03	7.98E-04
333	609215.2	4170793	6.65E-03	1.10E-03	8.15E-04
334	609211.8	4170785	6.77E-03	1.13E-03	8.30E-04
335	609201.5	4170759	7.04E-03	1.17E-03	8.64E-04
336	609198.1	4170750	7.09E-03	1.18E-03	8.70E-04
337	609194.7	4170742	7.13E-03	1.18E-03	8.74E-04
338	609191.2	4170733	7.15E-03	1.19E-03	8.76E-04
339	609356.5	4170847	1.09E-02	1.81E-03	1.33E-03
340	609366.3	4170847	1.17E-02	1.94E-03	1.43E-03
341	609376.2	4170847	1.25E-02	2.08E-03	1.53E-03
342	609386	4170847	1.34E-02	2.23E-03	1.64E-03
343	609395.8	4170847	1.43E-02	2.38E-03	1.76E-03
344	609405.7	4170847	1.53E-02	2.54E-03	1.87E-03
345	609415.5	4170847	1.62E-02	2.70E-03	1.99E-03
346	609425.4	4170847	1.72E-02	2.86E-03	2.11E-03
347	609454.9	4170847	2.00E-02	3.32E-03	2.45E-03
348	609464.7	4170847	2.09E-02	3.47E-03	2.56E-03
349	609474.6	4170847	2.17E-02	3.61E-03	2.66E-03
350	609484.4	4170847	2.25E-02	3.74E-03	2.76E-03
351	609494.3	4170847	2.33E-02	3.87E-03	2.86E-03
352	609504.1	4170847	2.40E-02	3.98E-03	2.94E-03
353	609533.6	4170848	2.57E-02	4.28E-03	3.16E-03
354	609543.5	4170848	2.62E-02	4.35E-03	3.21E-03
355	609553.3	4170848	2.66E-02	4.41E-03	3.26E-03
356	609563.2	4170848	2.68E-02	4.46E-03	3.29E-03
357	609573	4170848	2.70E-02	4.49E-03	3.31E-03
358	609582.9	4170848	2.71E-02	4.50E-03	3.32E-03
359	609592.7	4170848	2.71E-02	4.50E-03	3.32E-03

360	609273.6	4170842	6.91E-03	1.15E-03	8.47E-04
361	609265.2	4170839	6.79E-03	1.13E-03	8.32E-04
362	609256.8	4170835	6.66E-03	1.11E-03	8.16E-04
363	609248.4	4170832	6.52E-03	1.08E-03	8.00E-04
364	609240.1	4170828	6.38E-03	1.06E-03	7.82E-04
365	609231.7	4170825	6.23E-03	1.04E-03	7.64E-04
366	609223.3	4170821	6.07E-03	1.01E-03	7.44E-04
367	609211.5	4170809	6.04E-03	1.00E-03	7.40E-04
368	609208.1	4170800	6.16E-03	1.02E-03	7.56E-04
369	609204.8	4170792	6.28E-03	1.04E-03	7.70E-04
370	609194.7	4170767	6.52E-03	1.08E-03	8.00E-04
371	609187.9	4170750	6.61E-03	1.10E-03	8.10E-04
372	609184.6	4170741	6.63E-03	1.10E-03	8.13E-04
373	609181.2	4170733	6.64E-03	1.10E-03	8.14E-04
374	609307.2	4170857	7.38E-03	1.23E-03	9.04E-04
375	609317	4170857	7.77E-03	1.29E-03	9.52E-04
376	609326.9	4170857	8.20E-03	1.36E-03	1.01E-03
377	609336.7	4170857	8.69E-03	1.44E-03	1.07E-03
378	609356.4	4170857	9.84E-03	1.64E-03	1.21E-03
379	609366.3	4170857	1.05E-02	1.75E-03	1.29E-03
380	609376.1	4170857	1.12E-02	1.87E-03	1.38E-03
381	609386	4170857	1.20E-02	1.99E-03	1.47E-03
382	609395.8	4170857	1.28E-02	2.12E-03	1.57E-03
383	609405.6	4170857	1.36E-02	2.26E-03	1.67E-03
384	609415.5	4170857	1.44E-02	2.39E-03	1.77E-03
385	609425.3	4170857	1.52E-02	2.53E-03	1.87E-03
386	609454.9	4170857	1.77E-02	2.94E-03	2.17E-03
387	609464.7	4170857	1.85E-02	3.07E-03	2.26E-03
388	609474.5	4170857	1.92E-02	3.19E-03	2.36E-03
389	609484.4	4170857	1.99E-02	3.31E-03	2.44E-03
390	609494.2	4170857	2.06E-02	3.42E-03	2.53E-03
391	609504.1	4170857	2.12E-02	3.53E-03	2.61E-03
392	609533.6	4170858	2.29E-02	3.80E-03	2.81E-03
393	609543.4	4170858	2.33E-02	3.87E-03	2.86E-03
394	609553.3	4170858	2.37E-02	3.93E-03	2.90E-03
395	609563.1	4170858	2.39E-02	3.98E-03	2.94E-03
396	609573	4170858	2.42E-02	4.01E-03	2.96E-03
397	609582.8	4170858	2.43E-02	4.03E-03	2.98E-03
398	609592.7	4170858	2.43E-02	4.03E-03	2.98E-03
399	609298.1	4170863	6.75E-03	1.12E-03	8.28E-04
400	609271	4170851	6.44E-03	1.07E-03	7.90E-04
401	609262	4170847	6.33E-03	1.05E-03	7.76E-04
402	609252.9	4170844	6.21E-03	1.03E-03	7.62E-04
403	609243.9	4170840	6.09E-03	1.01E-03	7.46E-04
404	609234.8	4170836	5.95E-03	9.89E-04	7.30E-04
405	609225.8	4170832	5.81E-03	9.65E-04	7.12E-04
406	609216.8	4170828	5.66E-03	9.40E-04	6.94E-04
407	609204.1	4170815	5.63E-03	9.35E-04	6.90E-04
408	609200.5	4170806	5.75E-03	9.55E-04	7.05E-04
409	609196.8	4170797	5.86E-03	9.73E-04	7.18E-04
410	609186	4170770	6.09E-03	1.01E-03	7.47E-04
411	609182.3	4170761	6.13E-03	1.02E-03	7.52E-04

412	609178.7	4170751	6.17E-03	1.02E-03	7.56E-04
413	609175.1	4170742	6.18E-03	1.03E-03	7.58E-04
414	609171.4	4170733	6.19E-03	1.03E-03	7.59E-04
415	609307.2	4170867	6.86E-03	1.14E-03	8.41E-04
416	609317	4170867	7.19E-03	1.19E-03	8.82E-04
417	609326.8	4170867	7.57E-03	1.26E-03	9.28E-04
418	609336.7	4170867	7.99E-03	1.33E-03	9.79E-04
419	609356.4	4170867	8.97E-03	1.49E-03	1.10E-03
420	609366.2	4170867	9.53E-03	1.58E-03	1.17E-03
421	609376.1	4170867	1.01E-02	1.69E-03	1.24E-03
422	609385.9	4170867	1.08E-02	1.79E-03	1.32E-03
423	609395.7	4170867	1.15E-02	1.90E-03	1.41E-03
424	609405.6	4170867	1.22E-02	2.02E-03	1.49E-03
425	609415.4	4170867	1.29E-02	2.14E-03	1.58E-03
426	609425.3	4170867	1.36E-02	2.26E-03	1.67E-03
427	609454.8	4170867	1.58E-02	2.62E-03	1.93E-03
428	609464.7	4170867	1.64E-02	2.73E-03	2.02E-03
429	609474.5	4170867	1.71E-02	2.84E-03	2.10E-03
430	609484.3	4170867	1.78E-02	2.95E-03	2.18E-03
431	609494.2	4170867	1.84E-02	3.05E-03	2.25E-03
432	609504	4170867	1.89E-02	3.15E-03	2.32E-03
433	609533.6	4170868	2.05E-02	3.40E-03	2.51E-03
434	609543.4	4170868	2.09E-02	3.46E-03	2.56E-03
435	609553.2	4170868	2.12E-02	3.52E-03	2.60E-03
436	609563.1	4170868	2.15E-02	3.57E-03	2.63E-03
437	609572.9	4170868	2.17E-02	3.60E-03	2.66E-03
438	609582.8	4170868	2.18E-02	3.63E-03	2.68E-03
439	609592.6	4170868	2.19E-02	3.64E-03	2.68E-03
440	609298.2	4170873	6.30E-03	1.05E-03	7.73E-04
441	609289.4	4170869	6.22E-03	1.03E-03	7.63E-04
442	609262.7	4170858	5.97E-03	9.91E-04	7.31E-04
443	609253.8	4170854	5.87E-03	9.75E-04	7.19E-04
444	609245	4170850	5.76E-03	9.57E-04	7.07E-04
445	609236.1	4170846	5.65E-03	9.39E-04	6.93E-04
446	609227.2	4170843	5.54E-03	9.20E-04	6.79E-04
447	609218.3	4170839	5.41E-03	8.99E-04	6.64E-04
448	609209.5	4170835	5.28E-03	8.78E-04	6.48E-04
449	609197	4170822	5.26E-03	8.74E-04	6.45E-04
450	609193.5	4170814	5.36E-03	8.91E-04	6.58E-04
451	609189.9	4170805	5.46E-03	9.07E-04	6.70E-04
452	609179.2	4170778	5.68E-03	9.43E-04	6.96E-04
453	609175.6	4170769	5.72E-03	9.50E-04	7.02E-04
454	609172.1	4170760	5.76E-03	9.56E-04	7.06E-04
455	609168.5	4170751	5.78E-03	9.59E-04	7.08E-04
456	609164.9	4170742	5.78E-03	9.61E-04	7.09E-04
457	609161.4	4170733	5.78E-03	9.60E-04	7.09E-04
458	609307.1	4170877	6.39E-03	1.06E-03	7.83E-04
459	609317	4170877	6.68E-03	1.11E-03	8.19E-04
460	609326.8	4170877	7.01E-03	1.16E-03	8.59E-04
461	609336.6	4170877	7.37E-03	1.22E-03	9.04E-04
462	609356.3	4170877	8.21E-03	1.36E-03	1.01E-03
463	609366.2	4170877	8.69E-03	1.44E-03	1.07E-03

464	609376	4170877	9.21E-03	1.53E-03	1.13E-03
465	609385.9	4170877	9.77E-03	1.62E-03	1.20E-03
466	609395.7	4170877	1.04E-02	1.72E-03	1.27E-03
467	609405.5	4170877	1.10E-02	1.82E-03	1.34E-03
468	609415.4	4170877	1.16E-02	1.92E-03	1.42E-03
469	609425.2	4170877	1.22E-02	2.03E-03	1.50E-03
470	609454.8	4170877	1.41E-02	2.34E-03	1.73E-03
471	609464.6	4170877	1.47E-02	2.45E-03	1.81E-03
472	609474.5	4170877	1.53E-02	2.55E-03	1.88E-03
473	609484.3	4170877	1.59E-02	2.64E-03	1.95E-03
474	609494.1	4170877	1.65E-02	2.73E-03	2.02E-03
475	609504	4170877	1.70E-02	2.82E-03	2.08E-03
476	609533.5	4170878	1.84E-02	3.05E-03	2.25E-03
477	609543.4	4170878	1.87E-02	3.11E-03	2.30E-03
478	609553.2	4170878	1.91E-02	3.17E-03	2.34E-03
479	609563	4170878	1.94E-02	3.22E-03	2.37E-03
480	609572.9	4170878	1.96E-02	3.25E-03	2.40E-03
481	609582.7	4170878	1.97E-02	3.28E-03	2.42E-03
482	609592.6	4170878	1.98E-02	3.29E-03	2.43E-03
483	609298.3	4170883	5.90E-03	9.80E-04	7.23E-04
484	609289.6	4170879	5.83E-03	9.68E-04	7.15E-04
485	609280.8	4170875	5.76E-03	9.57E-04	7.07E-04
486	609254.6	4170864	5.55E-03	9.21E-04	6.80E-04
487	609245.9	4170861	5.46E-03	9.07E-04	6.69E-04
488	609237.1	4170857	5.37E-03	8.92E-04	6.58E-04
489	609228.4	4170853	5.27E-03	8.76E-04	6.46E-04
490	609219.7	4170850	5.17E-03	8.59E-04	6.34E-04
491	609210.9	4170846	5.06E-03	8.41E-04	6.21E-04
492	609202.2	4170842	4.95E-03	8.22E-04	6.07E-04
493	609189.9	4170830	4.93E-03	8.19E-04	6.04E-04
494	609186.4	4170821	5.02E-03	8.34E-04	6.16E-04
495	609182.9	4170812	5.11E-03	8.49E-04	6.26E-04
496	609172.4	4170785	5.31E-03	8.82E-04	6.51E-04
497	609168.9	4170777	5.36E-03	8.90E-04	6.57E-04
498	609165.4	4170768	5.39E-03	8.96E-04	6.61E-04
499	609161.9	4170759	5.41E-03	8.99E-04	6.64E-04
500	609158.3	4170750	5.42E-03	9.01E-04	6.65E-04
501	609154.8	4170741	5.42E-03	9.01E-04	6.65E-04
502	609151.3	4170733	5.42E-03	9.00E-04	6.64E-04
503	609307.1	4170887	5.97E-03	9.91E-04	7.32E-04
504	609316.9	4170887	6.22E-03	1.03E-03	7.63E-04
505	609326.8	4170887	6.51E-03	1.08E-03	7.98E-04
506	609336.6	4170887	6.82E-03	1.13E-03	8.36E-04
507	609356.3	4170887	7.55E-03	1.25E-03	9.26E-04
508	609366.1	4170887	7.96E-03	1.32E-03	9.76E-04
509	609376	4170887	8.41E-03	1.40E-03	1.03E-03
510	609385.8	4170887	8.89E-03	1.48E-03	1.09E-03
511	609395.7	4170887	9.40E-03	1.56E-03	1.15E-03
512	609405.5	4170887	9.93E-03	1.65E-03	1.22E-03
513	609415.3	4170887	1.05E-02	1.74E-03	1.28E-03
514	609425.2	4170887	1.10E-02	1.83E-03	1.35E-03
515	609454.7	4170887	1.27E-02	2.11E-03	1.56E-03

516	609464.6	4170887	1.33E-02	2.20E-03	1.63E-03
517	609474.4	4170887	1.38E-02	2.29E-03	1.69E-03
518	609484.2	4170887	1.43E-02	2.38E-03	1.76E-03
519	609494.1	4170887	1.48E-02	2.46E-03	1.82E-03
520	609503.9	4170887	1.53E-02	2.54E-03	1.88E-03
521	609533.5	4170888	1.66E-02	2.75E-03	2.03E-03
522	609543.3	4170888	1.69E-02	2.81E-03	2.08E-03
523	609553.2	4170888	1.73E-02	2.87E-03	2.12E-03
524	609563	4170888	1.75E-02	2.91E-03	2.15E-03
525	609572.8	4170888	1.77E-02	2.95E-03	2.17E-03
526	609582.7	4170888	1.79E-02	2.97E-03	2.19E-03
527	609592.5	4170888	1.80E-02	2.99E-03	2.21E-03
528	609298.4	4170893	5.53E-03	9.18E-04	6.78E-04
529	609289.8	4170889	5.47E-03	9.09E-04	6.71E-04
530	609281.2	4170886	5.42E-03	9.00E-04	6.65E-04
531	609272.5	4170882	5.37E-03	8.91E-04	6.58E-04
532	609246.7	4170871	5.18E-03	8.60E-04	6.35E-04
533	609238	4170867	5.10E-03	8.47E-04	6.25E-04
534	609229.4	4170864	5.02E-03	8.34E-04	6.16E-04
535	609220.8	4170860	4.94E-03	8.20E-04	6.05E-04
536	609212.2	4170856	4.85E-03	8.05E-04	5.94E-04
537	609203.5	4170853	4.75E-03	7.90E-04	5.83E-04
538	609194.9	4170849	4.65E-03	7.73E-04	5.71E-04
539	609182.8	4170837	4.64E-03	7.70E-04	5.68E-04
540	609179.4	4170828	4.72E-03	7.84E-04	5.79E-04
541	609175.9	4170819	4.80E-03	7.97E-04	5.88E-04
542	609162.1	4170784	5.03E-03	8.36E-04	6.17E-04
543	609158.6	4170776	5.07E-03	8.42E-04	6.21E-04
544	609155.1	4170767	5.09E-03	8.45E-04	6.24E-04
545	609151.7	4170758	5.10E-03	8.47E-04	6.25E-04
546	609148.2	4170750	5.10E-03	8.48E-04	6.26E-04
547	609144.7	4170741	5.10E-03	8.46E-04	6.25E-04
548	609141.3	4170732	5.09E-03	8.45E-04	6.24E-04
549	609307	4170897	5.58E-03	9.28E-04	6.85E-04
550	609316.9	4170897	5.81E-03	9.65E-04	7.12E-04
551	609326.7	4170897	6.06E-03	1.01E-03	7.43E-04
552	609336.6	4170897	6.33E-03	1.05E-03	7.77E-04
553	609356.2	4170897	6.97E-03	1.16E-03	8.54E-04
554	609366.1	4170897	7.33E-03	1.22E-03	8.99E-04
555	609375.9	4170897	7.72E-03	1.28E-03	9.46E-04
556	609385.8	4170897	8.14E-03	1.35E-03	9.97E-04
557	609395.6	4170897	8.58E-03	1.43E-03	1.05E-03
558	609405.5	4170897	9.04E-03	1.50E-03	1.11E-03
559	609415.3	4170897	9.52E-03	1.58E-03	1.17E-03
560	609425.1	4170897	1.00E-02	1.66E-03	1.23E-03
561	609454.7	4170897	1.15E-02	1.91E-03	1.41E-03
562	609464.5	4170897	1.20E-02	1.99E-03	1.47E-03
563	609474.4	4170897	1.25E-02	2.07E-03	1.53E-03
564	609484.2	4170897	1.30E-02	2.15E-03	1.59E-03
565	609494	4170897	1.34E-02	2.23E-03	1.64E-03
566	609503.9	4170897	1.39E-02	2.30E-03	1.70E-03
567	609533.4	4170898	1.50E-02	2.50E-03	1.84E-03

568	609543.3	4170898	1.54E-02	2.55E-03	1.88E-03
569	609553.1	4170898	1.57E-02	2.60E-03	1.92E-03
570	609563	4170898	1.59E-02	2.64E-03	1.95E-03
571	609572.8	4170898	1.61E-02	2.68E-03	1.98E-03
572	609582.6	4170898	1.63E-02	2.71E-03	2.00E-03
573	609592.5	4170898	1.64E-02	2.72E-03	2.01E-03
574	609298.5	4170903	5.19E-03	8.62E-04	6.37E-04
575	609289.9	4170899	5.15E-03	8.55E-04	6.31E-04
576	609281.4	4170896	5.10E-03	8.48E-04	6.26E-04
577	609272.9	4170892	5.06E-03	8.40E-04	6.20E-04
578	609264.4	4170888	5.02E-03	8.33E-04	6.15E-04
579	609238.8	4170878	4.85E-03	8.05E-04	5.94E-04
580	609230.3	4170874	4.78E-03	7.94E-04	5.86E-04
581	609221.8	4170870	4.71E-03	7.83E-04	5.78E-04
582	609213.2	4170867	4.64E-03	7.71E-04	5.69E-04
583	609204.7	4170863	4.56E-03	7.58E-04	5.59E-04
584	609196.2	4170860	4.48E-03	7.44E-04	5.49E-04
585	609187.7	4170856	4.39E-03	7.29E-04	5.38E-04
586	609175.7	4170844	4.37E-03	7.26E-04	5.36E-04
587	609172.3	4170835	4.45E-03	7.38E-04	5.45E-04
588	609168.9	4170827	4.51E-03	7.50E-04	5.54E-04
589	609165.5	4170818	4.58E-03	7.61E-04	5.61E-04
590	609155.2	4170792	4.74E-03	7.87E-04	5.81E-04
591	609151.8	4170784	4.77E-03	7.93E-04	5.85E-04
592	609148.3	4170775	4.80E-03	7.97E-04	5.88E-04
593	609144.9	4170766	4.81E-03	7.99E-04	5.90E-04
594	609141.5	4170758	4.82E-03	8.00E-04	5.90E-04
595	609138.1	4170749	4.81E-03	7.99E-04	5.90E-04
596	609134.7	4170741	4.80E-03	7.98E-04	5.89E-04
597	609307	4170907	5.24E-03	8.70E-04	6.42E-04
598	609316.8	4170907	5.44E-03	9.03E-04	6.67E-04
599	609326.7	4170907	5.66E-03	9.40E-04	6.94E-04
600	609336.5	4170907	5.90E-03	9.80E-04	7.23E-04
601	609366	4170907	6.77E-03	1.12E-03	8.30E-04
602	609375.9	4170907	7.11E-03	1.18E-03	8.72E-04
603	609385.7	4170907	7.48E-03	1.24E-03	9.17E-04
604	609395.6	4170907	7.86E-03	1.31E-03	9.64E-04
605	609405.4	4170907	8.27E-03	1.37E-03	1.01E-03
606	609415.3	4170907	8.69E-03	1.44E-03	1.07E-03
607	609425.1	4170907	9.13E-03	1.52E-03	1.12E-03
608	609454.6	4170907	1.05E-02	1.74E-03	1.28E-03
609	609464.5	4170907	1.09E-02	1.81E-03	1.34E-03
610	609474.3	4170907	1.13E-02	1.88E-03	1.39E-03
611	609484.2	4170907	1.18E-02	1.96E-03	1.44E-03
612	609494	4170907	1.22E-02	2.03E-03	1.50E-03
613	609503.8	4170907	1.26E-02	2.09E-03	1.54E-03
614	609533.4	4170908	1.37E-02	2.27E-03	1.68E-03
615	609543.2	4170908	1.40E-02	2.32E-03	1.72E-03
616	609553.1	4170908	1.43E-02	2.37E-03	1.75E-03
617	609562.9	4170908	1.45E-02	2.41E-03	1.78E-03
618	609572.7	4170908	1.47E-02	2.45E-03	1.81E-03
619	609582.6	4170908	1.49E-02	2.47E-03	1.83E-03

620	609592.4	4170908	1.50E-02	2.49E-03	1.84E-03
621	609297.9	4170913	4.88E-03	8.11E-04	5.99E-04
622	609288.9	4170909	4.84E-03	8.04E-04	5.94E-04
623	609279.9	4170905	4.80E-03	7.98E-04	5.89E-04
624	609270.9	4170901	4.77E-03	7.92E-04	5.84E-04
625	609262	4170897	4.73E-03	7.85E-04	5.80E-04
626	609235	4170886	4.58E-03	7.61E-04	5.62E-04
627	609226	4170882	4.52E-03	7.51E-04	5.55E-04
628	609217	4170878	4.46E-03	7.41E-04	5.47E-04
629	609208	4170875	4.39E-03	7.29E-04	5.38E-04
630	609199	4170871	4.32E-03	7.17E-04	5.29E-04
631	609190	4170867	4.24E-03	7.04E-04	5.19E-04
632	609181	4170863	4.15E-03	6.89E-04	5.09E-04
633	609168.4	4170850	4.14E-03	6.87E-04	5.07E-04
634	609164.8	4170841	4.21E-03	6.99E-04	5.16E-04
635	609161.2	4170832	4.27E-03	7.10E-04	5.24E-04
636	609146.7	4170796	4.49E-03	7.45E-04	5.50E-04
637	609143.1	4170787	4.52E-03	7.51E-04	5.54E-04
638	609139.5	4170778	4.54E-03	7.55E-04	5.57E-04
639	609135.9	4170769	4.55E-03	7.57E-04	5.58E-04
640	609132.3	4170760	4.56E-03	7.57E-04	5.59E-04
641	609128.7	4170750	4.55E-03	7.56E-04	5.58E-04
642	609306.9	4170917	4.92E-03	8.17E-04	6.03E-04
643	609316.8	4170917	5.10E-03	8.47E-04	6.25E-04
644	609326.6	4170917	5.29E-03	8.79E-04	6.49E-04
645	609336.5	4170917	5.51E-03	9.15E-04	6.75E-04
646	609366	4170917	6.28E-03	1.04E-03	7.70E-04
647	609375.8	4170917	6.58E-03	1.09E-03	8.06E-04
648	609385.7	4170917	6.90E-03	1.15E-03	8.46E-04
649	609395.5	4170917	7.24E-03	1.20E-03	8.88E-04
650	609405.4	4170917	7.60E-03	1.26E-03	9.32E-04
651	609415.2	4170917	7.97E-03	1.32E-03	9.77E-04
652	609425.1	4170917	8.36E-03	1.39E-03	1.03E-03
653	609454.6	4170917	9.56E-03	1.59E-03	1.17E-03
654	609464.4	4170917	9.96E-03	1.65E-03	1.22E-03
655	609474.3	4170917	1.04E-02	1.72E-03	1.27E-03
656	609484.1	4170917	1.07E-02	1.79E-03	1.32E-03
657	609494	4170917	1.11E-02	1.85E-03	1.36E-03
658	609503.8	4170917	1.15E-02	1.91E-03	1.41E-03
659	609533.3	4170918	1.25E-02	2.08E-03	1.53E-03
660	609543.2	4170918	1.28E-02	2.12E-03	1.57E-03
661	609553	4170918	1.31E-02	2.17E-03	1.60E-03
662	609562.9	4170918	1.33E-02	2.21E-03	1.63E-03
663	609572.7	4170918	1.35E-02	2.24E-03	1.65E-03
664	609582.5	4170918	1.36E-02	2.27E-03	1.67E-03
665	609592.4	4170918	1.38E-02	2.29E-03	1.69E-03
666	609298	4170923	4.60E-03	7.64E-04	5.64E-04
667	609289.1	4170919	4.57E-03	7.59E-04	5.60E-04
668	609280.3	4170915	4.54E-03	7.54E-04	5.56E-04
669	609271.4	4170911	4.50E-03	7.48E-04	5.52E-04
670	609262.5	4170908	4.47E-03	7.43E-04	5.48E-04
671	609253.6	4170904	4.44E-03	7.38E-04	5.44E-04

672	609227	4170893	4.32E-03	7.17E-04	5.29E-04
673	609218.1	4170889	4.26E-03	7.08E-04	5.23E-04
674	609209.2	4170885	4.21E-03	6.99E-04	5.16E-04
675	609200.4	4170881	4.15E-03	6.89E-04	5.08E-04
676	609191.5	4170878	4.08E-03	6.77E-04	5.00E-04
677	609182.6	4170874	4.01E-03	6.65E-04	4.91E-04
678	609154.2	4170840	4.04E-03	6.71E-04	4.96E-04
679	609150.6	4170831	4.10E-03	6.81E-04	5.02E-04
680	609139.9	4170804	4.24E-03	7.04E-04	5.20E-04
681	609136.3	4170795	4.27E-03	7.10E-04	5.24E-04
682	609132.8	4170786	4.30E-03	7.14E-04	5.27E-04
683	609129.2	4170777	4.32E-03	7.17E-04	5.29E-04
684	609125.6	4170768	4.32E-03	7.18E-04	5.30E-04
685	609122.1	4170759	4.32E-03	7.17E-04	5.30E-04
686	609111.4	4170732	4.28E-03	7.11E-04	5.25E-04
687	609306.9	4170927	4.63E-03	7.69E-04	5.68E-04
688	609316.7	4170927	4.79E-03	7.96E-04	5.87E-04
689	609326.6	4170927	4.96E-03	8.25E-04	6.09E-04
690	609336.4	4170927	5.15E-03	8.56E-04	6.32E-04
691	609346.3	4170927	5.36E-03	8.91E-04	6.57E-04
692	609375.8	4170927	6.10E-03	1.01E-03	7.48E-04
693	609385.6	4170927	6.39E-03	1.06E-03	7.83E-04
694	609395.5	4170927	6.69E-03	1.11E-03	8.20E-04
695	609405.3	4170927	7.01E-03	1.16E-03	8.60E-04
696	609415.2	4170927	7.34E-03	1.22E-03	9.00E-04
697	609425	4170927	7.69E-03	1.28E-03	9.43E-04
698	609454.5	4170927	8.77E-03	1.46E-03	1.08E-03
699	609464.4	4170927	9.13E-03	1.52E-03	1.12E-03
700	609474.2	4170927	9.50E-03	1.58E-03	1.16E-03
701	609484.1	4170927	9.85E-03	1.64E-03	1.21E-03
702	609493.9	4170927	1.02E-02	1.69E-03	1.25E-03
703	609503.8	4170927	1.05E-02	1.75E-03	1.29E-03
704	609533.3	4170928	1.15E-02	1.90E-03	1.41E-03
705	609543.1	4170928	1.17E-02	1.95E-03	1.44E-03
706	609553	4170928	1.20E-02	1.99E-03	1.47E-03
707	609562.8	4170928	1.22E-02	2.03E-03	1.50E-03
708	609572.7	4170928	1.24E-02	2.06E-03	1.52E-03
709	609582.5	4170928	1.26E-02	2.08E-03	1.54E-03
710	609592.3	4170928	1.27E-02	2.11E-03	1.55E-03
711	609298.1	4170933	4.34E-03	7.20E-04	5.32E-04
712	609289.3	4170929	4.31E-03	7.16E-04	5.29E-04
713	609280.5	4170925	4.29E-03	7.12E-04	5.26E-04
714	609271.7	4170922	4.26E-03	7.08E-04	5.23E-04
715	609263	4170918	4.24E-03	7.04E-04	5.20E-04
716	609254.2	4170914	4.21E-03	7.00E-04	5.17E-04
717	609245.4	4170911	4.19E-03	6.95E-04	5.13E-04
718	609219.1	4170899	4.08E-03	6.77E-04	5.00E-04
719	609210.3	4170896	4.03E-03	6.70E-04	4.94E-04
720	609201.6	4170892	3.98E-03	6.61E-04	4.88E-04
721	609192.8	4170888	3.92E-03	6.52E-04	4.81E-04
722	609126	4170794	4.08E-03	6.77E-04	5.00E-04
723	609122.5	4170785	4.09E-03	6.80E-04	5.02E-04

724	609119	4170776	4.10E-03	6.82E-04	5.03E-04
725	609104.9	4170741	4.07E-03	6.77E-04	4.99E-04
726	609101.3	4170732	4.06E-03	6.74E-04	4.98E-04
727	609306.8	4170937	4.36E-03	7.25E-04	5.35E-04
728	609316.7	4170937	4.51E-03	7.49E-04	5.53E-04
729	609326.5	4170937	4.66E-03	7.75E-04	5.72E-04
730	609336.4	4170937	4.83E-03	8.03E-04	5.93E-04
731	609346.2	4170937	5.02E-03	8.34E-04	6.15E-04
732	609356.1	4170937	5.22E-03	8.68E-04	6.40E-04
733	609425	4170937	7.10E-03	1.18E-03	8.70E-04
734	609484	4170937	9.06E-03	1.50E-03	1.11E-03
735	609493.9	4170937	9.38E-03	1.56E-03	1.15E-03
736	609503.7	4170937	9.69E-03	1.61E-03	1.19E-03
737	609533.2	4170938	1.05E-02	1.75E-03	1.29E-03
738	609543.1	4170938	1.08E-02	1.79E-03	1.32E-03
739	609552.9	4170938	1.10E-02	1.83E-03	1.35E-03
740	609562.8	4170938	1.12E-02	1.87E-03	1.38E-03
741	609572.6	4170938	1.14E-02	1.90E-03	1.40E-03
742	609582.5	4170938	1.16E-02	1.92E-03	1.42E-03
743	609592.3	4170938	1.17E-02	1.94E-03	1.43E-03
744	609298.1	4170943	4.10E-03	6.80E-04	5.02E-04
745	609289.4	4170939	4.08E-03	6.77E-04	5.00E-04
746	609280.8	4170935	4.06E-03	6.74E-04	4.98E-04
747	609272.1	4170932	4.04E-03	6.71E-04	4.95E-04
748	609263.4	4170928	4.02E-03	6.68E-04	4.93E-04
749	609254.7	4170924	4.00E-03	6.65E-04	4.91E-04
750	609246	4170921	3.98E-03	6.61E-04	4.88E-04
751	609237.4	4170917	3.96E-03	6.57E-04	4.85E-04
752	609202.6	4170902	3.82E-03	6.34E-04	4.68E-04
753	609147.1	4170872	3.53E-03	5.87E-04	4.33E-04
754	609115.7	4170793	3.89E-03	6.46E-04	4.77E-04
755	609112.2	4170784	3.90E-03	6.48E-04	4.79E-04
756	609101.8	4170758	3.90E-03	6.47E-04	4.78E-04
757	609098.3	4170749	3.88E-03	6.45E-04	4.76E-04
758	609094.8	4170740	3.87E-03	6.43E-04	4.74E-04
759	609091.3	4170731	3.85E-03	6.40E-04	4.73E-04
760	609306.8	4170947	4.12E-03	6.84E-04	5.05E-04
761	609316.6	4170947	4.25E-03	7.06E-04	5.21E-04
762	609326.5	4170947	4.39E-03	7.29E-04	5.38E-04
763	609336.3	4170947	4.54E-03	7.55E-04	5.57E-04
764	609346.2	4170947	4.71E-03	7.83E-04	5.78E-04
765	609356	4170947	4.89E-03	8.13E-04	6.00E-04
766	609365.9	4170947	5.09E-03	8.46E-04	6.24E-04
767	609592.3	4170948	1.08E-02	1.80E-03	1.33E-03
768	609298.2	4170953	3.88E-03	6.44E-04	4.75E-04
769	609289.6	4170949	3.86E-03	6.41E-04	4.73E-04
770	609281	4170946	3.85E-03	6.39E-04	4.72E-04
771	609272.4	4170942	3.83E-03	6.37E-04	4.70E-04
772	609263.8	4170938	3.82E-03	6.34E-04	4.68E-04
773	609255.2	4170935	3.81E-03	6.32E-04	4.67E-04
774	609246.6	4170931	3.79E-03	6.29E-04	4.65E-04
775	609238	4170927	3.77E-03	6.27E-04	4.62E-04

776	609229.4	4170924	3.75E-03	6.23E-04	4.60E-04
777	609220.8	4170920	3.73E-03	6.19E-04	4.57E-04
778	609169.2	4170898	3.49E-03	5.79E-04	4.27E-04
779	609160.6	4170895	3.43E-03	5.70E-04	4.21E-04
780	609152	4170891	3.37E-03	5.61E-04	4.14E-04
781	609139.9	4170879	3.37E-03	5.59E-04	4.13E-04
782	609136.5	4170870	3.41E-03	5.67E-04	4.18E-04
783	609133	4170861	3.46E-03	5.75E-04	4.24E-04
784	609129.6	4170853	3.50E-03	5.82E-04	4.30E-04
785	609095.1	4170766	3.72E-03	6.18E-04	4.56E-04
786	609091.6	4170757	3.71E-03	6.16E-04	4.55E-04
787	609088.2	4170749	3.70E-03	6.14E-04	4.53E-04
788	609084.7	4170740	3.68E-03	6.11E-04	4.51E-04
789	609081.3	4170731	3.67E-03	6.09E-04	4.50E-04
790	609306.8	4170957	3.90E-03	6.47E-04	4.78E-04
791	609316.6	4170957	4.01E-03	6.67E-04	4.92E-04
792	609326.4	4170957	4.14E-03	6.88E-04	5.08E-04
793	609336.3	4170957	4.28E-03	7.11E-04	5.25E-04
794	609346.1	4170957	4.43E-03	7.36E-04	5.43E-04
795	609356	4170957	4.59E-03	7.63E-04	5.63E-04
796	609365.8	4170957	4.77E-03	7.93E-04	5.85E-04
797	609375.7	4170957	4.96E-03	8.25E-04	6.09E-04
798	609385.5	4170957	5.17E-03	8.59E-04	6.34E-04
799	609395.3	4170957	5.39E-03	8.95E-04	6.61E-04
800	609405.2	4170957	5.62E-03	9.34E-04	6.89E-04
801	609415	4170957	5.86E-03	9.74E-04	7.19E-04
802	609424.9	4170957	6.11E-03	1.02E-03	7.50E-04
803	609434.7	4170957	6.37E-03	1.06E-03	7.81E-04
804	609444.6	4170957	6.64E-03	1.10E-03	8.14E-04
805	609454.4	4170957	6.91E-03	1.15E-03	8.48E-04
806	609464.2	4170957	7.19E-03	1.19E-03	8.81E-04
807	609474.1	4170957	7.46E-03	1.24E-03	9.15E-04
808	609483.9	4170957	7.74E-03	1.29E-03	9.49E-04
809	609493.8	4170957	8.01E-03	1.33E-03	9.82E-04
810	609503.6	4170957	8.27E-03	1.37E-03	1.01E-03
811	609513.5	4170957	8.53E-03	1.42E-03	1.05E-03
812	609523.3	4170957	8.77E-03	1.46E-03	1.08E-03
813	609533.1	4170958	9.00E-03	1.50E-03	1.10E-03
814	609543	4170958	9.22E-03	1.53E-03	1.13E-03
815	609552.8	4170958	9.43E-03	1.57E-03	1.16E-03
816	609562.7	4170958	9.61E-03	1.60E-03	1.18E-03
817	609572.5	4170958	9.78E-03	1.62E-03	1.20E-03
818	609582.4	4170958	9.92E-03	1.65E-03	1.22E-03
819	609592.2	4170958	1.00E-02	1.67E-03	1.23E-03
820	609297.7	4170963	3.67E-03	6.10E-04	4.50E-04
821	609288.8	4170959	3.66E-03	6.08E-04	4.49E-04
822	609279.8	4170955	3.65E-03	6.06E-04	4.47E-04
823	609270.8	4170951	3.64E-03	6.04E-04	4.46E-04
824	609261.8	4170948	3.63E-03	6.03E-04	4.45E-04
825	609252.9	4170944	3.62E-03	6.01E-04	4.44E-04
826	609243.9	4170940	3.60E-03	5.99E-04	4.42E-04
827	609234.9	4170936	3.59E-03	5.96E-04	4.40E-04

828	609226	4170932	3.57E-03	5.93E-04	4.38E-04
829	609217	4170929	3.55E-03	5.90E-04	4.35E-04
830	609181.1	4170913	3.42E-03	5.68E-04	4.20E-04
831	609172.1	4170910	3.38E-03	5.61E-04	4.14E-04
832	609163.2	4170906	3.33E-03	5.53E-04	4.08E-04
833	609154.2	4170902	3.27E-03	5.44E-04	4.02E-04
834	609145.2	4170898	3.22E-03	5.35E-04	3.95E-04
835	609132.6	4170885	3.21E-03	5.33E-04	3.94E-04
836	609129	4170876	3.26E-03	5.41E-04	3.99E-04
837	609125.4	4170867	3.30E-03	5.48E-04	4.05E-04
838	609121.8	4170858	3.35E-03	5.56E-04	4.10E-04
839	609111	4170831	3.46E-03	5.74E-04	4.24E-04
840	609107.4	4170822	3.49E-03	5.79E-04	4.28E-04
841	609093	4170786	3.56E-03	5.91E-04	4.36E-04
842	609089.4	4170777	3.56E-03	5.91E-04	4.36E-04
843	609085.8	4170768	3.55E-03	5.90E-04	4.35E-04
844	609082.2	4170759	3.54E-03	5.88E-04	4.34E-04
845	609078.6	4170750	3.52E-03	5.85E-04	4.32E-04
846	609075	4170740	3.51E-03	5.83E-04	4.30E-04
847	609071.4	4170731	3.49E-03	5.80E-04	4.28E-04
848	609306.7	4170967	3.69E-03	6.13E-04	4.52E-04
849	609316.5	4170967	3.79E-03	6.30E-04	4.65E-04
850	609326.4	4170967	3.91E-03	6.49E-04	4.79E-04
851	609336.2	4170967	4.04E-03	6.70E-04	4.95E-04
852	609346.1	4170967	4.17E-03	6.93E-04	5.12E-04
853	609355.9	4170967	4.32E-03	7.18E-04	5.30E-04
854	609365.8	4170967	4.48E-03	7.45E-04	5.50E-04
855	609375.6	4170967	4.66E-03	7.74E-04	5.71E-04
856	609385.5	4170967	4.84E-03	8.05E-04	5.94E-04
857	609395.3	4170967	5.04E-03	8.38E-04	6.18E-04
858	609405.1	4170967	5.25E-03	8.72E-04	6.44E-04
859	609415	4170967	5.47E-03	9.09E-04	6.71E-04
860	609424.8	4170967	5.70E-03	9.47E-04	6.99E-04
861	609434.7	4170967	5.94E-03	9.86E-04	7.28E-04
862	609444.5	4170967	6.18E-03	1.03E-03	7.58E-04
863	609454.4	4170967	6.43E-03	1.07E-03	7.88E-04
864	609464.2	4170967	6.68E-03	1.11E-03	8.19E-04
865	609474	4170967	6.93E-03	1.15E-03	8.50E-04
866	609483.9	4170967	7.18E-03	1.19E-03	8.81E-04
867	609493.7	4170967	7.43E-03	1.23E-03	9.11E-04
868	609503.6	4170967	7.68E-03	1.28E-03	9.41E-04
869	609513.4	4170967	7.91E-03	1.31E-03	9.70E-04
870	609523.3	4170967	8.14E-03	1.35E-03	9.98E-04
871	609533.1	4170968	8.36E-03	1.39E-03	1.02E-03
872	609542.9	4170968	8.56E-03	1.42E-03	1.05E-03
873	609552.8	4170968	8.75E-03	1.45E-03	1.07E-03
874	609562.6	4170968	8.93E-03	1.48E-03	1.09E-03
875	609572.5	4170968	9.09E-03	1.51E-03	1.11E-03
876	609582.3	4170968	9.22E-03	1.53E-03	1.13E-03
877	609592.2	4170968	9.34E-03	1.55E-03	1.15E-03
878	609297.8	4170973	3.49E-03	5.79E-04	4.28E-04
879	609288.9	4170969	3.48E-03	5.77E-04	4.26E-04

880	609280	4170965	3.47E-03	5.76E-04	4.25E-04
881	609271.1	4170961	3.46E-03	5.75E-04	4.24E-04
882	609262.3	4170958	3.45E-03	5.74E-04	4.23E-04
883	609253.4	4170954	3.45E-03	5.72E-04	4.22E-04
884	609244.5	4170950	3.44E-03	5.71E-04	4.21E-04
885	609235.6	4170946	3.43E-03	5.69E-04	4.20E-04
886	609173.5	4170920	3.26E-03	5.41E-04	4.00E-04
887	609164.6	4170916	3.22E-03	5.35E-04	3.95E-04
888	609155.7	4170913	3.17E-03	5.27E-04	3.89E-04
889	609146.9	4170909	3.12E-03	5.19E-04	3.83E-04
890	609138	4170905	3.07E-03	5.10E-04	3.77E-04
891	609125.5	4170892	3.06E-03	5.09E-04	3.76E-04
892	609122	4170883	3.11E-03	5.16E-04	3.81E-04
893	609118.4	4170874	3.15E-03	5.23E-04	3.86E-04
894	609114.8	4170866	3.19E-03	5.30E-04	3.91E-04
895	609104.2	4170839	3.29E-03	5.47E-04	4.04E-04
896	609100.6	4170830	3.32E-03	5.52E-04	4.08E-04
897	609097	4170821	3.35E-03	5.57E-04	4.11E-04
898	609093.5	4170812	3.37E-03	5.60E-04	4.14E-04
899	609082.8	4170785	3.40E-03	5.65E-04	4.17E-04
900	609079.2	4170776	3.40E-03	5.65E-04	4.17E-04
901	609075.6	4170767	3.39E-03	5.63E-04	4.16E-04
902	609072.1	4170758	3.38E-03	5.61E-04	4.14E-04
903	609068.5	4170749	3.36E-03	5.59E-04	4.12E-04
904	609065	4170740	3.35E-03	5.56E-04	4.10E-04
905	609061.4	4170731	3.33E-03	5.54E-04	4.09E-04
906	609306.7	4170977	3.50E-03	5.81E-04	4.29E-04
907	609316.5	4170977	3.59E-03	5.97E-04	4.41E-04
908	609326.3	4170977	3.70E-03	6.14E-04	4.53E-04
909	609336.2	4170977	3.81E-03	6.34E-04	4.68E-04
910	609346	4170977	3.94E-03	6.55E-04	4.83E-04
911	609355.9	4170977	4.08E-03	6.77E-04	5.00E-04
912	609365.7	4170977	4.22E-03	7.02E-04	5.18E-04
913	609375.6	4170977	4.38E-03	7.28E-04	5.37E-04
914	609385.4	4170977	4.55E-03	7.56E-04	5.58E-04
915	609395.3	4170977	4.73E-03	7.86E-04	5.80E-04
916	609405.1	4170977	4.92E-03	8.18E-04	6.03E-04
917	609414.9	4170977	5.12E-03	8.51E-04	6.28E-04
918	609424.8	4170977	5.33E-03	8.85E-04	6.54E-04
919	609434.6	4170977	5.55E-03	9.21E-04	6.80E-04
920	609444.5	4170977	5.77E-03	9.58E-04	7.07E-04
921	609454.3	4170977	5.99E-03	9.96E-04	7.35E-04
922	609464.2	4170977	6.22E-03	1.03E-03	7.63E-04
923	609474	4170977	6.45E-03	1.07E-03	7.91E-04
924	609483.8	4170977	6.69E-03	1.11E-03	8.20E-04
925	609493.7	4170977	6.92E-03	1.15E-03	8.48E-04
926	609503.5	4170977	7.14E-03	1.19E-03	8.76E-04
927	609513.4	4170977	7.36E-03	1.22E-03	9.03E-04
928	609523.2	4170977	7.57E-03	1.26E-03	9.28E-04
929	609533.1	4170978	7.78E-03	1.29E-03	9.53E-04
930	609542.9	4170978	7.97E-03	1.32E-03	9.77E-04
931	609552.7	4170978	8.15E-03	1.35E-03	9.99E-04

932	609562.6	4170978	8.31E-03	1.38E-03	1.02E-03
933	609572.4	4170978	8.46E-03	1.41E-03	1.04E-03
934	609582.3	4170978	8.59E-03	1.43E-03	1.05E-03
935	609297.8	4170983	3.31E-03	5.51E-04	4.06E-04
936	609289	4170979	3.31E-03	5.49E-04	4.05E-04
937	609280.2	4170975	3.30E-03	5.48E-04	4.04E-04
938	609271.4	4170972	3.29E-03	5.47E-04	4.04E-04
939	609262.6	4170968	3.29E-03	5.46E-04	4.03E-04
940	609253.9	4170964	3.28E-03	5.46E-04	4.03E-04
941	609245.1	4170960	3.28E-03	5.45E-04	4.02E-04
942	609201.1	4170942	3.22E-03	5.35E-04	3.95E-04
943	609165.9	4170927	3.11E-03	5.16E-04	3.81E-04
944	609157.1	4170923	3.07E-03	5.10E-04	3.77E-04
945	609148.3	4170920	3.03E-03	5.03E-04	3.71E-04
946	609139.5	4170916	2.98E-03	4.96E-04	3.66E-04
947	609130.7	4170912	2.94E-03	4.88E-04	3.60E-04
948	609118.4	4170899	2.93E-03	4.87E-04	3.59E-04
949	609114.9	4170891	2.97E-03	4.93E-04	3.64E-04
950	609111.4	4170882	3.01E-03	4.99E-04	3.69E-04
951	609107.8	4170873	3.04E-03	5.06E-04	3.73E-04
952	609093.7	4170837	3.17E-03	5.27E-04	3.89E-04
953	609090.2	4170828	3.20E-03	5.31E-04	3.92E-04
954	609086.7	4170820	3.22E-03	5.35E-04	3.95E-04
955	609083.1	4170811	3.24E-03	5.38E-04	3.97E-04
956	609069	4170775	3.25E-03	5.40E-04	3.99E-04
957	609065.5	4170766	3.24E-03	5.39E-04	3.98E-04
958	609062	4170758	3.23E-03	5.36E-04	3.96E-04
959	609058.4	4170749	3.21E-03	5.34E-04	3.94E-04
960	609054.9	4170740	3.20E-03	5.31E-04	3.92E-04
961	609051.4	4170731	3.18E-03	5.29E-04	3.90E-04
962	609306.6	4170987	3.32E-03	5.52E-04	4.08E-04
963	609316.5	4170987	3.41E-03	5.67E-04	4.18E-04
964	609326.3	4170987	3.51E-03	5.82E-04	4.30E-04
965	609336.1	4170987	3.61E-03	6.00E-04	4.43E-04
966	609346	4170987	3.73E-03	6.19E-04	4.57E-04
967	609355.8	4170987	3.85E-03	6.40E-04	4.72E-04
968	609365.7	4170987	3.98E-03	6.62E-04	4.89E-04
969	609375.5	4170987	4.13E-03	6.86E-04	5.06E-04
970	609385.4	4170987	4.29E-03	7.12E-04	5.25E-04
971	609395.2	4170987	4.45E-03	7.39E-04	5.46E-04
972	609405	4170987	4.62E-03	7.68E-04	5.67E-04
973	609414.9	4170987	4.81E-03	7.98E-04	5.89E-04
974	609424.7	4170987	5.00E-03	8.30E-04	6.13E-04
975	609434.6	4170987	5.19E-03	8.63E-04	6.37E-04
976	609444.4	4170987	5.40E-03	8.97E-04	6.62E-04
977	609454.3	4170987	5.60E-03	9.31E-04	6.87E-04
978	609464.1	4170987	5.82E-03	9.66E-04	7.13E-04
979	609474	4170987	6.03E-03	1.00E-03	7.39E-04
980	609483.8	4170987	6.24E-03	1.04E-03	7.65E-04
981	609493.6	4170987	6.45E-03	1.07E-03	7.91E-04
982	609503.5	4170987	6.66E-03	1.11E-03	8.17E-04
983	609513.3	4170987	6.87E-03	1.14E-03	8.42E-04

984	609523.2	4170987	7.06E-03	1.17E-03	8.66E-04
985	609533	4170988	7.25E-03	1.20E-03	8.89E-04
986	609542.9	4170988	7.43E-03	1.23E-03	9.11E-04
987	609552.7	4170988	7.60E-03	1.26E-03	9.32E-04
988	609562.5	4170988	7.75E-03	1.29E-03	9.51E-04
989	609572.4	4170988	7.90E-03	1.31E-03	9.68E-04
990	609582.2	4170988	8.02E-03	1.33E-03	9.84E-04
991	609297.9	4170993	3.15E-03	5.24E-04	3.87E-04
992	609289.1	4170989	3.15E-03	5.23E-04	3.86E-04
993	609280.4	4170985	3.14E-03	5.22E-04	3.85E-04
994	609271.7	4170982	3.14E-03	5.21E-04	3.85E-04
995	609263	4170978	3.14E-03	5.21E-04	3.84E-04
996	609254.3	4170974	3.13E-03	5.20E-04	3.84E-04
997	609210.7	4170956	3.10E-03	5.15E-04	3.80E-04
998	609202	4170952	3.09E-03	5.13E-04	3.79E-04
999	609193.3	4170949	3.07E-03	5.11E-04	3.77E-04
1000	609158.4	4170934	2.97E-03	4.93E-04	3.64E-04
1001	609149.7	4170930	2.94E-03	4.88E-04	3.60E-04
1002	609141	4170926	2.90E-03	4.81E-04	3.55E-04
1003	609132.2	4170923	2.86E-03	4.75E-04	3.50E-04
1004	609123.5	4170919	2.81E-03	4.68E-04	3.45E-04
1005	609111.3	4170907	2.81E-03	4.66E-04	3.44E-04
1006	609107.8	4170898	2.84E-03	4.72E-04	3.49E-04
1007	609104.3	4170889	2.88E-03	4.78E-04	3.53E-04
1008	609100.8	4170880	2.91E-03	4.83E-04	3.57E-04
1009	609086.8	4170845	3.03E-03	5.03E-04	3.71E-04
1010	609083.3	4170836	3.06E-03	5.08E-04	3.75E-04
1011	609079.8	4170827	3.08E-03	5.12E-04	3.78E-04
1012	609076.3	4170819	3.10E-03	5.15E-04	3.80E-04
1013	609072.8	4170810	3.11E-03	5.17E-04	3.81E-04
1014	609069.3	4170801	3.12E-03	5.18E-04	3.82E-04
1015	609058.8	4170775	3.11E-03	5.17E-04	3.82E-04
1016	609055.3	4170766	3.10E-03	5.16E-04	3.81E-04
1017	609051.8	4170757	3.09E-03	5.13E-04	3.79E-04
1018	609048.3	4170748	3.07E-03	5.11E-04	3.77E-04
1019	609044.8	4170739	3.06E-03	5.08E-04	3.75E-04
1020	609041.3	4170731	3.05E-03	5.06E-04	3.74E-04
1021	609306.6	4170997	3.16E-03	5.25E-04	3.88E-04
1022	609316.4	4170997	3.24E-03	5.39E-04	3.98E-04
1023	609326.3	4170997	3.33E-03	5.53E-04	4.08E-04
1024	609336.1	4170997	3.42E-03	5.69E-04	4.20E-04
1025	609345.9	4170997	3.53E-03	5.86E-04	4.33E-04
1026	609355.8	4170997	3.64E-03	6.05E-04	4.47E-04
1027	609365.6	4170997	3.77E-03	6.26E-04	4.62E-04
1028	609375.5	4170997	3.90E-03	6.48E-04	4.78E-04
1029	609385.3	4170997	4.04E-03	6.72E-04	4.96E-04
1030	609395.2	4170997	4.19E-03	6.97E-04	5.14E-04
1031	609405	4170997	4.35E-03	7.23E-04	5.34E-04
1032	609414.8	4170997	4.52E-03	7.51E-04	5.54E-04
1033	609424.7	4170997	4.70E-03	7.80E-04	5.76E-04
1034	609434.5	4170997	4.88E-03	8.10E-04	5.98E-04
1035	609444.4	4170997	5.06E-03	8.41E-04	6.21E-04

1036	609454.2	4170997	5.25E-03	8.73E-04	6.44E-04
1037	609464.1	4170997	5.45E-03	9.05E-04	6.68E-04
1038	609473.9	4170997	5.64E-03	9.37E-04	6.92E-04
1039	609483.7	4170997	5.84E-03	9.70E-04	7.16E-04
1040	609493.6	4170997	6.04E-03	1.00E-03	7.40E-04
1041	609503.4	4170997	6.23E-03	1.03E-03	7.64E-04
1042	609513.3	4170997	6.42E-03	1.07E-03	7.87E-04
1043	609523.1	4170997	6.60E-03	1.10E-03	8.10E-04
1044	609533	4170998	6.78E-03	1.13E-03	8.31E-04
1045	609542.8	4170998	6.95E-03	1.15E-03	8.52E-04
1046	609552.7	4170998	7.11E-03	1.18E-03	8.71E-04
1047	609562.5	4170998	7.25E-03	1.20E-03	8.89E-04
1048	609572.3	4170998	7.39E-03	1.23E-03	9.06E-04
1049	609582.2	4170998	7.51E-03	1.25E-03	9.21E-04
1050	609297.5	4171003	3.01E-03	4.99E-04	3.68E-04
1051	609288.4	4170999	3.00E-03	4.98E-04	3.68E-04
1052	609279.4	4170995	3.00E-03	4.98E-04	3.67E-04
1053	609270.4	4170991	2.99E-03	4.97E-04	3.67E-04
1054	609225.2	4170972	2.98E-03	4.96E-04	3.66E-04
1055	609216.1	4170968	2.98E-03	4.95E-04	3.65E-04
1056	609207.1	4170964	2.97E-03	4.93E-04	3.64E-04
1057	609198.1	4170961	2.96E-03	4.91E-04	3.63E-04
1058	609189	4170957	2.94E-03	4.89E-04	3.61E-04
1059	609180	4170953	2.93E-03	4.86E-04	3.59E-04
1060	609152.9	4170941	2.85E-03	4.73E-04	3.49E-04
1061	609143.8	4170938	2.82E-03	4.68E-04	3.45E-04
1062	609134.8	4170934	2.78E-03	4.62E-04	3.41E-04
1063	609125.7	4170930	2.74E-03	4.56E-04	3.36E-04
1064	609116.7	4170926	2.70E-03	4.49E-04	3.31E-04
1065	609104	4170913	2.69E-03	4.48E-04	3.30E-04
1066	609100.4	4170904	2.73E-03	4.53E-04	3.35E-04
1067	609096.8	4170895	2.76E-03	4.59E-04	3.39E-04
1068	609093.1	4170886	2.79E-03	4.64E-04	3.42E-04
1069	609078.6	4170849	2.91E-03	4.83E-04	3.56E-04
1070	609075	4170840	2.93E-03	4.87E-04	3.59E-04
1071	609071.4	4170831	2.95E-03	4.91E-04	3.62E-04
1072	609067.7	4170822	2.97E-03	4.94E-04	3.64E-04
1073	609064.1	4170813	2.98E-03	4.96E-04	3.66E-04
1074	609060.5	4170804	2.99E-03	4.97E-04	3.67E-04
1075	609046	4170767	2.97E-03	4.94E-04	3.65E-04
1076	609042.4	4170758	2.96E-03	4.92E-04	3.63E-04
1077	609038.7	4170749	2.95E-03	4.89E-04	3.61E-04
1078	609035.1	4170740	2.93E-03	4.87E-04	3.59E-04
1079	609031.5	4170731	2.92E-03	4.85E-04	3.58E-04
1080	609306.5	4171007	3.01E-03	5.01E-04	3.69E-04
1081	609316.4	4171007	3.09E-03	5.13E-04	3.78E-04
1082	609326.2	4171007	3.17E-03	5.26E-04	3.88E-04
1083	609336.1	4171007	3.25E-03	5.40E-04	3.99E-04
1084	609345.9	4171007	3.35E-03	5.56E-04	4.11E-04
1085	609355.7	4171007	3.45E-03	5.74E-04	4.23E-04
1086	609365.6	4171007	3.57E-03	5.93E-04	4.37E-04
1087	609375.4	4171007	3.69E-03	6.13E-04	4.53E-04

1088	609385.3	4171007	3.82E-03	6.35E-04	4.69E-04
1089	609395.1	4171007	3.96E-03	6.58E-04	4.86E-04
1090	609405	4171007	4.11E-03	6.82E-04	5.04E-04
1091	609414.8	4171007	4.26E-03	7.08E-04	5.23E-04
1092	609424.6	4171007	4.42E-03	7.35E-04	5.42E-04
1093	609434.5	4171007	4.59E-03	7.62E-04	5.63E-04
1094	609444.3	4171007	4.76E-03	7.91E-04	5.84E-04
1095	609454.2	4171007	4.94E-03	8.20E-04	6.05E-04
1096	609464	4171007	5.12E-03	8.50E-04	6.27E-04
1097	609473.9	4171007	5.30E-03	8.80E-04	6.49E-04
1098	609483.7	4171007	5.48E-03	9.10E-04	6.72E-04
1099	609493.5	4171007	5.66E-03	9.40E-04	6.94E-04
1100	609503.4	4171007	5.84E-03	9.69E-04	7.16E-04
1101	609513.2	4171007	6.01E-03	9.99E-04	7.37E-04
1102	609523.1	4171007	6.19E-03	1.03E-03	7.58E-04
1103	609532.9	4171008	6.35E-03	1.06E-03	7.79E-04
1104	609542.8	4171008	6.51E-03	1.08E-03	7.98E-04
1105	609552.6	4171008	6.66E-03	1.11E-03	8.16E-04
1106	609562.5	4171008	6.80E-03	1.13E-03	8.33E-04
1107	609572.3	4171008	6.92E-03	1.15E-03	8.49E-04
1108	609582.1	4171008	7.04E-03	1.17E-03	8.63E-04
1109	609297.5	4171013	2.87E-03	4.76E-04	3.52E-04
1110	609288.6	4171009	2.86E-03	4.75E-04	3.51E-04
1111	609279.6	4171005	2.86E-03	4.75E-04	3.51E-04
1112	609234.8	4170986	2.86E-03	4.75E-04	3.50E-04
1113	609225.9	4170982	2.86E-03	4.74E-04	3.50E-04
1114	609216.9	4170979	2.85E-03	4.74E-04	3.50E-04
1115	609208	4170975	2.85E-03	4.73E-04	3.49E-04
1116	609199	4170971	2.84E-03	4.72E-04	3.48E-04
1117	609190.1	4170967	2.83E-03	4.70E-04	3.47E-04
1118	609181.1	4170963	2.82E-03	4.68E-04	3.46E-04
1119	609172.2	4170960	2.80E-03	4.65E-04	3.43E-04
1120	609145.3	4170948	2.73E-03	4.54E-04	3.35E-04
1121	609136.3	4170944	2.70E-03	4.49E-04	3.31E-04
1122	609127.4	4170941	2.67E-03	4.43E-04	3.27E-04
1123	609118.4	4170937	2.63E-03	4.37E-04	3.23E-04
1124	609109.5	4170933	2.60E-03	4.31E-04	3.18E-04
1125	609096.9	4170920	2.59E-03	4.30E-04	3.17E-04
1126	609093.3	4170911	2.62E-03	4.35E-04	3.21E-04
1127	609089.7	4170902	2.65E-03	4.40E-04	3.25E-04
1128	609086.1	4170893	2.68E-03	4.45E-04	3.28E-04
1129	609082.5	4170884	2.71E-03	4.50E-04	3.32E-04
1130	609071.8	4170857	2.78E-03	4.62E-04	3.41E-04
1131	609068.2	4170848	2.81E-03	4.66E-04	3.44E-04
1132	609064.6	4170839	2.83E-03	4.70E-04	3.47E-04
1133	609061	4170830	2.85E-03	4.73E-04	3.49E-04
1134	609057.4	4170821	2.86E-03	4.75E-04	3.51E-04
1135	609053.8	4170812	2.87E-03	4.77E-04	3.52E-04
1136	609050.2	4170803	2.88E-03	4.78E-04	3.53E-04
1137	609046.6	4170794	2.88E-03	4.78E-04	3.53E-04
1138	609035.8	4170767	2.85E-03	4.74E-04	3.50E-04
1139	609032.2	4170758	2.84E-03	4.71E-04	3.48E-04

1140	609028.6	4170749	2.82E-03	4.69E-04	3.46E-04
1141	609025	4170740	2.81E-03	4.67E-04	3.45E-04
1142	609021.4	4170731	2.80E-03	4.65E-04	3.43E-04
1143	609306.5	4171017	2.87E-03	4.77E-04	3.52E-04
1144	609316.3	4171017	2.94E-03	4.89E-04	3.61E-04
1145	609326.2	4171017	3.02E-03	5.01E-04	3.70E-04
1146	609336	4171017	3.10E-03	5.14E-04	3.80E-04
1147	609345.9	4171017	3.18E-03	5.29E-04	3.90E-04
1148	609355.7	4171017	3.28E-03	5.45E-04	4.02E-04
1149	609244.3	4171000	2.73E-03	4.54E-04	3.35E-04
1150	609235.4	4170996	2.73E-03	4.54E-04	3.35E-04
1151	609226.5	4170993	2.74E-03	4.54E-04	3.35E-04
1152	609217.7	4170989	2.73E-03	4.54E-04	3.35E-04
1153	609208.8	4170985	2.73E-03	4.54E-04	3.35E-04
1154	609199.9	4170981	2.73E-03	4.53E-04	3.34E-04
1155	609191	4170978	2.72E-03	4.52E-04	3.34E-04
1156	609182.1	4170974	2.71E-03	4.51E-04	3.33E-04
1157	609173.3	4170970	2.70E-03	4.49E-04	3.31E-04
1158	609164.4	4170966	2.69E-03	4.46E-04	3.29E-04
1159	609137.8	4170955	2.62E-03	4.36E-04	3.22E-04
1160	609128.9	4170951	2.59E-03	4.31E-04	3.18E-04
1161	609120	4170948	2.56E-03	4.26E-04	3.14E-04
1162	609111.1	4170944	2.53E-03	4.20E-04	3.10E-04
1163	609102.2	4170940	2.50E-03	4.15E-04	3.06E-04
1164	609089.8	4170927	2.49E-03	4.13E-04	3.05E-04
1165	609086.2	4170918	2.52E-03	4.18E-04	3.09E-04
1166	609082.7	4170909	2.55E-03	4.23E-04	3.12E-04
1167	609079.1	4170900	2.57E-03	4.27E-04	3.15E-04
1168	609075.5	4170892	2.60E-03	4.32E-04	3.18E-04
1169	609064.9	4170865	2.67E-03	4.43E-04	3.27E-04
1170	609061.3	4170856	2.69E-03	4.47E-04	3.30E-04
1171	609057.7	4170847	2.71E-03	4.51E-04	3.33E-04
1172	609054.2	4170838	2.73E-03	4.54E-04	3.35E-04
1173	609050.6	4170829	2.75E-03	4.56E-04	3.37E-04
1174	609047	4170820	2.76E-03	4.58E-04	3.38E-04
1175	609043.5	4170811	2.76E-03	4.59E-04	3.39E-04
1176	609039.9	4170802	2.77E-03	4.60E-04	3.39E-04
1177	609036.3	4170793	2.77E-03	4.59E-04	3.39E-04
1178	609022.1	4170757	2.72E-03	4.52E-04	3.34E-04
1179	609018.5	4170748	2.71E-03	4.50E-04	3.32E-04
1180	609015	4170739	2.70E-03	4.48E-04	3.31E-04
1181	609011.4	4170730	2.69E-03	4.46E-04	3.29E-04
1182	609253.5	4171014	2.61E-03	4.34E-04	3.20E-04
1183	609244.7	4171010	2.62E-03	4.35E-04	3.21E-04
1184	609235.9	4171007	2.62E-03	4.35E-04	3.21E-04
1185	609227.1	4171003	2.62E-03	4.35E-04	3.21E-04
1186	609218.3	4170999	2.62E-03	4.36E-04	3.22E-04
1187	609209.5	4170996	2.62E-03	4.36E-04	3.22E-04
1188	609200.7	4170992	2.62E-03	4.35E-04	3.21E-04
1189	609191.9	4170988	2.62E-03	4.35E-04	3.21E-04
1190	609183.1	4170984	2.61E-03	4.34E-04	3.20E-04
1191	609174.3	4170981	2.61E-03	4.33E-04	3.19E-04

1192	609165.5	4170977	2.59E-03	4.31E-04	3.18E-04
1193	609156.7	4170973	2.58E-03	4.29E-04	3.16E-04
1194	609130.3	4170962	2.52E-03	4.19E-04	3.09E-04
1195	609121.4	4170958	2.49E-03	4.14E-04	3.06E-04
1196	609112.6	4170955	2.47E-03	4.10E-04	3.02E-04
1197	609103.8	4170951	2.43E-03	4.04E-04	2.99E-04
1198	609095	4170947	2.40E-03	3.99E-04	2.94E-04
1199	609082.7	4170934	2.40E-03	3.98E-04	2.94E-04
1200	609079.1	4170926	2.42E-03	4.02E-04	2.97E-04
1201	609075.6	4170917	2.45E-03	4.07E-04	3.00E-04
1202	609072.1	4170908	2.47E-03	4.11E-04	3.03E-04
1203	609068.5	4170899	2.50E-03	4.15E-04	3.06E-04
1204	609057.9	4170872	2.56E-03	4.26E-04	3.14E-04
1205	609054.4	4170863	2.58E-03	4.29E-04	3.17E-04
1206	609050.9	4170854	2.60E-03	4.33E-04	3.19E-04
1207	609047.3	4170846	2.62E-03	4.36E-04	3.22E-04
1208	609043.8	4170837	2.64E-03	4.38E-04	3.23E-04
1209	609040.3	4170828	2.65E-03	4.40E-04	3.25E-04
1210	609036.7	4170819	2.66E-03	4.42E-04	3.26E-04
1211	609033.2	4170810	2.66E-03	4.43E-04	3.27E-04
1212	609029.7	4170801	2.66E-03	4.43E-04	3.27E-04
1213	609026.1	4170792	2.66E-03	4.42E-04	3.26E-04
1214	609022.6	4170783	2.65E-03	4.41E-04	3.25E-04
1215	609012	4170757	2.62E-03	4.35E-04	3.21E-04
1216	609008.4	4170748	2.60E-03	4.33E-04	3.19E-04
1217	609630.1	4170735	1.18E-01	1.96E-02	1.45E-02
1218	609633.2	4170719	1.42E-01	2.36E-02	1.74E-02
1219	609633.4	4170709	1.57E-01	2.61E-02	1.93E-02
1220	609633.5	4170700	1.69E-01	2.80E-02	2.07E-02
1221	609633.7	4170691	1.76E-01	2.92E-02	2.16E-02
1222	609633.8	4170681	1.79E-01	2.97E-02	2.19E-02
1223	609633.9	4170672	1.77E-01	2.94E-02	2.17E-02
1224	609634.1	4170662	1.72E-01	2.85E-02	2.10E-02
1225	609634.2	4170653	1.62E-01	2.69E-02	1.99E-02
1226	609634.4	4170643	1.49E-01	2.48E-02	1.83E-02
1227	609634.5	4170634	1.33E-01	2.21E-02	1.63E-02
1228	609634.7	4170624	1.15E-01	1.91E-02	1.41E-02
1229	609640.1	4170735	1.01E-01	1.68E-02	1.24E-02
1230	609634.1	4170749	8.91E-02	1.48E-02	1.09E-02
1231	609643.2	4170719	1.18E-01	1.96E-02	1.44E-02
1232	609643.4	4170710	1.28E-01	2.13E-02	1.57E-02
1233	609643.5	4170700	1.37E-01	2.27E-02	1.67E-02
1234	609643.7	4170691	1.42E-01	2.36E-02	1.74E-02
1235	609643.8	4170681	1.44E-01	2.39E-02	1.77E-02
1236	609643.9	4170672	1.43E-01	2.38E-02	1.75E-02
1237	609644.1	4170662	1.39E-01	2.31E-02	1.70E-02
1238	609644.2	4170653	1.32E-01	2.19E-02	1.62E-02
1239	609644.4	4170643	1.23E-01	2.04E-02	1.50E-02
1240	609644.5	4170634	1.11E-01	1.85E-02	1.36E-02
1241	609644.7	4170625	9.83E-02	1.63E-02	1.20E-02
1242	609650.1	4170736	8.80E-02	1.46E-02	1.08E-02
1243	609644.1	4170750	7.95E-02	1.32E-02	9.75E-03

1244	609631.1	4170766	7.05E-02	1.17E-02	8.65E-03
1245	609653.2	4170719	9.96E-02	1.66E-02	1.22E-02
1246	609653.4	4170710	1.07E-01	1.78E-02	1.31E-02
1247	609653.5	4170700	1.13E-01	1.88E-02	1.39E-02
1248	609653.7	4170691	1.17E-01	1.95E-02	1.44E-02
1249	609653.8	4170681	1.19E-01	1.98E-02	1.46E-02
1250	609653.9	4170672	1.18E-01	1.97E-02	1.45E-02
1251	609654.1	4170663	1.15E-01	1.92E-02	1.42E-02
1252	609654.2	4170653	1.10E-01	1.83E-02	1.35E-02
1253	609654.4	4170644	1.03E-01	1.72E-02	1.27E-02
1254	609654.5	4170634	9.48E-02	1.57E-02	1.16E-02
1255	609654.6	4170625	8.53E-02	1.42E-02	1.05E-02
1256	609659.5	4170737	7.66E-02	1.27E-02	9.39E-03
1257	609655.9	4170746	7.30E-02	1.21E-02	8.95E-03
1258	609652.3	4170754	6.88E-02	1.14E-02	8.44E-03
1259	609648.7	4170762	6.42E-02	1.07E-02	7.88E-03
1260	609636.6	4170774	6.06E-02	1.01E-02	7.42E-03
1261	609628.2	4170778	6.10E-02	1.01E-02	7.48E-03
1262	609663.1	4170729	7.92E-02	1.32E-02	9.71E-03
1263	609663.2	4170719	8.56E-02	1.42E-02	1.05E-02
1264	609663.4	4170710	9.12E-02	1.52E-02	1.12E-02
1265	609663.5	4170700	9.57E-02	1.59E-02	1.17E-02
1266	609663.7	4170691	9.88E-02	1.64E-02	1.21E-02
1267	609663.8	4170682	1.00E-01	1.66E-02	1.23E-02
1268	609663.9	4170672	9.98E-02	1.66E-02	1.22E-02
1269	609664.1	4170663	9.76E-02	1.62E-02	1.20E-02
1270	609664.2	4170653	9.39E-02	1.56E-02	1.15E-02
1271	609664.4	4170644	8.86E-02	1.47E-02	1.09E-02
1272	609664.5	4170634	8.22E-02	1.36E-02	1.01E-02
1273	609664.6	4170625	7.49E-02	1.24E-02	9.18E-03
1274	609669.6	4170737	6.77E-02	1.12E-02	8.30E-03
1275	609662.6	4170753	6.23E-02	1.03E-02	7.64E-03
1276	609655.6	4170770	5.53E-02	9.19E-03	6.78E-03
1277	609643.9	4170781	5.25E-02	8.72E-03	6.44E-03
1278	609627.4	4170788	5.29E-02	8.79E-03	6.49E-03
1279	609673.2	4170719	7.44E-02	1.24E-02	9.12E-03
1280	609673.4	4170710	7.87E-02	1.31E-02	9.65E-03
1281	609673.5	4170701	8.21E-02	1.36E-02	1.01E-02
1282	609673.7	4170691	8.45E-02	1.40E-02	1.04E-02
1283	609673.8	4170682	8.56E-02	1.42E-02	1.05E-02
1284	609673.9	4170672	8.54E-02	1.42E-02	1.05E-02
1285	609674.1	4170663	8.38E-02	1.39E-02	1.03E-02
1286	609674.2	4170653	8.10E-02	1.35E-02	9.93E-03
1287	609674.4	4170644	7.70E-02	1.28E-02	9.44E-03
1288	609674.5	4170635	7.21E-02	1.20E-02	8.83E-03
1289	609674.6	4170625	6.64E-02	1.10E-02	8.14E-03
1290	609679.7	4170737	6.02E-02	1.00E-02	7.39E-03
1291	609672.8	4170753	5.64E-02	9.36E-03	6.91E-03
1292	609666	4170769	5.11E-02	8.49E-03	6.27E-03
1293	609651.1	4170788	4.60E-02	7.65E-03	5.65E-03
1294	609634.9	4170795	4.66E-02	7.73E-03	5.71E-03
1295	609683.2	4170720	6.53E-02	1.08E-02	8.01E-03

1296	609683.4	4170710	6.87E-02	1.14E-02	8.42E-03
1297	609683.5	4170701	7.14E-02	1.19E-02	8.75E-03
1298	609683.7	4170691	7.32E-02	1.22E-02	8.98E-03
1299	609683.8	4170682	7.41E-02	1.23E-02	9.09E-03
1300	609683.9	4170672	7.40E-02	1.23E-02	9.08E-03
1301	609684.1	4170663	7.29E-02	1.21E-02	8.94E-03
1302	609684.2	4170654	7.07E-02	1.17E-02	8.67E-03
1303	609684.4	4170644	6.76E-02	1.12E-02	8.29E-03
1304	609684.5	4170635	6.38E-02	1.06E-02	7.82E-03
1305	609684.6	4170625	5.93E-02	9.86E-03	7.27E-03
1306	609689.7	4170737	5.39E-02	8.96E-03	6.61E-03
1307	609683	4170753	5.11E-02	8.48E-03	6.26E-03
1308	609676.2	4170769	4.71E-02	7.82E-03	5.78E-03
1309	609669.5	4170784	4.25E-02	7.06E-03	5.21E-03
1310	609658.2	4170795	4.07E-02	6.77E-03	4.99E-03
1311	609642.3	4170802	4.13E-02	6.85E-03	5.06E-03
1312	609626.5	4170808	4.08E-02	6.78E-03	5.00E-03
1313	609693.2	4170720	5.78E-02	9.60E-03	7.09E-03
1314	609693.4	4170710	6.05E-02	1.00E-02	7.41E-03
1315	609693.5	4170701	6.26E-02	1.04E-02	7.68E-03
1316	609693.7	4170691	6.41E-02	1.06E-02	7.86E-03
1317	609693.8	4170682	6.49E-02	1.08E-02	7.95E-03
1318	609693.9	4170673	6.49E-02	1.08E-02	7.95E-03
1319	609694.1	4170663	6.40E-02	1.06E-02	7.85E-03
1320	609694.2	4170654	6.23E-02	1.04E-02	7.64E-03
1321	609694.4	4170644	5.99E-02	9.96E-03	7.35E-03
1322	609694.5	4170635	5.69E-02	9.45E-03	6.98E-03
1323	609694.6	4170625	5.34E-02	8.86E-03	6.54E-03
1324	609699.8	4170737	4.85E-02	8.06E-03	5.95E-03
1325	609693.1	4170753	4.64E-02	7.71E-03	5.69E-03
1326	609686.4	4170768	4.34E-02	7.20E-03	5.32E-03
1327	609679.8	4170784	3.97E-02	6.60E-03	4.87E-03
1328	609665.3	4170802	3.63E-02	6.03E-03	4.45E-03
1329	609649.6	4170809	3.68E-02	6.12E-03	4.52E-03
1330	609634	4170815	3.66E-02	6.08E-03	4.49E-03
1331	609703.2	4170720	5.15E-02	8.56E-03	6.32E-03
1332	609703.4	4170710	5.37E-02	8.92E-03	6.58E-03
1333	609703.5	4170701	5.54E-02	9.20E-03	6.79E-03
1334	609703.7	4170692	5.66E-02	9.41E-03	6.94E-03
1335	609703.8	4170682	5.73E-02	9.52E-03	7.03E-03
1336	609703.9	4170673	5.73E-02	9.52E-03	7.03E-03
1337	609704.1	4170663	5.67E-02	9.42E-03	6.95E-03
1338	609704.2	4170654	5.54E-02	9.21E-03	6.79E-03
1339	609704.4	4170644	5.35E-02	8.89E-03	6.56E-03
1340	609704.5	4170635	5.11E-02	8.49E-03	6.27E-03
1341	609704.6	4170626	4.82E-02	8.01E-03	5.92E-03
1342	609709.4	4170738	4.38E-02	7.28E-03	5.37E-03
1343	609705.8	4170747	4.30E-02	7.15E-03	5.27E-03
1344	609702.1	4170755	4.20E-02	6.97E-03	5.14E-03
1345	609698.4	4170764	4.07E-02	6.75E-03	4.99E-03
1346	609694.8	4170772	3.92E-02	6.51E-03	4.80E-03
1347	609691.1	4170781	3.75E-02	6.23E-03	4.60E-03

1348	609687.4	4170789	3.58E-02	5.95E-03	4.39E-03
1349	609683.8	4170798	3.40E-02	5.65E-03	4.17E-03
1350	609671.5	4170810	3.27E-02	5.42E-03	4.00E-03
1351	609662.9	4170813	3.30E-02	5.48E-03	4.04E-03
1352	609654.3	4170817	3.31E-02	5.50E-03	4.06E-03
1353	609645.7	4170820	3.31E-02	5.49E-03	4.05E-03
1354	609637	4170824	3.28E-02	5.45E-03	4.02E-03
1355	609628.4	4170827	3.24E-02	5.38E-03	3.97E-03
1356	609619.8	4170831	3.18E-02	5.28E-03	3.90E-03
1357	609713.1	4170730	4.43E-02	7.36E-03	5.43E-03
1358	609713.2	4170720	4.63E-02	7.68E-03	5.67E-03
1359	609713.4	4170711	4.80E-02	7.97E-03	5.88E-03
1360	609713.5	4170701	4.94E-02	8.21E-03	6.06E-03
1361	609713.6	4170692	5.05E-02	8.38E-03	6.19E-03
1362	609713.8	4170682	5.10E-02	8.48E-03	6.26E-03
1363	609713.9	4170673	5.11E-02	8.49E-03	6.26E-03
1364	609714.1	4170663	5.06E-02	8.41E-03	6.21E-03
1365	609714.2	4170654	4.96E-02	8.24E-03	6.08E-03
1366	609714.4	4170645	4.81E-02	7.99E-03	5.90E-03
1367	609714.5	4170635	4.62E-02	7.67E-03	5.66E-03
1368	609714.6	4170626	4.38E-02	7.28E-03	5.38E-03
1369	609719.5	4170738	3.98E-02	6.61E-03	4.88E-03
1370	609715.9	4170746	3.92E-02	6.52E-03	4.81E-03
1371	609708.7	4170763	3.74E-02	6.22E-03	4.59E-03
1372	609705.1	4170772	3.63E-02	6.03E-03	4.45E-03
1373	609701.5	4170780	3.50E-02	5.81E-03	4.29E-03
1374	609697.9	4170788	3.36E-02	5.58E-03	4.12E-03
1375	609694.3	4170797	3.21E-02	5.33E-03	3.94E-03
1376	609690.7	4170805	3.06E-02	5.08E-03	3.75E-03
1377	609678.7	4170817	2.95E-02	4.90E-03	3.61E-03
1378	609670.2	4170820	2.98E-02	4.94E-03	3.65E-03
1379	609661.7	4170824	2.99E-02	4.97E-03	3.67E-03
1380	609653.3	4170827	2.99E-02	4.97E-03	3.67E-03
1381	609644.8	4170831	2.98E-02	4.94E-03	3.65E-03
1382	609636.4	4170834	2.95E-02	4.90E-03	3.61E-03
1383	609627.9	4170838	2.90E-02	4.82E-03	3.56E-03
1384	609619.5	4170841	2.85E-02	4.73E-03	3.49E-03
1385	609723.2	4170720	4.18E-02	6.94E-03	5.12E-03
1386	609723.4	4170711	4.32E-02	7.18E-03	5.30E-03
1387	609723.5	4170701	4.44E-02	7.38E-03	5.44E-03
1388	609723.6	4170692	4.53E-02	7.52E-03	5.55E-03
1389	609723.8	4170682	4.57E-02	7.60E-03	5.61E-03
1390	609723.9	4170673	4.58E-02	7.61E-03	5.62E-03
1391	609724.1	4170664	4.55E-02	7.55E-03	5.58E-03
1392	609724.2	4170654	4.47E-02	7.42E-03	5.48E-03
1393	609724.4	4170645	4.35E-02	7.22E-03	5.33E-03
1394	609724.5	4170635	4.19E-02	6.96E-03	5.14E-03
1395	609724.6	4170626	4.00E-02	6.65E-03	4.91E-03
1396	609729.5	4170738	3.63E-02	6.03E-03	4.45E-03
1397	609722.5	4170755	3.53E-02	5.86E-03	4.33E-03
1398	609715.4	4170771	3.36E-02	5.58E-03	4.12E-03
1399	609708.3	4170788	3.14E-02	5.22E-03	3.86E-03

1400	609701.2	4170804	2.90E-02	4.81E-03	3.55E-03
1401	609685.8	4170824	2.68E-02	4.44E-03	3.28E-03
1402	609677.5	4170827	2.70E-02	4.49E-03	3.31E-03
1403	609660.8	4170834	2.72E-02	4.52E-03	3.33E-03
1404	609644.1	4170841	2.69E-02	4.47E-03	3.30E-03
1405	609627.5	4170848	2.61E-02	4.34E-03	3.20E-03
1406	609733.2	4170720	3.79E-02	6.30E-03	4.65E-03
1407	609733.4	4170711	3.91E-02	6.50E-03	4.80E-03
1408	609733.5	4170701	4.01E-02	6.66E-03	4.92E-03
1409	609733.6	4170692	4.08E-02	6.79E-03	5.01E-03
1410	609733.8	4170683	4.13E-02	6.86E-03	5.06E-03
1411	609733.9	4170673	4.14E-02	6.87E-03	5.07E-03
1412	609734.1	4170664	4.11E-02	6.83E-03	5.04E-03
1413	609734.2	4170654	4.05E-02	6.72E-03	4.96E-03
1414	609734.4	4170645	3.95E-02	6.56E-03	4.84E-03
1415	609734.5	4170635	3.82E-02	6.35E-03	4.69E-03
1416	609734.6	4170626	3.67E-02	6.09E-03	4.49E-03
1417	609739.6	4170738	3.33E-02	5.53E-03	4.08E-03
1418	609732.6	4170754	3.25E-02	5.40E-03	3.98E-03
1419	609725.6	4170771	3.12E-02	5.18E-03	3.82E-03
1420	609718.6	4170787	2.94E-02	4.89E-03	3.61E-03
1421	609711.6	4170803	2.74E-02	4.55E-03	3.36E-03
1422	609704.6	4170820	2.52E-02	4.19E-03	3.09E-03
1423	609692.9	4170831	2.44E-02	4.05E-03	2.99E-03
1424	609676.5	4170838	2.48E-02	4.11E-03	3.04E-03
1425	609660	4170844	2.48E-02	4.12E-03	3.04E-03
1426	609643.6	4170851	2.44E-02	4.05E-03	2.99E-03
1427	609627.1	4170858	2.36E-02	3.92E-03	2.90E-03
1428	609743.2	4170721	3.46E-02	5.74E-03	4.24E-03
1429	609743.4	4170711	3.56E-02	5.91E-03	4.36E-03
1430	609743.5	4170702	3.64E-02	6.05E-03	4.47E-03
1431	609743.6	4170692	3.71E-02	6.16E-03	4.54E-03
1432	609743.8	4170683	3.74E-02	6.22E-03	4.59E-03
1433	609743.9	4170673	3.75E-02	6.23E-03	4.60E-03
1434	609744.1	4170664	3.73E-02	6.20E-03	4.58E-03
1435	609744.2	4170654	3.68E-02	6.12E-03	4.52E-03
1436	609744.4	4170645	3.61E-02	5.99E-03	4.42E-03
1437	609744.5	4170636	3.50E-02	5.81E-03	4.29E-03
1438	609744.6	4170626	3.37E-02	5.60E-03	4.13E-03
1439	609749.6	4170738	3.06E-02	5.08E-03	3.75E-03
1440	609742.7	4170754	3.00E-02	4.98E-03	3.68E-03
1441	609735.8	4170770	2.89E-02	4.81E-03	3.55E-03
1442	609728.9	4170787	2.75E-02	4.57E-03	3.37E-03
1443	609722	4170803	2.58E-02	4.29E-03	3.17E-03
1444	609715	4170819	2.40E-02	3.99E-03	2.94E-03
1445	609700	4170838	2.24E-02	3.71E-03	2.74E-03
1446	609683.7	4170845	2.27E-02	3.77E-03	2.78E-03
1447	609667.5	4170851	2.27E-02	3.78E-03	2.79E-03
1448	609651.2	4170858	2.24E-02	3.73E-03	2.75E-03
1449	609634.9	4170865	2.18E-02	3.63E-03	2.68E-03
1450	609618.7	4170871	2.09E-02	3.48E-03	2.57E-03
1451	609753.2	4170721	3.17E-02	5.26E-03	3.88E-03

1452	609753.4	4170711	3.25E-02	5.40E-03	3.99E-03
1453	609753.5	4170702	3.32E-02	5.52E-03	4.08E-03
1454	609753.6	4170692	3.38E-02	5.61E-03	4.14E-03
1455	609753.8	4170683	3.41E-02	5.67E-03	4.18E-03
1456	609753.9	4170673	3.42E-02	5.68E-03	4.20E-03
1457	609754.1	4170664	3.41E-02	5.66E-03	4.18E-03
1458	609754.2	4170655	3.37E-02	5.59E-03	4.13E-03
1459	609754.4	4170645	3.30E-02	5.49E-03	4.05E-03
1460	609754.5	4170636	3.22E-02	5.34E-03	3.94E-03
1461	609754.6	4170626	3.11E-02	5.16E-03	3.81E-03
1462	609759.4	4170739	2.82E-02	4.68E-03	3.45E-03
1463	609755.7	4170747	2.80E-02	4.65E-03	3.43E-03
1464	609752	4170756	2.77E-02	4.59E-03	3.39E-03
1465	609748.3	4170765	2.72E-02	4.52E-03	3.34E-03
1466	609744.6	4170773	2.67E-02	4.44E-03	3.27E-03
1467	609740.9	4170782	2.61E-02	4.33E-03	3.20E-03
1468	609737.3	4170790	2.54E-02	4.22E-03	3.11E-03
1469	609733.6	4170799	2.46E-02	4.09E-03	3.02E-03
1470	609729.9	4170808	2.38E-02	3.96E-03	2.92E-03
1471	609726.2	4170816	2.30E-02	3.82E-03	2.82E-03
1472	609722.5	4170825	2.21E-02	3.67E-03	2.71E-03
1473	609718.8	4170833	2.12E-02	3.52E-03	2.60E-03
1474	609706.4	4170846	2.06E-02	3.42E-03	2.52E-03
1475	609697.8	4170849	2.08E-02	3.45E-03	2.55E-03
1476	609689.1	4170853	2.09E-02	3.47E-03	2.56E-03
1477	609680.4	4170856	2.09E-02	3.48E-03	2.57E-03
1478	609671.8	4170860	2.09E-02	3.47E-03	2.56E-03
1479	609663.1	4170863	2.08E-02	3.45E-03	2.55E-03
1480	609654.4	4170867	2.06E-02	3.42E-03	2.53E-03
1481	609645.7	4170870	2.04E-02	3.38E-03	2.50E-03
1482	609637.1	4170874	2.00E-02	3.32E-03	2.45E-03
1483	609628.4	4170877	1.96E-02	3.26E-03	2.40E-03
1484	609619.7	4170881	1.91E-02	3.18E-03	2.35E-03
1485	609763.1	4170730	2.82E-02	4.69E-03	3.46E-03
1486	609763.2	4170721	2.91E-02	4.83E-03	3.57E-03
1487	609763.4	4170711	2.98E-02	4.96E-03	3.66E-03
1488	609763.5	4170702	3.05E-02	5.06E-03	3.74E-03
1489	609763.6	4170692	3.09E-02	5.14E-03	3.79E-03
1490	609763.8	4170683	3.12E-02	5.19E-03	3.83E-03
1491	609763.9	4170674	3.13E-02	5.20E-03	3.84E-03
1492	609764.1	4170664	3.12E-02	5.19E-03	3.83E-03
1493	609764.2	4170655	3.09E-02	5.14E-03	3.79E-03
1494	609764.4	4170645	3.04E-02	5.05E-03	3.73E-03
1495	609764.5	4170636	2.97E-02	4.93E-03	3.64E-03
1496	609764.6	4170626	2.87E-02	4.77E-03	3.52E-03
1497	609769.4	4170739	2.60E-02	4.33E-03	3.19E-03
1498	609765.8	4170747	2.59E-02	4.30E-03	3.18E-03
1499	609762.2	4170756	2.57E-02	4.26E-03	3.15E-03
1500	609758.5	4170764	2.53E-02	4.21E-03	3.11E-03
1501	609754.9	4170773	2.49E-02	4.14E-03	3.05E-03
1502	609751.2	4170781	2.44E-02	4.06E-03	2.99E-03
1503	609747.6	4170790	2.38E-02	3.96E-03	2.92E-03

1504	609744	4170798	2.32E-02	3.86E-03	2.85E-03
1505	609740.3	4170807	2.25E-02	3.75E-03	2.76E-03
1506	609736.7	4170815	2.18E-02	3.63E-03	2.68E-03
1507	609733	4170824	2.11E-02	3.50E-03	2.58E-03
1508	609729.4	4170832	2.03E-02	3.38E-03	2.49E-03
1509	609725.8	4170841	1.95E-02	3.25E-03	2.40E-03
1510	609713.6	4170853	1.90E-02	3.15E-03	2.33E-03
1511	609705	4170856	1.91E-02	3.18E-03	2.35E-03
1512	609696.5	4170860	1.93E-02	3.20E-03	2.36E-03
1513	609687.9	4170863	1.93E-02	3.21E-03	2.37E-03
1514	609679.3	4170867	1.93E-02	3.21E-03	2.37E-03
1515	609670.8	4170870	1.92E-02	3.20E-03	2.36E-03
1516	609662.2	4170874	1.91E-02	3.17E-03	2.34E-03
1517	609653.7	4170877	1.89E-02	3.14E-03	2.32E-03
1518	609645.1	4170880	1.86E-02	3.09E-03	2.28E-03
1519	609636.6	4170884	1.83E-02	3.04E-03	2.24E-03
1520	609628	4170887	1.79E-02	2.97E-03	2.20E-03
1521	609619.4	4170891	1.75E-02	2.90E-03	2.14E-03
1522	609773.1	4170730	2.61E-02	4.33E-03	3.20E-03
1523	609773.2	4170721	2.68E-02	4.46E-03	3.29E-03
1524	609773.4	4170712	2.75E-02	4.57E-03	3.37E-03
1525	609773.5	4170702	2.80E-02	4.66E-03	3.44E-03
1526	609773.6	4170693	2.84E-02	4.72E-03	3.49E-03
1527	609773.8	4170683	2.87E-02	4.77E-03	3.52E-03
1528	609773.9	4170674	2.88E-02	4.78E-03	3.53E-03
1529	609774.1	4170664	2.87E-02	4.77E-03	3.52E-03
1530	609774.2	4170655	2.85E-02	4.73E-03	3.49E-03
1531	609774.4	4170645	2.81E-02	4.66E-03	3.44E-03
1532	609774.5	4170636	2.74E-02	4.56E-03	3.36E-03
1533	609774.6	4170627	2.66E-02	4.42E-03	3.26E-03
1534	609779.5	4170739	2.42E-02	4.01E-03	2.96E-03
1535	609775.9	4170747	2.40E-02	3.99E-03	2.95E-03
1536	609772.3	4170756	2.39E-02	3.97E-03	2.93E-03
1537	609765.1	4170772	2.33E-02	3.87E-03	2.85E-03
1538	609761.5	4170781	2.29E-02	3.80E-03	2.80E-03
1539	609757.9	4170789	2.24E-02	3.72E-03	2.75E-03
1540	609754.3	4170798	2.19E-02	3.63E-03	2.68E-03
1541	609750.7	4170806	2.13E-02	3.54E-03	2.61E-03
1542	609747.1	4170814	2.07E-02	3.44E-03	2.54E-03
1543	609743.5	4170823	2.01E-02	3.33E-03	2.46E-03
1544	609739.9	4170831	1.94E-02	3.23E-03	2.38E-03
1545	609736.3	4170840	1.87E-02	3.11E-03	2.30E-03
1546	609732.7	4170848	1.81E-02	3.00E-03	2.21E-03
1547	609720.7	4170860	1.76E-02	2.92E-03	2.15E-03
1548	609712.2	4170863	1.77E-02	2.94E-03	2.17E-03
1549	609703.8	4170867	1.78E-02	2.96E-03	2.19E-03
1550	609695.3	4170870	1.79E-02	2.97E-03	2.19E-03
1551	609686.8	4170874	1.79E-02	2.97E-03	2.19E-03
1552	609678.4	4170877	1.78E-02	2.96E-03	2.19E-03
1553	609669.9	4170880	1.77E-02	2.95E-03	2.17E-03
1554	609661.5	4170884	1.76E-02	2.92E-03	2.15E-03
1555	609653	4170887	1.74E-02	2.88E-03	2.13E-03

1556	609644.6	4170891	1.71E-02	2.84E-03	2.10E-03
1557	609636.1	4170894	1.68E-02	2.79E-03	2.06E-03
1558	609627.6	4170898	1.64E-02	2.73E-03	2.01E-03
1559	609619.2	4170901	1.60E-02	2.66E-03	1.96E-03
1560	609783.1	4170731	2.42E-02	4.02E-03	2.97E-03
1561	609783.2	4170721	2.48E-02	4.13E-03	3.05E-03
1562	609783.4	4170712	2.54E-02	4.22E-03	3.11E-03
1563	609783.5	4170702	2.59E-02	4.30E-03	3.17E-03
1564	609783.6	4170693	2.62E-02	4.36E-03	3.22E-03
1565	609783.8	4170683	2.65E-02	4.40E-03	3.25E-03
1566	609783.9	4170674	2.66E-02	4.41E-03	3.26E-03
1567	609784.1	4170664	2.65E-02	4.41E-03	3.25E-03
1568	609784.2	4170655	2.63E-02	4.37E-03	3.23E-03
1569	609784.4	4170646	2.60E-02	4.31E-03	3.18E-03
1570	609784.5	4170636	2.55E-02	4.23E-03	3.12E-03
1571	609784.6	4170627	2.48E-02	4.11E-03	3.04E-03
1572	609789.5	4170739	2.25E-02	3.73E-03	2.76E-03
1573	609782.4	4170756	2.23E-02	3.70E-03	2.73E-03
1574	609778.8	4170764	2.20E-02	3.66E-03	2.70E-03
1575	609771.7	4170781	2.14E-02	3.56E-03	2.63E-03
1576	609764.6	4170797	2.06E-02	3.43E-03	2.53E-03
1577	609761	4170805	2.01E-02	3.35E-03	2.47E-03
1578	609753.9	4170822	1.91E-02	3.17E-03	2.34E-03
1579	609746.8	4170839	1.79E-02	2.98E-03	2.20E-03
1580	609743.2	4170847	1.73E-02	2.88E-03	2.13E-03
1581	609727.8	4170867	1.63E-02	2.71E-03	2.00E-03
1582	609711	4170874	1.65E-02	2.75E-03	2.03E-03
1583	609694.3	4170880	1.66E-02	2.76E-03	2.04E-03
1584	609685.9	4170884	1.66E-02	2.75E-03	2.03E-03
1585	609669.2	4170891	1.64E-02	2.72E-03	2.01E-03
1586	609652.4	4170897	1.60E-02	2.66E-03	1.96E-03
1587	609635.7	4170904	1.54E-02	2.56E-03	1.89E-03
1588	609627.3	4170908	1.51E-02	2.50E-03	1.85E-03
1589	609793.2	4170721	2.31E-02	3.83E-03	2.83E-03
1590	609793.4	4170712	2.36E-02	3.91E-03	2.89E-03
1591	609793.5	4170702	2.40E-02	3.98E-03	2.94E-03
1592	609793.6	4170693	2.43E-02	4.03E-03	2.98E-03
1593	609793.8	4170684	2.45E-02	4.07E-03	3.00E-03
1594	609793.9	4170674	2.46E-02	4.09E-03	3.02E-03
1595	609794.1	4170665	2.46E-02	4.08E-03	3.01E-03
1596	609794.2	4170655	2.44E-02	4.05E-03	2.99E-03
1597	609794.3	4170646	2.41E-02	4.01E-03	2.96E-03
1598	609794.5	4170636	2.37E-02	3.93E-03	2.90E-03
1599	609794.6	4170627	2.31E-02	3.84E-03	2.83E-03
1600	609799.5	4170739	2.10E-02	3.48E-03	2.57E-03
1601	609792.5	4170756	2.08E-02	3.45E-03	2.55E-03
1602	609785.4	4170772	2.04E-02	3.39E-03	2.50E-03
1603	609778.4	4170788	1.98E-02	3.29E-03	2.43E-03
1604	609771.3	4170805	1.90E-02	3.16E-03	2.34E-03
1605	609764.3	4170821	1.82E-02	3.02E-03	2.23E-03
1606	609757.2	4170838	1.72E-02	2.85E-03	2.10E-03
1607	609750.2	4170854	1.61E-02	2.67E-03	1.97E-03

1608	609734.8	4170874	1.52E-02	2.52E-03	1.86E-03
1609	609718.3	4170881	1.54E-02	2.56E-03	1.89E-03
1610	609701.7	4170887	1.55E-02	2.57E-03	1.90E-03
1611	609685.1	4170894	1.54E-02	2.56E-03	1.89E-03
1612	609668.5	4170901	1.52E-02	2.52E-03	1.86E-03
1613	609651.9	4170908	1.48E-02	2.45E-03	1.81E-03
1614	609635.3	4170914	1.42E-02	2.36E-03	1.74E-03
1615	609618.8	4170921	1.35E-02	2.25E-03	1.66E-03
1616	609803.2	4170721	2.15E-02	3.56E-03	2.63E-03
1617	609803.4	4170712	2.19E-02	3.64E-03	2.68E-03
1618	609803.5	4170703	2.23E-02	3.70E-03	2.73E-03
1619	609803.6	4170693	2.26E-02	3.75E-03	2.77E-03
1620	609803.8	4170684	2.27E-02	3.78E-03	2.79E-03
1621	609803.9	4170674	2.28E-02	3.79E-03	2.80E-03
1622	609804.1	4170665	2.28E-02	3.79E-03	2.80E-03
1623	609804.2	4170655	2.27E-02	3.77E-03	2.78E-03
1624	609804.3	4170646	2.25E-02	3.73E-03	2.75E-03
1625	609804.5	4170636	2.21E-02	3.67E-03	2.71E-03
1626	609804.6	4170627	2.16E-02	3.58E-03	2.65E-03
1627	609809.4	4170740	1.96E-02	3.25E-03	2.40E-03
1628	609805.7	4170748	1.95E-02	3.25E-03	2.40E-03
1629	609802	4170757	1.94E-02	3.23E-03	2.38E-03
1630	609798.3	4170766	1.93E-02	3.20E-03	2.36E-03
1631	609794.6	4170774	1.91E-02	3.17E-03	2.34E-03
1632	609790.9	4170783	1.88E-02	3.13E-03	2.31E-03
1633	609787.2	4170791	1.85E-02	3.08E-03	2.27E-03
1634	609783.5	4170800	1.82E-02	3.02E-03	2.23E-03
1635	609779.7	4170809	1.78E-02	2.96E-03	2.19E-03
1636	609776	4170817	1.74E-02	2.89E-03	2.14E-03
1637	609772.3	4170826	1.70E-02	2.82E-03	2.08E-03
1638	609768.6	4170835	1.65E-02	2.74E-03	2.03E-03
1639	609764.9	4170843	1.60E-02	2.67E-03	1.97E-03
1640	609761.2	4170852	1.56E-02	2.58E-03	1.91E-03
1641	609757.5	4170861	1.51E-02	2.50E-03	1.85E-03
1642	609753.8	4170869	1.45E-02	2.42E-03	1.78E-03
1643	609741.4	4170881	1.42E-02	2.36E-03	1.74E-03
1644	609732.7	4170885	1.43E-02	2.37E-03	1.75E-03
1645	609724	4170888	1.44E-02	2.39E-03	1.76E-03
1646	609715.3	4170892	1.44E-02	2.40E-03	1.77E-03
1647	609706.6	4170895	1.44E-02	2.40E-03	1.77E-03
1648	609697.9	4170899	1.44E-02	2.40E-03	1.77E-03
1649	609689.2	4170903	1.44E-02	2.39E-03	1.76E-03
1650	609680.5	4170906	1.43E-02	2.37E-03	1.75E-03
1651	609671.8	4170910	1.41E-02	2.35E-03	1.73E-03
1652	609663.1	4170913	1.40E-02	2.32E-03	1.71E-03
1653	609654.4	4170917	1.37E-02	2.28E-03	1.68E-03
1654	609645.7	4170920	1.35E-02	2.24E-03	1.65E-03
1655	609637	4170924	1.32E-02	2.19E-03	1.62E-03
1656	609628.3	4170927	1.29E-02	2.14E-03	1.58E-03
1657	609619.6	4170931	1.25E-02	2.08E-03	1.54E-03
1658	609813.1	4170731	1.96E-02	3.25E-03	2.40E-03
1659	609813.2	4170722	2.00E-02	3.33E-03	2.46E-03

1660	609813.4	4170712	2.04E-02	3.39E-03	2.50E-03
1661	609813.5	4170703	2.07E-02	3.45E-03	2.54E-03
1662	609813.6	4170693	2.10E-02	3.49E-03	2.57E-03
1663	609813.8	4170684	2.12E-02	3.52E-03	2.60E-03
1664	609813.9	4170674	2.13E-02	3.53E-03	2.61E-03
1665	609814.1	4170665	2.13E-02	3.53E-03	2.61E-03
1666	609814.2	4170655	2.12E-02	3.51E-03	2.59E-03
1667	609814.3	4170646	2.10E-02	3.48E-03	2.57E-03
1668	609814.5	4170637	2.06E-02	3.43E-03	2.53E-03
1669	609814.6	4170627	2.02E-02	3.36E-03	2.48E-03
1670	609819.4	4170740	1.84E-02	3.05E-03	2.25E-03
1671	609815.7	4170748	1.83E-02	3.04E-03	2.25E-03
1672	609812.1	4170757	1.82E-02	3.03E-03	2.24E-03
1673	609808.4	4170765	1.81E-02	3.01E-03	2.22E-03
1674	609804.8	4170774	1.79E-02	2.98E-03	2.20E-03
1675	609801.1	4170782	1.77E-02	2.95E-03	2.18E-03
1676	609797.4	4170791	1.75E-02	2.91E-03	2.15E-03
1677	609793.8	4170800	1.72E-02	2.86E-03	2.11E-03
1678	609790.1	4170808	1.69E-02	2.81E-03	2.07E-03
1679	609786.4	4170817	1.66E-02	2.75E-03	2.03E-03
1680	609782.8	4170825	1.62E-02	2.69E-03	1.98E-03
1681	609779.1	4170834	1.58E-02	2.62E-03	1.93E-03
1682	609775.4	4170842	1.54E-02	2.55E-03	1.88E-03
1683	609771.8	4170851	1.49E-02	2.48E-03	1.83E-03
1684	609768.1	4170859	1.45E-02	2.41E-03	1.78E-03
1685	609764.5	4170868	1.40E-02	2.33E-03	1.72E-03
1686	609760.8	4170876	1.36E-02	2.26E-03	1.67E-03
1687	609748.5	4170888	1.33E-02	2.20E-03	1.63E-03
1688	609739.9	4170892	1.34E-02	2.22E-03	1.64E-03
1689	609731.3	4170895	1.35E-02	2.23E-03	1.65E-03
1690	609722.7	4170899	1.35E-02	2.24E-03	1.66E-03
1691	609714.1	4170902	1.35E-02	2.25E-03	1.66E-03
1692	609705.5	4170906	1.35E-02	2.24E-03	1.66E-03
1693	609696.8	4170909	1.35E-02	2.24E-03	1.65E-03
1694	609688.2	4170913	1.34E-02	2.22E-03	1.64E-03
1695	609679.6	4170916	1.33E-02	2.21E-03	1.63E-03
1696	609671	4170920	1.31E-02	2.18E-03	1.61E-03
1697	609662.4	4170923	1.30E-02	2.15E-03	1.59E-03
1698	609653.8	4170927	1.27E-02	2.12E-03	1.56E-03
1699	609645.2	4170930	1.25E-02	2.08E-03	1.53E-03
1700	609636.5	4170934	1.22E-02	2.03E-03	1.50E-03
1701	609627.9	4170937	1.19E-02	1.98E-03	1.46E-03
1702	609619.3	4170941	1.16E-02	1.93E-03	1.42E-03
1703	609823.1	4170731	1.83E-02	3.05E-03	2.25E-03
1704	609823.2	4170722	1.87E-02	3.11E-03	2.30E-03
1705	609823.4	4170712	1.91E-02	3.17E-03	2.34E-03
1706	609823.5	4170703	1.94E-02	3.22E-03	2.38E-03
1707	609823.6	4170693	1.96E-02	3.26E-03	2.40E-03
1708	609823.8	4170684	1.98E-02	3.28E-03	2.42E-03
1709	609823.9	4170675	1.98E-02	3.30E-03	2.43E-03
1710	609824.1	4170665	1.99E-02	3.30E-03	2.43E-03
1711	609824.2	4170656	1.98E-02	3.28E-03	2.42E-03

1712	609824.3	4170646	1.96E-02	3.26E-03	2.40E-03
1713	609824.5	4170637	1.93E-02	3.21E-03	2.37E-03
1714	609824.6	4170627	1.90E-02	3.15E-03	2.33E-03
1715	609829.4	4170740	1.72E-02	2.86E-03	2.11E-03
1716	609825.8	4170748	1.72E-02	2.86E-03	2.11E-03
1717	609822.2	4170757	1.71E-02	2.85E-03	2.10E-03
1718	609818.6	4170765	1.70E-02	2.83E-03	2.09E-03
1719	609814.9	4170774	1.69E-02	2.81E-03	2.07E-03
1720	609811.3	4170782	1.67E-02	2.78E-03	2.05E-03
1721	609807.7	4170791	1.65E-02	2.75E-03	2.03E-03
1722	609804	4170799	1.63E-02	2.71E-03	2.00E-03
1723	609800.4	4170807	1.60E-02	2.66E-03	1.97E-03
1724	609796.8	4170816	1.57E-02	2.61E-03	1.93E-03
1725	609793.2	4170824	1.54E-02	2.56E-03	1.89E-03
1726	609789.5	4170833	1.51E-02	2.50E-03	1.85E-03
1727	609785.9	4170841	1.47E-02	2.44E-03	1.80E-03
1728	609782.3	4170850	1.43E-02	2.38E-03	1.76E-03
1729	609778.6	4170858	1.39E-02	2.32E-03	1.71E-03
1730	609775	4170867	1.35E-02	2.25E-03	1.66E-03
1731	609771.4	4170875	1.31E-02	2.18E-03	1.61E-03
1732	609767.8	4170884	1.27E-02	2.11E-03	1.56E-03
1733	609755.6	4170896	1.24E-02	2.07E-03	1.53E-03
1734	609747.1	4170899	1.25E-02	2.08E-03	1.54E-03
1735	609738.5	4170902	1.26E-02	2.09E-03	1.55E-03
1736	609730	4170906	1.27E-02	2.10E-03	1.55E-03
1737	609721.5	4170909	1.27E-02	2.11E-03	1.55E-03
1738	609712.9	4170913	1.27E-02	2.11E-03	1.55E-03
1739	609704.4	4170916	1.26E-02	2.10E-03	1.55E-03
1740	609695.9	4170920	1.26E-02	2.09E-03	1.54E-03
1741	609687.4	4170923	1.25E-02	2.08E-03	1.53E-03
1742	609678.8	4170927	1.24E-02	2.06E-03	1.52E-03
1743	609670.3	4170930	1.22E-02	2.03E-03	1.50E-03
1744	609661.8	4170934	1.20E-02	2.00E-03	1.48E-03
1745	609653.2	4170937	1.18E-02	1.97E-03	1.45E-03
1746	609644.7	4170941	1.16E-02	1.93E-03	1.42E-03
1747	609636.2	4170944	1.14E-02	1.89E-03	1.39E-03
1748	609627.6	4170947	1.11E-02	1.84E-03	1.36E-03
1749	609619.1	4170951	1.08E-02	1.79E-03	1.32E-03
1750	609833.1	4170731	1.72E-02	2.86E-03	2.11E-03
1751	609833.2	4170722	1.76E-02	2.92E-03	2.15E-03
1752	609833.4	4170712	1.79E-02	2.97E-03	2.19E-03
1753	609833.5	4170703	1.81E-02	3.01E-03	2.22E-03
1754	609833.6	4170694	1.83E-02	3.05E-03	2.25E-03
1755	609833.8	4170684	1.85E-02	3.07E-03	2.27E-03
1756	609833.9	4170675	1.86E-02	3.09E-03	2.28E-03
1757	609834.1	4170665	1.86E-02	3.09E-03	2.28E-03
1758	609834.2	4170656	1.85E-02	3.08E-03	2.27E-03
1759	609834.3	4170646	1.84E-02	3.05E-03	2.25E-03
1760	609834.5	4170637	1.82E-02	3.02E-03	2.23E-03
1761	609834.6	4170627	1.78E-02	2.96E-03	2.19E-03
1762	609839.5	4170740	1.62E-02	2.69E-03	1.99E-03
1763	609835.9	4170748	1.62E-02	2.69E-03	1.99E-03

1764	609832.3	4170757	1.62E-02	2.68E-03	1.98E-03
1765	609828.7	4170765	1.61E-02	2.67E-03	1.97E-03
1766	609825.1	4170773	1.60E-02	2.65E-03	1.96E-03
1767	609817.9	4170790	1.56E-02	2.60E-03	1.92E-03
1768	609810.7	4170807	1.52E-02	2.53E-03	1.86E-03
1769	609803.5	4170824	1.47E-02	2.44E-03	1.80E-03
1770	609799.9	4170832	1.44E-02	2.39E-03	1.76E-03
1771	609796.3	4170840	1.41E-02	2.34E-03	1.72E-03
1772	609792.7	4170849	1.37E-02	2.28E-03	1.68E-03
1773	609785.5	4170866	1.30E-02	2.17E-03	1.60E-03
1774	609778.3	4170882	1.23E-02	2.05E-03	1.51E-03
1775	609762.7	4170903	1.17E-02	1.94E-03	1.43E-03
1776	609754.2	4170906	1.18E-02	1.96E-03	1.44E-03
1777	609745.8	4170910	1.18E-02	1.97E-03	1.45E-03
1778	609737.3	4170913	1.19E-02	1.98E-03	1.46E-03
1779	609728.9	4170916	1.19E-02	1.98E-03	1.46E-03
1780	609720.4	4170920	1.19E-02	1.98E-03	1.46E-03
1781	609711.9	4170923	1.19E-02	1.98E-03	1.46E-03
1782	609703.5	4170927	1.18E-02	1.97E-03	1.45E-03
1783	609695	4170930	1.18E-02	1.96E-03	1.44E-03
1784	609686.6	4170934	1.17E-02	1.94E-03	1.43E-03
1785	609678.1	4170937	1.15E-02	1.92E-03	1.42E-03
1786	609669.7	4170940	1.14E-02	1.89E-03	1.40E-03
1787	609661.2	4170944	1.12E-02	1.86E-03	1.38E-03
1788	609652.7	4170947	1.10E-02	1.83E-03	1.35E-03
1789	609644.3	4170951	1.08E-02	1.79E-03	1.32E-03
1790	609635.8	4170954	1.06E-02	1.75E-03	1.30E-03
1791	609627.4	4170958	1.03E-02	1.71E-03	1.26E-03
1792	609618.9	4170961	1.00E-02	1.67E-03	1.23E-03
1793	609843.1	4170731	1.62E-02	2.69E-03	1.98E-03
1794	609843.2	4170722	1.65E-02	2.74E-03	2.02E-03
1795	609843.4	4170713	1.68E-02	2.79E-03	2.06E-03
1796	609843.5	4170703	1.70E-02	2.83E-03	2.09E-03
1797	609843.6	4170694	1.72E-02	2.86E-03	2.11E-03
1798	609843.8	4170684	1.73E-02	2.88E-03	2.13E-03
1799	609843.9	4170675	1.74E-02	2.89E-03	2.13E-03
1800	609844.1	4170665	1.74E-02	2.89E-03	2.14E-03
1801	609844.2	4170656	1.74E-02	2.89E-03	2.13E-03
1802	609844.3	4170647	1.73E-02	2.87E-03	2.12E-03
1803	609844.5	4170637	1.71E-02	2.83E-03	2.09E-03
1804	609844.6	4170628	1.68E-02	2.79E-03	2.06E-03
1805	609849.5	4170740	1.53E-02	2.54E-03	1.87E-03
1806	609842.4	4170757	1.52E-02	2.53E-03	1.87E-03
1807	609838.8	4170765	1.52E-02	2.52E-03	1.86E-03
1808	609831.7	4170782	1.50E-02	2.48E-03	1.83E-03
1809	609824.5	4170798	1.46E-02	2.43E-03	1.79E-03
1810	609817.4	4170815	1.42E-02	2.36E-03	1.74E-03
1811	609813.8	4170823	1.40E-02	2.32E-03	1.71E-03
1812	609806.7	4170840	1.35E-02	2.23E-03	1.65E-03
1813	609799.5	4170856	1.29E-02	2.14E-03	1.58E-03
1814	609792.4	4170873	1.22E-02	2.03E-03	1.50E-03
1815	609788.8	4170881	1.19E-02	1.98E-03	1.46E-03

1816	609781.7	4170898	1.12E-02	1.87E-03	1.38E-03
1817	609769.7	4170910	1.10E-02	1.83E-03	1.35E-03
1818	609761.4	4170913	1.11E-02	1.84E-03	1.36E-03
1819	609753	4170917	1.12E-02	1.85E-03	1.37E-03
1820	609744.6	4170920	1.12E-02	1.86E-03	1.37E-03
1821	609727.8	4170927	1.12E-02	1.86E-03	1.38E-03
1822	609719.4	4170930	1.12E-02	1.86E-03	1.37E-03
1823	609702.6	4170937	1.11E-02	1.85E-03	1.36E-03
1824	609694.2	4170940	1.10E-02	1.83E-03	1.35E-03
1825	609677.5	4170947	1.08E-02	1.79E-03	1.32E-03
1826	609660.7	4170954	1.05E-02	1.74E-03	1.28E-03
1827	609652.3	4170957	1.03E-02	1.71E-03	1.26E-03
1828	609643.9	4170961	1.01E-02	1.67E-03	1.24E-03
1829	609635.5	4170964	9.85E-03	1.64E-03	1.21E-03
1830	609627.1	4170968	9.61E-03	1.60E-03	1.18E-03
1831	609853.1	4170732	1.52E-02	2.53E-03	1.87E-03
1832	609853.2	4170722	1.55E-02	2.58E-03	1.90E-03
1833	609853.4	4170713	1.58E-02	2.62E-03	1.94E-03
1834	609853.5	4170703	1.60E-02	2.66E-03	1.96E-03
1835	609853.6	4170694	1.62E-02	2.68E-03	1.98E-03
1836	609853.8	4170684	1.63E-02	2.70E-03	1.99E-03
1837	609853.9	4170675	1.63E-02	2.71E-03	2.00E-03
1838	609854.1	4170666	1.63E-02	2.71E-03	2.00E-03
1839	609854.2	4170656	1.63E-02	2.71E-03	2.00E-03
1840	609854.3	4170647	1.62E-02	2.69E-03	1.99E-03
1841	609854.5	4170637	1.60E-02	2.66E-03	1.97E-03
1842	609854.6	4170628	1.58E-02	2.63E-03	1.94E-03
1843	609859.4	4170740	1.44E-02	2.40E-03	1.77E-03
1844	609855.6	4170749	1.44E-02	2.40E-03	1.77E-03
1845	609851.9	4170758	1.44E-02	2.39E-03	1.76E-03
1846	609848.2	4170766	1.43E-02	2.38E-03	1.76E-03
1847	609844.5	4170775	1.42E-02	2.37E-03	1.75E-03
1848	609840.8	4170784	1.41E-02	2.35E-03	1.73E-03
1849	609837.1	4170792	1.40E-02	2.32E-03	1.72E-03
1850	609833.4	4170801	1.38E-02	2.30E-03	1.69E-03
1851	609829.7	4170810	1.36E-02	2.27E-03	1.67E-03
1852	609826	4170818	1.34E-02	2.23E-03	1.65E-03
1853	609822.2	4170827	1.32E-02	2.20E-03	1.62E-03
1854	609818.5	4170836	1.30E-02	2.15E-03	1.59E-03
1855	609814.8	4170844	1.27E-02	2.11E-03	1.56E-03
1856	609811.1	4170853	1.24E-02	2.07E-03	1.53E-03
1857	609807.4	4170862	1.22E-02	2.02E-03	1.49E-03
1858	609803.7	4170870	1.19E-02	1.97E-03	1.45E-03
1859	609800	4170879	1.16E-02	1.92E-03	1.42E-03
1860	609796.3	4170888	1.12E-02	1.87E-03	1.38E-03
1861	609792.6	4170896	1.09E-02	1.82E-03	1.34E-03
1862	609788.8	4170905	1.06E-02	1.76E-03	1.30E-03
1863	609776.4	4170917	1.04E-02	1.72E-03	1.27E-03
1864	609767.7	4170921	1.05E-02	1.74E-03	1.28E-03
1865	609759	4170924	1.05E-02	1.75E-03	1.29E-03
1866	609750.2	4170928	1.06E-02	1.76E-03	1.30E-03
1867	609741.5	4170931	1.06E-02	1.76E-03	1.30E-03

1868	609732.8	4170935	1.06E-02	1.76E-03	1.30E-03
1869	609724.1	4170938	1.06E-02	1.76E-03	1.30E-03
1870	609715.3	4170942	1.05E-02	1.75E-03	1.29E-03
1871	609706.6	4170945	1.05E-02	1.74E-03	1.28E-03
1872	609697.9	4170949	1.04E-02	1.73E-03	1.27E-03
1873	609689.2	4170952	1.03E-02	1.71E-03	1.26E-03
1874	609680.4	4170956	1.02E-02	1.69E-03	1.25E-03
1875	609671.7	4170960	1.00E-02	1.66E-03	1.23E-03
1876	609663	4170963	9.85E-03	1.64E-03	1.21E-03
1877	609654.3	4170967	9.67E-03	1.61E-03	1.19E-03
1878	609645.5	4170970	9.46E-03	1.57E-03	1.16E-03
1879	609636.8	4170974	9.24E-03	1.53E-03	1.13E-03
1880	609628.1	4170977	9.00E-03	1.50E-03	1.10E-03
1881	609619.4	4170981	8.76E-03	1.45E-03	1.07E-03
1882	609863.1	4170732	1.44E-02	2.39E-03	1.76E-03
1883	609863.2	4170722	1.46E-02	2.43E-03	1.80E-03
1884	609863.3	4170713	1.49E-02	2.47E-03	1.82E-03
1885	609863.5	4170703	1.51E-02	2.50E-03	1.85E-03
1886	609863.6	4170694	1.52E-02	2.53E-03	1.86E-03
1887	609863.8	4170685	1.53E-02	2.54E-03	1.87E-03
1888	609863.9	4170675	1.53E-02	2.54E-03	1.88E-03
1889	609864.1	4170666	1.53E-02	2.55E-03	1.88E-03
1890	609864.2	4170656	1.53E-02	2.55E-03	1.88E-03
1891	609864.3	4170647	1.52E-02	2.53E-03	1.87E-03
1892	609864.5	4170637	1.51E-02	2.51E-03	1.85E-03
1893	609864.6	4170628	1.49E-02	2.48E-03	1.83E-03
1894	609869.4	4170740	1.36E-02	2.27E-03	1.67E-03
1895	609865.7	4170749	1.36E-02	2.27E-03	1.67E-03
1896	609862	4170758	1.36E-02	2.26E-03	1.67E-03
1897	609858.4	4170766	1.36E-02	2.25E-03	1.66E-03
1898	609854.7	4170775	1.35E-02	2.24E-03	1.66E-03
1899	609851	4170783	1.34E-02	2.23E-03	1.64E-03
1900	609847.3	4170792	1.33E-02	2.21E-03	1.63E-03
1901	609843.6	4170801	1.31E-02	2.18E-03	1.61E-03
1902	609840	4170809	1.30E-02	2.16E-03	1.59E-03
1903	609836.3	4170818	1.28E-02	2.13E-03	1.57E-03
1904	609832.6	4170826	1.26E-02	2.10E-03	1.55E-03
1905	609828.9	4170835	1.24E-02	2.06E-03	1.52E-03
1906	609825.2	4170843	1.22E-02	2.02E-03	1.49E-03
1907	609821.6	4170852	1.19E-02	1.98E-03	1.46E-03
1908	609817.9	4170861	1.17E-02	1.94E-03	1.43E-03
1909	609814.2	4170869	1.14E-02	1.90E-03	1.40E-03
1910	609810.5	4170878	1.12E-02	1.85E-03	1.37E-03
1911	609806.9	4170886	1.09E-02	1.81E-03	1.33E-03
1912	609803.2	4170895	1.06E-02	1.76E-03	1.30E-03
1913	609799.5	4170903	1.03E-02	1.71E-03	1.26E-03
1914	609795.8	4170912	1.00E-02	1.66E-03	1.23E-03
1915	609783.5	4170924	9.82E-03	1.63E-03	1.20E-03
1916	609774.8	4170928	9.89E-03	1.64E-03	1.21E-03
1917	609766.2	4170931	9.94E-03	1.65E-03	1.22E-03
1918	609757.5	4170935	9.98E-03	1.66E-03	1.22E-03
1919	609748.9	4170938	1.00E-02	1.66E-03	1.23E-03

1920	609740.2	4170942	1.00E-02	1.66E-03	1.23E-03
1921	609731.6	4170945	1.00E-02	1.66E-03	1.23E-03
1922	609722.9	4170949	9.97E-03	1.66E-03	1.22E-03
1923	609714.3	4170952	9.92E-03	1.65E-03	1.22E-03
1924	609705.7	4170956	9.85E-03	1.64E-03	1.21E-03
1925	609697	4170959	9.76E-03	1.62E-03	1.20E-03
1926	609688.4	4170963	9.66E-03	1.60E-03	1.18E-03
1927	609679.7	4170966	9.53E-03	1.58E-03	1.17E-03
1928	609671.1	4170970	9.39E-03	1.56E-03	1.15E-03
1929	609662.4	4170973	9.23E-03	1.53E-03	1.13E-03
1930	609653.8	4170977	9.05E-03	1.50E-03	1.11E-03
1931	609645.1	4170980	8.85E-03	1.47E-03	1.09E-03
1932	609636.5	4170984	8.64E-03	1.44E-03	1.06E-03
1933	609627.8	4170987	8.42E-03	1.40E-03	1.03E-03
1934	609619.2	4170991	8.19E-03	1.36E-03	1.00E-03
1935	609873.1	4170732	1.36E-02	2.26E-03	1.67E-03
1936	609873.2	4170722	1.38E-02	2.30E-03	1.70E-03
1937	609873.3	4170713	1.40E-02	2.33E-03	1.72E-03
1938	609873.5	4170704	1.42E-02	2.36E-03	1.74E-03
1939	609873.6	4170694	1.43E-02	2.38E-03	1.76E-03
1940	609873.8	4170685	1.44E-02	2.39E-03	1.77E-03
1941	609873.9	4170675	1.45E-02	2.40E-03	1.77E-03
1942	609874.1	4170666	1.45E-02	2.41E-03	1.78E-03
1943	609874.2	4170656	1.45E-02	2.40E-03	1.77E-03
1944	609874.3	4170647	1.44E-02	2.39E-03	1.77E-03
1945	609874.5	4170638	1.43E-02	2.37E-03	1.75E-03
1946	609874.6	4170628	1.41E-02	2.35E-03	1.73E-03
1947	609879.4	4170741	1.29E-02	2.15E-03	1.58E-03
1948	609875.8	4170749	1.29E-02	2.15E-03	1.58E-03
1949	609872.1	4170758	1.29E-02	2.14E-03	1.58E-03
1950	609868.5	4170766	1.29E-02	2.14E-03	1.58E-03
1951	609864.8	4170775	1.28E-02	2.13E-03	1.57E-03
1952	609861.2	4170783	1.27E-02	2.11E-03	1.56E-03
1953	609857.5	4170792	1.26E-02	2.10E-03	1.55E-03
1954	609853.9	4170800	1.25E-02	2.08E-03	1.53E-03
1955	609850.2	4170809	1.24E-02	2.05E-03	1.52E-03
1956	609846.6	4170817	1.22E-02	2.03E-03	1.50E-03
1957	609842.9	4170826	1.21E-02	2.00E-03	1.48E-03
1958	609839.3	4170834	1.19E-02	1.97E-03	1.46E-03
1959	609835.6	4170843	1.17E-02	1.94E-03	1.43E-03
1960	609832	4170851	1.15E-02	1.90E-03	1.40E-03
1961	609828.3	4170860	1.12E-02	1.87E-03	1.38E-03
1962	609824.7	4170868	1.10E-02	1.83E-03	1.35E-03
1963	609821	4170877	1.08E-02	1.79E-03	1.32E-03
1964	609817.4	4170885	1.05E-02	1.75E-03	1.29E-03
1965	609813.7	4170894	1.03E-02	1.71E-03	1.26E-03
1966	609810.1	4170902	1.00E-02	1.66E-03	1.23E-03
1967	609806.4	4170911	9.75E-03	1.62E-03	1.19E-03
1968	609802.8	4170919	9.48E-03	1.57E-03	1.16E-03
1969	609790.6	4170931	9.29E-03	1.54E-03	1.14E-03
1970	609782	4170935	9.36E-03	1.55E-03	1.15E-03
1971	609773.4	4170938	9.41E-03	1.56E-03	1.15E-03

1972	609764.8	4170942	9.45E-03	1.57E-03	1.16E-03
1973	609756.2	4170945	9.47E-03	1.57E-03	1.16E-03
1974	609747.7	4170949	9.48E-03	1.57E-03	1.16E-03
1975	609739.1	4170952	9.47E-03	1.57E-03	1.16E-03
1976	609730.5	4170956	9.45E-03	1.57E-03	1.16E-03
1977	609721.9	4170959	9.41E-03	1.56E-03	1.15E-03
1978	609713.4	4170963	9.35E-03	1.55E-03	1.15E-03
1979	609704.8	4170966	9.27E-03	1.54E-03	1.14E-03
1980	609696.2	4170970	9.18E-03	1.53E-03	1.13E-03
1981	609687.6	4170973	9.08E-03	1.51E-03	1.11E-03
1982	609679	4170977	8.95E-03	1.49E-03	1.10E-03
1983	609670.5	4170980	8.81E-03	1.46E-03	1.08E-03
1984	609661.9	4170983	8.65E-03	1.44E-03	1.06E-03
1985	609653.3	4170987	8.48E-03	1.41E-03	1.04E-03
1986	609644.7	4170990	8.30E-03	1.38E-03	1.02E-03
1987	609636.1	4170994	8.10E-03	1.35E-03	9.94E-04
1988	609627.6	4170997	7.90E-03	1.31E-03	9.68E-04
1989	609619	4171001	7.68E-03	1.28E-03	9.42E-04
1990	609883.1	4170732	1.29E-02	2.14E-03	1.58E-03
1991	609883.2	4170723	1.31E-02	2.18E-03	1.61E-03
1992	609883.3	4170713	1.33E-02	2.21E-03	1.63E-03
1993	609883.5	4170704	1.34E-02	2.23E-03	1.65E-03
1994	609883.6	4170694	1.36E-02	2.25E-03	1.66E-03
1995	609883.8	4170685	1.36E-02	2.26E-03	1.67E-03
1996	609883.9	4170675	1.37E-02	2.27E-03	1.67E-03
1997	609884.1	4170666	1.37E-02	2.27E-03	1.68E-03
1998	609884.2	4170657	1.37E-02	2.27E-03	1.68E-03
1999	609884.3	4170647	1.36E-02	2.26E-03	1.67E-03
2000	609884.5	4170638	1.35E-02	2.25E-03	1.66E-03
2001	609884.6	4170628	1.34E-02	2.23E-03	1.64E-03
2002	609889.4	4170741	1.23E-02	2.03E-03	1.50E-03
2003	609885.8	4170749	1.23E-02	2.04E-03	1.50E-03
2004	609882.2	4170758	1.23E-02	2.04E-03	1.50E-03
2005	609878.6	4170766	1.22E-02	2.03E-03	1.50E-03
2006	609875	4170774	1.22E-02	2.02E-03	1.49E-03
2007	609871.3	4170783	1.21E-02	2.01E-03	1.48E-03
2008	609867.7	4170791	1.20E-02	2.00E-03	1.47E-03
2009	609864.1	4170800	1.19E-02	1.98E-03	1.46E-03
2010	609860.5	4170808	1.18E-02	1.96E-03	1.45E-03
2011	609856.8	4170817	1.17E-02	1.94E-03	1.43E-03
2012	609853.2	4170825	1.15E-02	1.91E-03	1.41E-03
2013	609849.6	4170834	1.14E-02	1.89E-03	1.39E-03
2014	609846	4170842	1.12E-02	1.86E-03	1.37E-03
2015	609842.4	4170850	1.10E-02	1.83E-03	1.35E-03
2016	609838.7	4170859	1.08E-02	1.79E-03	1.32E-03
2017	609835.1	4170867	1.06E-02	1.76E-03	1.30E-03
2018	609831.5	4170876	1.04E-02	1.72E-03	1.27E-03
2019	609827.9	4170884	1.02E-02	1.69E-03	1.25E-03
2020	609824.2	4170893	9.93E-03	1.65E-03	1.22E-03
2021	609820.6	4170901	9.70E-03	1.61E-03	1.19E-03
2022	609817	4170910	9.47E-03	1.57E-03	1.16E-03
2023	609813.4	4170918	9.23E-03	1.53E-03	1.13E-03

2024	609809.8	4170926	8.98E-03	1.49E-03	1.10E-03
2025	609797.6	4170938	8.81E-03	1.46E-03	1.08E-03
2026	609789.1	4170942	8.87E-03	1.47E-03	1.09E-03
2027	609780.6	4170945	8.92E-03	1.48E-03	1.09E-03
2028	609772.1	4170949	8.95E-03	1.49E-03	1.10E-03
2029	609763.6	4170952	8.98E-03	1.49E-03	1.10E-03
2030	609755.1	4170956	8.99E-03	1.49E-03	1.10E-03
2031	609746.5	4170959	8.98E-03	1.49E-03	1.10E-03
2032	609738	4170963	8.96E-03	1.49E-03	1.10E-03
2033	609729.5	4170966	8.93E-03	1.48E-03	1.09E-03
2034	609721	4170969	8.88E-03	1.48E-03	1.09E-03
2035	609712.5	4170973	8.82E-03	1.46E-03	1.08E-03
2036	609704	4170976	8.74E-03	1.45E-03	1.07E-03
2037	609695.4	4170980	8.65E-03	1.44E-03	1.06E-03
2038	609686.9	4170983	8.54E-03	1.42E-03	1.05E-03
2039	609678.4	4170987	8.42E-03	1.40E-03	1.03E-03
2040	609669.9	4170990	8.28E-03	1.38E-03	1.02E-03
2041	609661.4	4170994	8.13E-03	1.35E-03	9.97E-04
2042	609652.9	4170997	7.97E-03	1.32E-03	9.77E-04
2043	609644.4	4171001	7.79E-03	1.29E-03	9.56E-04
2044	609635.8	4171004	7.61E-03	1.26E-03	9.33E-04
2045	609627.3	4171007	7.42E-03	1.23E-03	9.09E-04
2046	609618.8	4171011	7.22E-03	1.20E-03	8.85E-04
2047	609893.1	4170732	1.22E-02	2.03E-03	1.50E-03
2048	609893.2	4170723	1.24E-02	2.06E-03	1.52E-03
2049	609893.3	4170713	1.26E-02	2.09E-03	1.54E-03
2050	609893.5	4170704	1.27E-02	2.12E-03	1.56E-03
2051	609893.6	4170694	1.28E-02	2.13E-03	1.57E-03
2052	609893.8	4170685	1.29E-02	2.14E-03	1.58E-03
2053	609893.9	4170676	1.29E-02	2.15E-03	1.59E-03
2054	609894.1	4170666	1.30E-02	2.15E-03	1.59E-03
2055	609894.2	4170657	1.30E-02	2.15E-03	1.59E-03
2056	609894.3	4170647	1.29E-02	2.15E-03	1.58E-03
2057	609894.5	4170638	1.28E-02	2.13E-03	1.57E-03
2058	609894.6	4170628	1.27E-02	2.11E-03	1.56E-03
2059	609899.5	4170741	1.16E-02	1.93E-03	1.43E-03
2060	609895.9	4170749	1.16E-02	1.94E-03	1.43E-03
2061	609892.3	4170758	1.16E-02	1.93E-03	1.43E-03
2062	609888.7	4170766	1.16E-02	1.93E-03	1.42E-03
2063	609885.1	4170774	1.16E-02	1.92E-03	1.42E-03
2064	609881.5	4170783	1.15E-02	1.91E-03	1.41E-03
2065	609877.9	4170791	1.15E-02	1.90E-03	1.40E-03
2066	609874.3	4170799	1.14E-02	1.89E-03	1.39E-03
2067	609870.7	4170808	1.13E-02	1.87E-03	1.38E-03
2068	609867.1	4170816	1.11E-02	1.85E-03	1.37E-03
2069	609859.9	4170833	1.09E-02	1.81E-03	1.33E-03
2070	609856.3	4170841	1.07E-02	1.78E-03	1.31E-03
2071	609852.7	4170850	1.06E-02	1.75E-03	1.29E-03
2072	609849.1	4170858	1.04E-02	1.72E-03	1.27E-03
2073	609845.5	4170867	1.02E-02	1.69E-03	1.25E-03
2074	609841.9	4170875	1.00E-02	1.66E-03	1.23E-03
2075	609838.3	4170883	9.81E-03	1.63E-03	1.20E-03

2076	609834.7	4170892	9.61E-03	1.60E-03	1.18E-03
2077	609827.5	4170909	9.19E-03	1.53E-03	1.13E-03
2078	609823.9	4170917	8.97E-03	1.49E-03	1.10E-03
2079	609820.3	4170925	8.75E-03	1.45E-03	1.07E-03
2080	609816.7	4170934	8.53E-03	1.42E-03	1.05E-03
2081	609804.7	4170945	8.37E-03	1.39E-03	1.03E-03
2082	609796.2	4170949	8.42E-03	1.40E-03	1.03E-03
2083	609787.8	4170952	8.47E-03	1.41E-03	1.04E-03
2084	609779.3	4170956	8.50E-03	1.41E-03	1.04E-03
2085	609770.9	4170959	8.52E-03	1.42E-03	1.04E-03
2086	609762.4	4170963	8.53E-03	1.42E-03	1.05E-03
2087	609753.9	4170966	8.53E-03	1.42E-03	1.05E-03
2088	609745.5	4170970	8.52E-03	1.41E-03	1.04E-03
2089	609737	4170973	8.49E-03	1.41E-03	1.04E-03
2090	609728.6	4170976	8.45E-03	1.40E-03	1.04E-03
2091	609720.1	4170980	8.40E-03	1.39E-03	1.03E-03
2092	609711.7	4170983	8.33E-03	1.38E-03	1.02E-03
2093	609703.2	4170987	8.25E-03	1.37E-03	1.01E-03
2094	609694.8	4170990	8.15E-03	1.35E-03	1.00E-03
2095	609686.3	4170994	8.05E-03	1.34E-03	9.86E-04
2096	609677.8	4170997	7.93E-03	1.32E-03	9.72E-04
2097	609669.4	4171000	7.79E-03	1.29E-03	9.55E-04
2098	609660.9	4171004	7.65E-03	1.27E-03	9.38E-04
2099	609652.5	4171007	7.49E-03	1.24E-03	9.19E-04
2100	609644	4171011	7.33E-03	1.22E-03	8.99E-04
2101	609635.6	4171014	7.16E-03	1.19E-03	8.78E-04
2102	609627.1	4171018	6.98E-03	1.16E-03	8.55E-04
2103	609903.1	4170732	1.16E-02	1.93E-03	1.42E-03
2104	609903.2	4170723	1.18E-02	1.96E-03	1.44E-03
2105	609903.3	4170713	1.19E-02	1.98E-03	1.46E-03
2106	609903.5	4170704	1.21E-02	2.00E-03	1.48E-03
2107	609903.6	4170695	1.22E-02	2.02E-03	1.49E-03
2108	609903.8	4170685	1.22E-02	2.03E-03	1.50E-03
2109	609903.9	4170676	1.23E-02	2.04E-03	1.50E-03
2110	609904.1	4170666	1.23E-02	2.04E-03	1.51E-03
2111	609904.2	4170657	1.23E-02	2.04E-03	1.51E-03
2112	609904.3	4170647	1.23E-02	2.04E-03	1.50E-03
2113	609904.5	4170638	1.22E-02	2.02E-03	1.49E-03
2114	609904.6	4170629	1.21E-02	2.01E-03	1.48E-03
2115	609909.3	4170741	1.10E-02	1.84E-03	1.35E-03
2116	609905.6	4170750	1.11E-02	1.84E-03	1.36E-03
2117	609901.9	4170759	1.11E-02	1.84E-03	1.36E-03
2118	609898.2	4170767	1.11E-02	1.84E-03	1.36E-03
2119	609894.5	4170776	1.10E-02	1.83E-03	1.35E-03
2120	609890.8	4170785	1.10E-02	1.82E-03	1.34E-03
2121	609887	4170793	1.09E-02	1.81E-03	1.34E-03
2122	609883.3	4170802	1.08E-02	1.80E-03	1.33E-03
2123	609879.6	4170811	1.07E-02	1.78E-03	1.31E-03
2124	609875.9	4170819	1.06E-02	1.76E-03	1.30E-03
2125	609872.2	4170828	1.05E-02	1.74E-03	1.29E-03
2126	609868.5	4170837	1.03E-02	1.72E-03	1.27E-03
2127	609864.7	4170845	1.02E-02	1.69E-03	1.25E-03

2128	609861	4170854	1.00E-02	1.67E-03	1.23E-03
2129	609857.3	4170863	9.88E-03	1.64E-03	1.21E-03
2130	609853.6	4170871	9.71E-03	1.61E-03	1.19E-03
2131	609849.9	4170880	9.53E-03	1.58E-03	1.17E-03
2132	609846.2	4170889	9.34E-03	1.55E-03	1.14E-03
2133	609842.4	4170897	9.14E-03	1.52E-03	1.12E-03
2134	609838.7	4170906	8.95E-03	1.49E-03	1.10E-03
2135	609835	4170915	8.74E-03	1.45E-03	1.07E-03
2136	609831.3	4170923	8.53E-03	1.42E-03	1.05E-03
2137	609827.6	4170932	8.32E-03	1.38E-03	1.02E-03
2138	609823.9	4170941	8.11E-03	1.35E-03	9.95E-04
2139	609811.4	4170953	7.96E-03	1.32E-03	9.76E-04
2140	609802.7	4170956	8.01E-03	1.33E-03	9.82E-04
2141	609793.9	4170960	8.05E-03	1.34E-03	9.87E-04
2142	609785.2	4170963	8.09E-03	1.34E-03	9.91E-04
2143	609776.5	4170967	8.11E-03	1.35E-03	9.94E-04
2144	609767.7	4170970	8.11E-03	1.35E-03	9.95E-04
2145	609759	4170974	8.11E-03	1.35E-03	9.95E-04
2146	609750.2	4170978	8.10E-03	1.35E-03	9.93E-04
2147	609741.5	4170981	8.07E-03	1.34E-03	9.89E-04
2148	609732.8	4170985	8.03E-03	1.33E-03	9.84E-04
2149	609724	4170988	7.98E-03	1.32E-03	9.78E-04
2150	609715.3	4170992	7.91E-03	1.31E-03	9.70E-04
2151	609706.5	4170995	7.83E-03	1.30E-03	9.60E-04
2152	609697.8	4170999	7.74E-03	1.29E-03	9.49E-04
2153	609689.1	4171002	7.63E-03	1.27E-03	9.36E-04
2154	609680.3	4171006	7.52E-03	1.25E-03	9.22E-04
2155	609671.6	4171009	7.39E-03	1.23E-03	9.06E-04
2156	609662.9	4171013	7.25E-03	1.20E-03	8.89E-04
2157	609654.1	4171017	7.10E-03	1.18E-03	8.70E-04
2158	609645.4	4171020	6.94E-03	1.15E-03	8.51E-04
2159	609913.1	4170733	1.10E-02	1.83E-03	1.35E-03
2160	609913.2	4170723	1.12E-02	1.85E-03	1.37E-03
2161	609913.3	4170714	1.13E-02	1.88E-03	1.39E-03
2162	609913.5	4170704	1.14E-02	1.90E-03	1.40E-03
2163	609913.6	4170695	1.15E-02	1.91E-03	1.41E-03
2164	609913.8	4170685	1.16E-02	1.93E-03	1.42E-03
2165	609913.9	4170676	1.16E-02	1.93E-03	1.43E-03
2166	609914.1	4170666	1.17E-02	1.94E-03	1.43E-03
2167	609914.2	4170657	1.17E-02	1.94E-03	1.43E-03
2168	609914.3	4170648	1.16E-02	1.94E-03	1.43E-03
2169	609914.5	4170638	1.16E-02	1.93E-03	1.42E-03
2170	609914.6	4170629	1.15E-02	1.91E-03	1.41E-03
2171	609691.1	4170600	4.40E-02	7.31E-03	5.40E-03
2172	609700.6	4170597	3.96E-02	6.58E-03	4.86E-03
2173	609710.2	4170594	3.58E-02	5.95E-03	4.39E-03
2174	609719.7	4170592	3.26E-02	5.42E-03	4.00E-03
2175	609729.3	4170589	2.98E-02	4.94E-03	3.65E-03
2176	609730.9	4170600	3.23E-02	5.36E-03	3.95E-03
2177	609738.9	4170586	2.73E-02	4.53E-03	3.34E-03
2178	609740.5	4170597	2.95E-02	4.89E-03	3.61E-03
2179	609748.4	4170583	2.51E-02	4.17E-03	3.08E-03

2180	609750.1	4170594	2.70E-02	4.49E-03	3.32E-03
2181	609758	4170580	2.32E-02	3.86E-03	2.85E-03
2182	609759.6	4170591	2.49E-02	4.14E-03	3.06E-03
2183	609767.5	4170577	2.16E-02	3.58E-03	2.64E-03
2184	609769.2	4170589	2.31E-02	3.83E-03	2.83E-03
2185	609770.9	4170600	2.44E-02	4.05E-03	2.99E-03
2186	609777.1	4170574	2.01E-02	3.34E-03	2.46E-03
2187	609778.8	4170586	2.14E-02	3.56E-03	2.63E-03
2188	609780.4	4170597	2.26E-02	3.76E-03	2.77E-03
2189	609786.7	4170571	1.87E-02	3.11E-03	2.30E-03
2190	609788.3	4170583	1.99E-02	3.31E-03	2.45E-03
2191	609790	4170595	2.10E-02	3.49E-03	2.58E-03
2192	609796.2	4170568	1.75E-02	2.91E-03	2.15E-03
2193	609797.5	4170577	1.84E-02	3.05E-03	2.25E-03
2194	609799.2	4170589	1.94E-02	3.22E-03	2.37E-03
2195	609800.8	4170601	2.02E-02	3.36E-03	2.48E-03
2196	609805.8	4170565	1.65E-02	2.73E-03	2.02E-03
2197	609807.5	4170577	1.74E-02	2.90E-03	2.14E-03
2198	609809.1	4170589	1.83E-02	3.04E-03	2.25E-03
2199	609810.4	4170598	1.89E-02	3.14E-03	2.32E-03
2200	609815.3	4170562	1.55E-02	2.57E-03	1.90E-03
2201	609817	4170574	1.64E-02	2.72E-03	2.01E-03
2202	609818.3	4170583	1.70E-02	2.82E-03	2.08E-03
2203	609820	4170595	1.77E-02	2.94E-03	2.17E-03
2204	609824.9	4170559	1.46E-02	2.42E-03	1.79E-03
2205	609826.2	4170568	1.52E-02	2.52E-03	1.86E-03
2206	609827.9	4170580	1.59E-02	2.65E-03	1.95E-03
2207	609829.1	4170589	1.64E-02	2.73E-03	2.01E-03
2208	609830.8	4170601	1.70E-02	2.82E-03	2.08E-03
2209	609834.4	4170556	1.38E-02	2.28E-03	1.69E-03
2210	609835.7	4170565	1.43E-02	2.38E-03	1.75E-03
2211	609837	4170574	1.48E-02	2.46E-03	1.82E-03
2212	609838.7	4170586	1.55E-02	2.57E-03	1.89E-03
2213	609840	4170595	1.59E-02	2.63E-03	1.94E-03
2214	609844	4170553	1.30E-02	2.16E-03	1.59E-03
2215	609845.7	4170565	1.37E-02	2.27E-03	1.67E-03
2216	609847	4170574	1.41E-02	2.35E-03	1.73E-03
2217	609848.3	4170583	1.46E-02	2.42E-03	1.78E-03
2218	609850	4170595	1.50E-02	2.50E-03	1.84E-03
2219	609853.6	4170550	1.23E-02	2.04E-03	1.50E-03
2220	609854.8	4170559	1.27E-02	2.12E-03	1.56E-03
2221	609856.5	4170571	1.33E-02	2.22E-03	1.64E-03
2222	609857.8	4170580	1.37E-02	2.28E-03	1.68E-03
2223	609859.1	4170589	1.41E-02	2.34E-03	1.73E-03
2224	609860.4	4170598	1.44E-02	2.39E-03	1.76E-03
2225	609863.1	4170548	1.16E-02	1.93E-03	1.42E-03
2226	609864.4	4170556	1.21E-02	2.00E-03	1.48E-03
2227	609865.7	4170565	1.25E-02	2.07E-03	1.53E-03
2228	609867.4	4170577	1.30E-02	2.16E-03	1.59E-03
2229	609868.7	4170586	1.33E-02	2.21E-03	1.63E-03
2230	609869.9	4170595	1.36E-02	2.26E-03	1.66E-03
2231	609872.7	4170545	1.10E-02	1.83E-03	1.35E-03

2232	609874	4170554	1.14E-02	1.90E-03	1.40E-03
2233	609875.2	4170563	1.18E-02	1.96E-03	1.45E-03
2234	609876.5	4170571	1.22E-02	2.02E-03	1.49E-03
2235	609877.8	4170580	1.25E-02	2.08E-03	1.53E-03
2236	609879.1	4170589	1.28E-02	2.12E-03	1.57E-03
2237	609880.8	4170601	1.31E-02	2.17E-03	1.60E-03
2238	609882.2	4170542	1.05E-02	1.74E-03	1.29E-03
2239	609883.9	4170554	1.10E-02	1.83E-03	1.35E-03
2240	609885.2	4170563	1.13E-02	1.88E-03	1.39E-03
2241	609886.5	4170572	1.17E-02	1.94E-03	1.43E-03
2242	609887.8	4170581	1.19E-02	1.98E-03	1.46E-03
2243	609889.1	4170589	1.22E-02	2.02E-03	1.49E-03
2244	609890.4	4170598	1.24E-02	2.06E-03	1.52E-03
2245	609891.8	4170539	1.00E-02	1.66E-03	1.23E-03
2246	609893.4	4170550	1.04E-02	1.73E-03	1.28E-03
2247	609895.1	4170562	1.08E-02	1.80E-03	1.33E-03
2248	609896.8	4170573	1.12E-02	1.86E-03	1.37E-03
2249	609898.4	4170585	1.15E-02	1.91E-03	1.41E-03
2250	609900.1	4170597	1.18E-02	1.95E-03	1.44E-03
2251	609901.3	4170536	9.54E-03	1.58E-03	1.17E-03
2252	609903	4170547	9.95E-03	1.65E-03	1.22E-03
2253	609904.7	4170559	1.03E-02	1.71E-03	1.26E-03
2254	609906.3	4170571	1.07E-02	1.77E-03	1.31E-03
2255	609908	4170582	1.09E-02	1.82E-03	1.34E-03
2256	609909.6	4170594	1.12E-02	1.85E-03	1.37E-03
2257	609647.8	4170598	6.15E-02	1.02E-02	7.54E-03
2258	609656.5	4170593	5.28E-02	8.77E-03	6.48E-03
2259	609665.2	4170588	4.59E-02	7.63E-03	5.63E-03
2260	609673.9	4170583	4.04E-02	6.71E-03	4.95E-03
2261	609678.1	4170593	4.47E-02	7.42E-03	5.48E-03
2262	609682.7	4170578	3.58E-02	5.95E-03	4.39E-03
2263	609686.9	4170588	3.95E-02	6.56E-03	4.85E-03
2264	609691.3	4170573	3.20E-02	5.31E-03	3.92E-03
2265	609695.3	4170582	3.50E-02	5.81E-03	4.29E-03
2266	609700	4170568	2.87E-02	4.78E-03	3.52E-03
2267	609704.1	4170578	3.14E-02	5.22E-03	3.85E-03
2268	609708.7	4170563	2.59E-02	4.30E-03	3.18E-03
2269	609712.9	4170573	2.83E-02	4.70E-03	3.47E-03
2270	609717.1	4170583	3.05E-02	5.07E-03	3.75E-03
2271	609717.4	4170558	2.35E-02	3.90E-03	2.88E-03
2272	609721.6	4170568	2.56E-02	4.26E-03	3.14E-03
2273	609725.9	4170578	2.76E-02	4.59E-03	3.39E-03
2274	609726	4170553	2.14E-02	3.56E-03	2.63E-03
2275	609730.1	4170563	2.32E-02	3.86E-03	2.85E-03
2276	609734.2	4170572	2.49E-02	4.14E-03	3.06E-03
2277	609734.7	4170548	1.97E-02	3.27E-03	2.41E-03
2278	609738.9	4170558	2.13E-02	3.53E-03	2.61E-03
2279	609743	4170567	2.28E-02	3.79E-03	2.79E-03
2280	609743.4	4170543	1.81E-02	3.01E-03	2.22E-03
2281	609747.6	4170553	1.96E-02	3.25E-03	2.40E-03
2282	609751.8	4170563	2.09E-02	3.48E-03	2.57E-03
2283	609752.1	4170539	1.68E-02	2.78E-03	2.05E-03

2284	609756.4	4170548	1.81E-02	3.00E-03	2.22E-03
2285	609760.6	4170558	1.93E-02	3.21E-03	2.37E-03
2286	609764.8	4170568	2.05E-02	3.40E-03	2.51E-03
2287	609760.8	4170534	1.55E-02	2.58E-03	1.90E-03
2288	609765.1	4170543	1.67E-02	2.78E-03	2.05E-03
2289	609769.4	4170553	1.79E-02	2.97E-03	2.19E-03
2290	609773.7	4170563	1.89E-02	3.15E-03	2.32E-03
2291	609769.5	4170529	1.44E-02	2.40E-03	1.77E-03
2292	609773.6	4170538	1.55E-02	2.57E-03	1.90E-03
2293	609777.8	4170548	1.65E-02	2.74E-03	2.02E-03
2294	609781.9	4170557	1.74E-02	2.90E-03	2.14E-03
2295	609778.2	4170524	1.35E-02	2.24E-03	1.65E-03
2296	609782.4	4170533	1.44E-02	2.40E-03	1.77E-03
2297	609786.5	4170543	1.54E-02	2.55E-03	1.88E-03
2298	609790.7	4170553	1.62E-02	2.70E-03	1.99E-03
2299	609786.9	4170519	1.26E-02	2.09E-03	1.54E-03
2300	609791.1	4170528	1.35E-02	2.24E-03	1.65E-03
2301	609795.3	4170538	1.43E-02	2.38E-03	1.76E-03
2302	609799.5	4170548	1.51E-02	2.51E-03	1.86E-03
2303	609795.6	4170514	1.18E-02	1.96E-03	1.44E-03
2304	609799.8	4170524	1.26E-02	2.09E-03	1.55E-03
2305	609804.1	4170533	1.34E-02	2.23E-03	1.64E-03
2306	609808.3	4170543	1.41E-02	2.35E-03	1.73E-03
2307	609812.6	4170553	1.48E-02	2.46E-03	1.82E-03
2308	609804.2	4170509	1.11E-02	1.84E-03	1.36E-03
2309	609808.4	4170518	1.18E-02	1.96E-03	1.45E-03
2310	609812.5	4170528	1.25E-02	2.08E-03	1.53E-03
2311	609816.7	4170537	1.32E-02	2.19E-03	1.62E-03
2312	609820.8	4170547	1.38E-02	2.29E-03	1.69E-03
2313	609812.9	4170504	1.04E-02	1.72E-03	1.27E-03
2314	609817.1	4170513	1.11E-02	1.84E-03	1.36E-03
2315	609821.3	4170523	1.17E-02	1.95E-03	1.44E-03
2316	609825.5	4170533	1.24E-02	2.06E-03	1.52E-03
2317	609829.6	4170542	1.30E-02	2.15E-03	1.59E-03
2318	609821.6	4170499	9.76E-03	1.62E-03	1.20E-03
2319	609825.8	4170509	1.04E-02	1.73E-03	1.28E-03
2320	609830	4170518	1.10E-02	1.83E-03	1.35E-03
2321	609834.3	4170528	1.16E-02	1.93E-03	1.43E-03
2322	609838.5	4170538	1.22E-02	2.02E-03	1.49E-03
2323	609830.3	4170494	9.19E-03	1.53E-03	1.13E-03
2324	609834.6	4170504	9.80E-03	1.63E-03	1.20E-03
2325	609838.8	4170514	1.04E-02	1.73E-03	1.27E-03
2326	609843	4170523	1.09E-02	1.82E-03	1.34E-03
2327	609847.3	4170533	1.14E-02	1.90E-03	1.40E-03
2328	609839	4170489	8.69E-03	1.44E-03	1.07E-03
2329	609843.3	4170499	9.25E-03	1.54E-03	1.13E-03
2330	609847.5	4170509	9.80E-03	1.63E-03	1.20E-03
2331	609851.8	4170519	1.03E-02	1.71E-03	1.26E-03
2332	609856.1	4170528	1.08E-02	1.79E-03	1.32E-03
2333	609860.4	4170538	1.12E-02	1.86E-03	1.37E-03
2334	609847.7	4170484	8.23E-03	1.37E-03	1.01E-03
2335	609851.8	4170494	8.73E-03	1.45E-03	1.07E-03

2336	609856	4170503	9.23E-03	1.53E-03	1.13E-03
2337	609860.2	4170513	9.70E-03	1.61E-03	1.19E-03
2338	609864.4	4170523	1.01E-02	1.68E-03	1.24E-03
2339	609868.6	4170532	1.05E-02	1.75E-03	1.29E-03
2340	609856.4	4170479	7.81E-03	1.30E-03	9.57E-04
2341	609860.6	4170489	8.28E-03	1.38E-03	1.02E-03
2342	609864.8	4170498	8.74E-03	1.45E-03	1.07E-03
2343	609869	4170508	9.18E-03	1.53E-03	1.13E-03
2344	609873.2	4170518	9.60E-03	1.59E-03	1.18E-03
2345	609877.4	4170528	9.98E-03	1.66E-03	1.22E-03
2346	609865	4170474	7.42E-03	1.23E-03	9.10E-04
2347	609869.3	4170484	7.86E-03	1.31E-03	9.64E-04
2348	609873.5	4170494	8.29E-03	1.38E-03	1.02E-03
2349	609877.8	4170503	8.71E-03	1.45E-03	1.07E-03
2350	609882	4170513	9.10E-03	1.51E-03	1.12E-03
2351	609886.2	4170523	9.46E-03	1.57E-03	1.16E-03
2352	609873.7	4170469	7.06E-03	1.17E-03	8.65E-04
2353	609878	4170479	7.47E-03	1.24E-03	9.16E-04
2354	609882.3	4170489	7.88E-03	1.31E-03	9.66E-04
2355	609886.5	4170499	8.27E-03	1.37E-03	1.01E-03
2356	609890.8	4170509	8.64E-03	1.44E-03	1.06E-03
2357	609895.1	4170518	8.98E-03	1.49E-03	1.10E-03
2358	609622.8	4170597	7.46E-02	1.24E-02	9.14E-03
2359	609634.2	4170595	6.54E-02	1.09E-02	8.02E-03
2360	609641.5	4170588	5.42E-02	9.00E-03	6.64E-03
2361	609649.2	4170582	4.61E-02	7.66E-03	5.65E-03
2362	609656.4	4170575	3.94E-02	6.55E-03	4.83E-03
2363	609663.8	4170568	3.41E-02	5.67E-03	4.19E-03
2364	609671.4	4170562	3.00E-02	4.98E-03	3.68E-03
2365	609677.2	4170570	3.28E-02	5.45E-03	4.03E-03
2366	609678.7	4170555	2.64E-02	4.39E-03	3.24E-03
2367	609684.2	4170562	2.88E-02	4.78E-03	3.53E-03
2368	609686	4170548	2.35E-02	3.90E-03	2.88E-03
2369	609693.1	4170558	2.60E-02	4.33E-03	3.19E-03
2370	609693.6	4170541	2.10E-02	3.49E-03	2.58E-03
2371	609699.4	4170549	2.28E-02	3.79E-03	2.79E-03
2372	609700.9	4170535	1.88E-02	3.12E-03	2.30E-03
2373	609706.5	4170542	2.03E-02	3.37E-03	2.49E-03
2374	609712.1	4170550	2.18E-02	3.62E-03	2.67E-03
2375	609708.2	4170528	1.69E-02	2.81E-03	2.07E-03
2376	609713.6	4170535	1.82E-02	3.02E-03	2.23E-03
2377	609719.1	4170543	1.96E-02	3.25E-03	2.40E-03
2378	609715.7	4170521	1.53E-02	2.55E-03	1.88E-03
2379	609721.5	4170529	1.66E-02	2.76E-03	2.04E-03
2380	609727.4	4170537	1.79E-02	2.98E-03	2.20E-03
2381	609723.1	4170514	1.40E-02	2.32E-03	1.71E-03
2382	609728.7	4170522	1.51E-02	2.51E-03	1.85E-03
2383	609734.3	4170530	1.62E-02	2.69E-03	1.99E-03
2384	609730.4	4170508	1.28E-02	2.12E-03	1.57E-03
2385	609735.9	4170515	1.38E-02	2.29E-03	1.69E-03
2386	609741.4	4170523	1.47E-02	2.45E-03	1.81E-03
2387	609746.9	4170530	1.57E-02	2.61E-03	1.93E-03

2388	609737.9	4170501	1.18E-02	1.95E-03	1.44E-03
2389	609743.7	4170509	1.27E-02	2.11E-03	1.56E-03
2390	609749.5	4170517	1.36E-02	2.26E-03	1.67E-03
2391	609755.3	4170525	1.46E-02	2.42E-03	1.78E-03
2392	609745.3	4170494	1.08E-02	1.80E-03	1.33E-03
2393	609750.9	4170502	1.16E-02	1.93E-03	1.43E-03
2394	609756.6	4170510	1.25E-02	2.07E-03	1.53E-03
2395	609762.2	4170518	1.33E-02	2.21E-03	1.63E-03
2396	609752.6	4170487	1.00E-02	1.66E-03	1.23E-03
2397	609758.2	4170495	1.07E-02	1.78E-03	1.32E-03
2398	609763.7	4170503	1.15E-02	1.90E-03	1.41E-03
2399	609769.2	4170510	1.22E-02	2.03E-03	1.50E-03
2400	609760.1	4170481	9.28E-03	1.54E-03	1.14E-03
2401	609765.9	4170489	9.97E-03	1.66E-03	1.22E-03
2402	609771.7	4170497	1.07E-02	1.77E-03	1.31E-03
2403	609777.5	4170505	1.14E-02	1.89E-03	1.40E-03
2404	609767.5	4170474	8.61E-03	1.43E-03	1.06E-03
2405	609773.1	4170482	9.23E-03	1.53E-03	1.13E-03
2406	609778.8	4170490	9.86E-03	1.64E-03	1.21E-03
2407	609784.5	4170498	1.05E-02	1.74E-03	1.29E-03
2408	609790.2	4170505	1.11E-02	1.85E-03	1.36E-03
2409	609774.8	4170467	8.01E-03	1.33E-03	9.82E-04
2410	609780.4	4170475	8.56E-03	1.42E-03	1.05E-03
2411	609786	4170483	9.12E-03	1.51E-03	1.12E-03
2412	609791.5	4170490	9.70E-03	1.61E-03	1.19E-03
2413	609797.1	4170498	1.03E-02	1.71E-03	1.26E-03
2414	609782.3	4170461	7.46E-03	1.24E-03	9.15E-04
2415	609788.1	4170469	7.98E-03	1.33E-03	9.78E-04
2416	609793.9	4170477	8.53E-03	1.42E-03	1.05E-03
2417	609799.7	4170485	9.08E-03	1.51E-03	1.11E-03
2418	609805.5	4170493	9.64E-03	1.60E-03	1.18E-03
2419	609789.7	4170454	6.96E-03	1.16E-03	8.53E-04
2420	609795.3	4170462	7.42E-03	1.23E-03	9.10E-04
2421	609801	4170470	7.90E-03	1.31E-03	9.69E-04
2422	609806.7	4170477	8.41E-03	1.40E-03	1.03E-03
2423	609812.4	4170485	8.91E-03	1.48E-03	1.09E-03
2424	609797	4170447	6.50E-03	1.08E-03	7.97E-04
2425	609802.6	4170455	6.92E-03	1.15E-03	8.48E-04
2426	609808.2	4170463	7.36E-03	1.22E-03	9.03E-04
2427	609813.8	4170470	7.82E-03	1.30E-03	9.59E-04
2428	609819.4	4170478	8.27E-03	1.37E-03	1.01E-03
2429	609825	4170486	8.72E-03	1.45E-03	1.07E-03
2430	609804.5	4170440	6.10E-03	1.01E-03	7.48E-04
2431	609810.3	4170448	6.51E-03	1.08E-03	7.98E-04
2432	609816.1	4170456	6.94E-03	1.15E-03	8.51E-04
2433	609821.9	4170464	7.37E-03	1.22E-03	9.04E-04
2434	609827.7	4170472	7.81E-03	1.30E-03	9.57E-04
2435	609833.5	4170480	8.23E-03	1.37E-03	1.01E-03
2436	609811.8	4170434	5.73E-03	9.53E-04	7.03E-04
2437	609817.6	4170442	6.11E-03	1.02E-03	7.49E-04
2438	609823.3	4170449	6.50E-03	1.08E-03	7.97E-04
2439	609829	4170457	6.89E-03	1.14E-03	8.45E-04

2440	609834.7	4170465	7.29E-03	1.21E-03	8.94E-04
2441	609840.4	4170473	7.68E-03	1.28E-03	9.42E-04
2442	609819.2	4170427	5.40E-03	8.98E-04	6.63E-04
2443	609824.8	4170435	5.75E-03	9.55E-04	7.05E-04
2444	609830.4	4170442	6.10E-03	1.01E-03	7.48E-04
2445	609836.1	4170450	6.46E-03	1.07E-03	7.92E-04
2446	609841.7	4170458	6.82E-03	1.13E-03	8.36E-04
2447	609847.3	4170466	7.18E-03	1.19E-03	8.81E-04
2448	609826.7	4170420	5.11E-03	8.48E-04	6.26E-04
2449	609832.5	4170428	5.44E-03	9.03E-04	6.66E-04
2450	609838.3	4170436	5.77E-03	9.59E-04	7.08E-04
2451	609844.1	4170444	6.12E-03	1.02E-03	7.51E-04
2452	609849.9	4170452	6.47E-03	1.07E-03	7.93E-04
2453	609855.7	4170460	6.82E-03	1.13E-03	8.36E-04
2454	609834	4170414	4.83E-03	8.02E-04	5.92E-04
2455	609839.7	4170421	5.13E-03	8.52E-04	6.29E-04
2456	609845.5	4170429	5.44E-03	9.03E-04	6.67E-04
2457	609851.2	4170437	5.76E-03	9.56E-04	7.06E-04
2458	609856.9	4170445	6.08E-03	1.01E-03	7.45E-04
2459	609862.6	4170453	6.40E-03	1.06E-03	7.85E-04
2460	609868.3	4170461	6.72E-03	1.12E-03	8.23E-04
2461	609606.1	4170598	8.78E-02	1.46E-02	1.08E-02
2462	609608.2	4170589	6.69E-02	1.11E-02	8.20E-03
2463	609609.9	4170579	5.25E-02	8.71E-03	6.43E-03
2464	609618	4170583	5.61E-02	9.31E-03	6.87E-03
2465	609626.2	4170588	5.94E-02	9.87E-03	7.28E-03
2466	609611.8	4170569	4.21E-02	7.00E-03	5.17E-03
2467	609620.4	4170574	4.52E-02	7.50E-03	5.54E-03
2468	609629	4170579	4.81E-02	8.00E-03	5.90E-03
2469	609613.6	4170559	3.44E-02	5.71E-03	4.22E-03
2470	609622	4170564	3.68E-02	6.11E-03	4.51E-03
2471	609630.3	4170569	3.92E-02	6.51E-03	4.81E-03
2472	609638.7	4170573	4.15E-02	6.89E-03	5.09E-03
2473	609615.5	4170549	2.85E-02	4.73E-03	3.49E-03
2474	609624.2	4170554	3.05E-02	5.07E-03	3.74E-03
2475	609632.9	4170559	3.26E-02	5.42E-03	4.00E-03
2476	609641.5	4170564	3.47E-02	5.76E-03	4.25E-03
2477	609617.2	4170540	2.38E-02	3.96E-03	2.92E-03
2478	609625.7	4170544	2.55E-02	4.23E-03	3.12E-03
2479	609634.3	4170549	2.72E-02	4.52E-03	3.34E-03
2480	609642.8	4170554	2.90E-02	4.81E-03	3.55E-03
2481	609651.3	4170559	3.06E-02	5.09E-03	3.76E-03
2482	609619	4170530	2.02E-02	3.35E-03	2.47E-03
2483	609627.4	4170534	2.15E-02	3.57E-03	2.64E-03
2484	609635.8	4170539	2.29E-02	3.81E-03	2.81E-03
2485	609644.1	4170544	2.44E-02	4.05E-03	2.99E-03
2486	609652.5	4170548	2.59E-02	4.30E-03	3.17E-03
2487	609660.9	4170553	2.73E-02	4.53E-03	3.34E-03
2488	609620.9	4170520	1.72E-02	2.86E-03	2.11E-03
2489	609629.5	4170525	1.84E-02	3.05E-03	2.25E-03
2490	609638.1	4170530	1.96E-02	3.26E-03	2.40E-03
2491	609646.7	4170534	2.09E-02	3.47E-03	2.56E-03

2492	609655.3	4170539	2.22E-02	3.69E-03	2.72E-03
2493	609663.9	4170544	2.35E-02	3.90E-03	2.88E-03
2494	609622.6	4170510	1.48E-02	2.46E-03	1.82E-03
2495	609631.1	4170515	1.58E-02	2.62E-03	1.93E-03
2496	609639.6	4170520	1.68E-02	2.79E-03	2.06E-03
2497	609648.1	4170524	1.79E-02	2.97E-03	2.19E-03
2498	609656.6	4170529	1.90E-02	3.16E-03	2.33E-03
2499	609665	4170534	2.01E-02	3.34E-03	2.47E-03
2500	609673.5	4170538	2.12E-02	3.52E-03	2.60E-03
2501	609624.5	4170500	1.29E-02	2.14E-03	1.58E-03
2502	609633.1	4170505	1.37E-02	2.27E-03	1.68E-03
2503	609641.8	4170510	1.46E-02	2.42E-03	1.79E-03
2504	609650.4	4170515	1.55E-02	2.58E-03	1.90E-03
2505	609659.1	4170520	1.65E-02	2.74E-03	2.02E-03
2506	609667.8	4170524	1.75E-02	2.91E-03	2.15E-03
2507	609676.4	4170529	1.85E-02	3.07E-03	2.27E-03
2508	609685.1	4170534	1.95E-02	3.23E-03	2.39E-03
2509	609626.3	4170490	1.13E-02	1.87E-03	1.38E-03
2510	609634.8	4170495	1.19E-02	1.98E-03	1.46E-03
2511	609643.4	4170500	1.27E-02	2.10E-03	1.55E-03
2512	609651.9	4170505	1.35E-02	2.23E-03	1.65E-03
2513	609660.5	4170509	1.43E-02	2.37E-03	1.75E-03
2514	609669	4170514	1.52E-02	2.52E-03	1.86E-03
2515	609677.6	4170519	1.61E-02	2.67E-03	1.97E-03
2516	609686.1	4170524	1.69E-02	2.81E-03	2.07E-03
2517	609628.1	4170481	9.91E-03	1.65E-03	1.21E-03
2518	609636.8	4170485	1.05E-02	1.74E-03	1.28E-03
2519	609645.5	4170490	1.11E-02	1.85E-03	1.36E-03
2520	609654.2	4170495	1.18E-02	1.96E-03	1.45E-03
2521	609662.9	4170500	1.25E-02	2.08E-03	1.54E-03
2522	609671.6	4170505	1.33E-02	2.20E-03	1.63E-03
2523	609680.3	4170510	1.40E-02	2.33E-03	1.72E-03
2524	609689	4170514	1.48E-02	2.46E-03	1.82E-03
2525	609697.7	4170519	1.56E-02	2.58E-03	1.91E-03
2526	609629.9	4170471	8.78E-03	1.46E-03	1.08E-03
2527	609638.5	4170476	9.22E-03	1.53E-03	1.13E-03
2528	609647.1	4170480	9.73E-03	1.62E-03	1.19E-03
2529	609655.7	4170485	1.03E-02	1.71E-03	1.26E-03
2530	609664.3	4170490	1.09E-02	1.81E-03	1.34E-03
2531	609672.9	4170495	1.15E-02	1.92E-03	1.41E-03
2532	609681.5	4170499	1.22E-02	2.02E-03	1.49E-03
2533	609690.1	4170504	1.29E-02	2.14E-03	1.58E-03
2534	609698.7	4170509	1.36E-02	2.26E-03	1.67E-03
2535	609707.3	4170514	1.42E-02	2.36E-03	1.75E-03
2536	609631.7	4170461	7.82E-03	1.30E-03	9.58E-04
2537	609640.2	4170466	8.14E-03	1.35E-03	9.99E-04
2538	609648.7	4170470	8.55E-03	1.42E-03	1.05E-03
2539	609657.2	4170475	9.03E-03	1.50E-03	1.11E-03
2540	609665.7	4170480	9.57E-03	1.59E-03	1.17E-03
2541	609674.3	4170485	1.01E-02	1.68E-03	1.24E-03
2542	609682.8	4170489	1.07E-02	1.77E-03	1.31E-03
2543	609691.3	4170494	1.13E-02	1.87E-03	1.38E-03

2544	609699.8	4170499	1.19E-02	1.98E-03	1.46E-03
2545	609708.3	4170504	1.25E-02	2.08E-03	1.54E-03
2546	609642.2	4170456	7.28E-03	1.21E-03	8.93E-04
2547	609650.8	4170461	7.61E-03	1.26E-03	9.32E-04
2548	609659.4	4170466	8.01E-03	1.33E-03	9.82E-04
2549	609668.1	4170470	8.49E-03	1.41E-03	1.04E-03
2550	609676.7	4170475	8.99E-03	1.49E-03	1.10E-03
2551	609685.3	4170480	9.50E-03	1.58E-03	1.17E-03
2552	609694	4170485	1.01E-02	1.67E-03	1.23E-03
2553	609702.6	4170489	1.06E-02	1.77E-03	1.30E-03
2554	609711.3	4170494	1.12E-02	1.86E-03	1.37E-03
2555	609719.9	4170499	1.18E-02	1.95E-03	1.44E-03
2556	609643.9	4170446	6.54E-03	1.09E-03	8.02E-04
2557	609652.4	4170451	6.81E-03	1.13E-03	8.35E-04
2558	609661	4170456	7.16E-03	1.19E-03	8.78E-04
2559	609669.5	4170460	7.56E-03	1.26E-03	9.26E-04
2560	609678.1	4170465	7.98E-03	1.33E-03	9.79E-04
2561	609686.7	4170470	8.44E-03	1.40E-03	1.03E-03
2562	609695.2	4170475	8.92E-03	1.48E-03	1.09E-03
2563	609703.8	4170479	9.42E-03	1.57E-03	1.16E-03
2564	609712.4	4170484	9.93E-03	1.65E-03	1.22E-03
2565	609720.9	4170489	1.04E-02	1.73E-03	1.28E-03
2566	609729.5	4170494	1.09E-02	1.82E-03	1.34E-03
2567	609654.5	4170441	6.15E-03	1.02E-03	7.54E-04
2568	609663.1	4170446	6.46E-03	1.07E-03	7.92E-04
2569	609671.8	4170451	6.81E-03	1.13E-03	8.34E-04
2570	609680.5	4170456	7.18E-03	1.19E-03	8.81E-04
2571	609689.1	4170460	7.59E-03	1.26E-03	9.30E-04
2572	609697.8	4170465	8.02E-03	1.33E-03	9.83E-04
2573	609706.5	4170470	8.47E-03	1.41E-03	1.04E-03
2574	609715.2	4170475	8.93E-03	1.48E-03	1.09E-03
2575	609723.8	4170480	9.40E-03	1.56E-03	1.15E-03
2576	609732.5	4170484	9.86E-03	1.64E-03	1.21E-03
2577	609664.7	4170436	5.84E-03	9.70E-04	7.16E-04
2578	609673.3	4170441	6.13E-03	1.02E-03	7.52E-04
2579	609681.9	4170445	6.45E-03	1.07E-03	7.91E-04
2580	609690.5	4170450	6.80E-03	1.13E-03	8.34E-04
2581	609699.1	4170455	7.18E-03	1.19E-03	8.80E-04
2582	609707.7	4170460	7.57E-03	1.26E-03	9.28E-04
2583	609716.3	4170465	7.98E-03	1.33E-03	9.78E-04
2584	609724.9	4170469	8.40E-03	1.39E-03	1.03E-03
2585	609733.5	4170474	8.82E-03	1.46E-03	1.08E-03
2586	609742.1	4170479	9.23E-03	1.53E-03	1.13E-03
2587	609640.8	4170412	4.76E-03	7.90E-04	5.83E-04
2588	609675.5	4170431	5.57E-03	9.26E-04	6.83E-04
2589	609684.2	4170436	5.86E-03	9.73E-04	7.18E-04
2590	609692.9	4170441	6.17E-03	1.02E-03	7.56E-04
2591	609701.6	4170446	6.50E-03	1.08E-03	7.97E-04
2592	609710.3	4170450	6.85E-03	1.14E-03	8.40E-04
2593	609719	4170455	7.22E-03	1.20E-03	8.85E-04
2594	609727.7	4170460	7.60E-03	1.26E-03	9.32E-04
2595	609736.4	4170465	7.99E-03	1.33E-03	9.79E-04

2596	609745.1	4170470	8.37E-03	1.39E-03	1.03E-03
2597	609642.5	4170402	4.37E-03	7.26E-04	5.36E-04
2598	609651.2	4170407	4.49E-03	7.47E-04	5.51E-04
2599	609677.1	4170421	5.07E-03	8.42E-04	6.22E-04
2600	609685.7	4170426	5.31E-03	8.83E-04	6.52E-04
2601	609694.3	4170431	5.58E-03	9.27E-04	6.84E-04
2602	609702.9	4170435	5.87E-03	9.75E-04	7.20E-04
2603	609711.6	4170440	6.18E-03	1.03E-03	7.57E-04
2604	609720.2	4170445	6.50E-03	1.08E-03	7.97E-04
2605	609728.8	4170450	6.84E-03	1.14E-03	8.38E-04
2606	609737.5	4170455	7.18E-03	1.19E-03	8.81E-04
2607	609746.1	4170459	7.53E-03	1.25E-03	9.24E-04
2608	609754.7	4170464	7.88E-03	1.31E-03	9.66E-04
2609	609644.3	4170392	4.02E-03	6.69E-04	4.93E-04
2610	609652.9	4170397	4.14E-03	6.87E-04	5.07E-04
2611	609687.2	4170416	4.84E-03	8.05E-04	5.94E-04
2612	609695.8	4170421	5.07E-03	8.43E-04	6.22E-04
2613	609704.3	4170425	5.32E-03	8.84E-04	6.53E-04
2614	609712.9	4170430	5.59E-03	9.29E-04	6.85E-04
2615	609721.5	4170435	5.88E-03	9.76E-04	7.20E-04
2616	609730	4170440	6.17E-03	1.03E-03	7.57E-04
2617	609738.6	4170444	6.48E-03	1.08E-03	7.95E-04
2618	609747.2	4170449	6.80E-03	1.13E-03	8.33E-04
2619	609755.7	4170454	7.11E-03	1.18E-03	8.72E-04
2620	609764.3	4170459	7.43E-03	1.23E-03	9.11E-04
2621	609646.2	4170382	3.73E-03	6.19E-04	4.57E-04
2622	609654.8	4170387	3.83E-03	6.36E-04	4.70E-04
2623	609663.5	4170392	3.96E-03	6.57E-04	4.85E-04
2624	609698.1	4170411	4.65E-03	7.73E-04	5.71E-04
2625	609706.7	4170416	4.88E-03	8.10E-04	5.98E-04
2626	609715.4	4170421	5.12E-03	8.50E-04	6.27E-04
2627	609724	4170426	5.37E-03	8.92E-04	6.59E-04
2628	609732.7	4170430	5.64E-03	9.37E-04	6.92E-04
2629	609741.4	4170435	5.92E-03	9.83E-04	7.26E-04
2630	609750	4170440	6.21E-03	1.03E-03	7.61E-04
2631	609758.7	4170445	6.50E-03	1.08E-03	7.97E-04
2632	609767.3	4170450	6.80E-03	1.13E-03	8.33E-04
2633	609776	4170454	7.08E-03	1.18E-03	8.68E-04
2634	609648	4170372	3.47E-03	5.76E-04	4.25E-04
2635	609656.6	4170377	3.56E-03	5.91E-04	4.36E-04
2636	609665.2	4170382	3.67E-03	6.09E-04	4.50E-04
2637	609673.8	4170387	3.79E-03	6.30E-04	4.65E-04
2638	609699.5	4170401	4.27E-03	7.09E-04	5.23E-04
2639	609708.1	4170406	4.46E-03	7.41E-04	5.47E-04
2640	609716.7	4170411	4.67E-03	7.75E-04	5.72E-04
2641	609725.3	4170415	4.89E-03	8.13E-04	6.00E-04
2642	609733.9	4170420	5.13E-03	8.52E-04	6.29E-04
2643	609742.5	4170425	5.38E-03	8.93E-04	6.59E-04
2644	609751.1	4170430	5.63E-03	9.35E-04	6.90E-04
2645	609759.7	4170435	5.90E-03	9.80E-04	7.23E-04
2646	609768.3	4170439	6.17E-03	1.02E-03	7.56E-04
2647	609776.9	4170444	6.43E-03	1.07E-03	7.88E-04

2648	609649.8	4170363	3.24E-03	5.38E-04	3.97E-04
2649	609658.5	4170367	3.32E-03	5.51E-04	4.07E-04
2650	609667.1	4170372	3.41E-03	5.67E-04	4.18E-04
2651	609675.8	4170377	3.52E-03	5.85E-04	4.32E-04
2652	609684.5	4170382	3.65E-03	6.06E-04	4.47E-04
2653	609710.5	4170396	4.12E-03	6.84E-04	5.05E-04
2654	609719.2	4170401	4.30E-03	7.15E-04	5.27E-04
2655	609727.9	4170406	4.50E-03	7.48E-04	5.52E-04
2656	609736.5	4170411	4.72E-03	7.83E-04	5.78E-04
2657	609745.2	4170416	4.94E-03	8.20E-04	6.05E-04
2658	609753.9	4170420	5.16E-03	8.57E-04	6.32E-04
2659	609762.6	4170425	5.40E-03	8.97E-04	6.62E-04
2660	609771.2	4170430	5.65E-03	9.38E-04	6.93E-04
2661	609779.9	4170435	5.89E-03	9.79E-04	7.23E-04
2662	609788.6	4170440	6.12E-03	1.02E-03	7.51E-04
2663	609651.6	4170353	3.03E-03	5.04E-04	3.72E-04
2664	609660.2	4170358	3.10E-03	5.15E-04	3.80E-04
2665	609668.8	4170362	3.18E-03	5.29E-04	3.90E-04
2666	609677.4	4170367	3.28E-03	5.45E-04	4.02E-04
2667	609686.1	4170372	3.39E-03	5.63E-04	4.15E-04
2668	609720.6	4170391	3.96E-03	6.57E-04	4.85E-04
2669	609729.2	4170396	4.13E-03	6.86E-04	5.06E-04
2670	609737.8	4170401	4.32E-03	7.17E-04	5.29E-04
2671	609746.4	4170405	4.51E-03	7.49E-04	5.53E-04
2672	609755	4170410	4.70E-03	7.81E-04	5.76E-04
2673	609763.7	4170415	4.91E-03	8.15E-04	6.02E-04
2674	609772.3	4170420	5.13E-03	8.52E-04	6.29E-04
2675	609780.9	4170425	5.35E-03	8.89E-04	6.56E-04
2676	609789.5	4170429	5.58E-03	9.26E-04	6.84E-04
2677	609653.4	4170343	2.85E-03	4.73E-04	3.49E-04
2678	609662.1	4170348	2.91E-03	4.84E-04	3.57E-04
2679	609670.8	4170353	2.98E-03	4.95E-04	3.66E-04
2680	609679.5	4170357	3.07E-03	5.09E-04	3.76E-04
2681	609688.2	4170362	3.16E-03	5.25E-04	3.88E-04
2682	609696.9	4170367	3.27E-03	5.43E-04	4.01E-04
2683	609731.6	4170386	3.83E-03	6.36E-04	4.69E-04
2684	609740.3	4170391	3.99E-03	6.64E-04	4.90E-04
2685	609749	4170396	4.16E-03	6.91E-04	5.10E-04
2686	609757.7	4170401	4.33E-03	7.19E-04	5.31E-04
2687	609766.4	4170406	4.51E-03	7.49E-04	5.53E-04
2688	609775.1	4170411	4.71E-03	7.82E-04	5.77E-04
2689	609783.8	4170415	4.92E-03	8.18E-04	6.04E-04
2690	609792.5	4170420	5.13E-03	8.53E-04	6.30E-04
2691	609801.2	4170425	5.34E-03	8.87E-04	6.55E-04
2692	609655.2	4170333	2.68E-03	4.46E-04	3.29E-04
2693	609663.8	4170338	2.74E-03	4.55E-04	3.36E-04
2694	609672.5	4170343	2.80E-03	4.65E-04	3.43E-04
2695	609681.1	4170347	2.87E-03	4.77E-04	3.52E-04
2696	609689.8	4170352	2.96E-03	4.91E-04	3.62E-04
2697	609698.4	4170357	3.05E-03	5.07E-04	3.74E-04
2698	609707.1	4170362	3.15E-03	5.24E-04	3.87E-04
2699	609733	4170376	3.54E-03	5.87E-04	4.34E-04

2700	609741.6	4170381	3.68E-03	6.12E-04	4.52E-04
2701	609750.3	4170386	3.83E-03	6.36E-04	4.69E-04
2702	609758.9	4170391	3.98E-03	6.61E-04	4.88E-04
2703	609767.6	4170396	4.14E-03	6.87E-04	5.07E-04
2704	609776.2	4170400	4.31E-03	7.16E-04	5.28E-04
2705	609784.9	4170405	4.50E-03	7.47E-04	5.52E-04
2706	609793.5	4170410	4.70E-03	7.80E-04	5.76E-04
2707	609802.1	4170415	4.89E-03	8.12E-04	6.00E-04
2708	609810.8	4170420	5.09E-03	8.45E-04	6.24E-04
2709	609657	4170323	2.53E-03	4.21E-04	3.11E-04
2710	609665.7	4170328	2.58E-03	4.29E-04	3.16E-04
2711	609674.4	4170333	2.64E-03	4.38E-04	3.23E-04
2712	609683.1	4170338	2.70E-03	4.49E-04	3.31E-04
2713	609691.9	4170343	2.78E-03	4.61E-04	3.40E-04
2714	609700.6	4170347	2.86E-03	4.75E-04	3.51E-04
2715	609709.3	4170352	2.95E-03	4.91E-04	3.62E-04
2716	609744.1	4170372	3.43E-03	5.69E-04	4.20E-04
2717	609752.8	4170376	3.55E-03	5.90E-04	4.36E-04
2718	609761.5	4170381	3.69E-03	6.13E-04	4.52E-04
2719	609770.2	4170386	3.83E-03	6.37E-04	4.70E-04
2720	609779	4170391	4.00E-03	6.64E-04	4.90E-04
2721	609787.7	4170396	4.17E-03	6.92E-04	5.11E-04
2722	609796.4	4170401	4.35E-03	7.22E-04	5.33E-04
2723	609805.1	4170406	4.53E-03	7.53E-04	5.56E-04
2724	609813.8	4170410	4.72E-03	7.84E-04	5.78E-04
2725	609658.8	4170313	2.40E-03	3.98E-04	2.94E-04
2726	609667.5	4170318	2.44E-03	4.05E-04	2.99E-04
2727	609676.1	4170323	2.49E-03	4.13E-04	3.05E-04
2728	609684.8	4170328	2.54E-03	4.23E-04	3.12E-04
2729	609693.5	4170333	2.61E-03	4.33E-04	3.20E-04
2730	609702.1	4170337	2.68E-03	4.46E-04	3.29E-04
2731	609710.8	4170342	2.77E-03	4.59E-04	3.39E-04
2732	609719.5	4170347	2.86E-03	4.75E-04	3.50E-04
2733	609754.1	4170366	3.29E-03	5.47E-04	4.04E-04
2734	609762.8	4170371	3.41E-03	5.67E-04	4.18E-04
2735	609771.4	4170376	3.54E-03	5.88E-04	4.34E-04
2736	609780.1	4170381	3.69E-03	6.12E-04	4.52E-04
2737	609788.8	4170386	3.84E-03	6.38E-04	4.71E-04
2738	609797.4	4170390	4.00E-03	6.65E-04	4.91E-04
2739	609806.1	4170395	4.17E-03	6.92E-04	5.11E-04
2740	609814.7	4170400	4.34E-03	7.21E-04	5.32E-04
2741	609823.4	4170405	4.51E-03	7.49E-04	5.53E-04
2742	609596.4	4170597	8.90E-02	1.48E-02	1.09E-02
2743	609598.2	4170587	6.69E-02	1.11E-02	8.20E-03
2744	609599.6	4170577	5.22E-02	8.68E-03	6.40E-03
2745	609599.7	4170567	4.19E-02	6.95E-03	5.13E-03
2746	609599.7	4170557	3.41E-02	5.67E-03	4.18E-03
2747	609599.8	4170547	2.82E-02	4.68E-03	3.45E-03
2748	609599.8	4170537	2.35E-02	3.91E-03	2.89E-03
2749	609599.8	4170527	1.99E-02	3.30E-03	2.44E-03
2750	609609.6	4170528	1.98E-02	3.29E-03	2.43E-03
2751	609599.8	4170517	1.69E-02	2.81E-03	2.08E-03

2752	609609.7	4170518	1.69E-02	2.81E-03	2.07E-03
2753	609599.9	4170507	1.46E-02	2.42E-03	1.79E-03
2754	609609.8	4170508	1.45E-02	2.42E-03	1.78E-03
2755	609599.9	4170497	1.26E-02	2.10E-03	1.55E-03
2756	609609.9	4170498	1.26E-02	2.10E-03	1.55E-03
2757	609599.9	4170487	1.11E-02	1.84E-03	1.36E-03
2758	609609.9	4170488	1.10E-02	1.83E-03	1.35E-03
2759	609610	4170478	9.73E-03	1.62E-03	1.19E-03
2760	609620.2	4170469	8.63E-03	1.43E-03	1.06E-03
2761	609620.6	4170419	5.20E-03	8.65E-04	6.38E-04
2762	609599.9	4170407	4.89E-03	8.12E-04	6.00E-04
2763	609610.3	4170408	4.83E-03	8.02E-04	5.92E-04
2764	609620.6	4170409	4.78E-03	7.94E-04	5.86E-04
2765	609631	4170410	4.75E-03	7.89E-04	5.83E-04
2766	609599.9	4170397	4.52E-03	7.52E-04	5.55E-04
2767	609610.3	4170398	4.46E-03	7.41E-04	5.47E-04
2768	609620.7	4170399	4.41E-03	7.33E-04	5.41E-04
2769	609631	4170400	4.37E-03	7.25E-04	5.35E-04
2770	609599.9	4170387	4.20E-03	6.98E-04	5.15E-04
2771	609610.3	4170388	4.13E-03	6.86E-04	5.07E-04
2772	609620.7	4170389	4.07E-03	6.76E-04	4.99E-04
2773	609631.1	4170390	4.02E-03	6.69E-04	4.93E-04
2774	609599.9	4170377	3.92E-03	6.51E-04	4.81E-04
2775	609610.3	4170378	3.84E-03	6.38E-04	4.71E-04
2776	609620.7	4170379	3.77E-03	6.26E-04	4.62E-04
2777	609631.1	4170380	3.73E-03	6.19E-04	4.57E-04
2778	609599.9	4170367	3.67E-03	6.09E-04	4.50E-04
2779	609610.4	4170368	3.59E-03	5.96E-04	4.40E-04
2780	609620.8	4170369	3.52E-03	5.85E-04	4.32E-04
2781	609631.2	4170370	3.48E-03	5.77E-04	4.26E-04
2782	609599.9	4170357	3.44E-03	5.72E-04	4.22E-04
2783	609610.4	4170358	3.37E-03	5.59E-04	4.13E-04
2784	609620.8	4170359	3.30E-03	5.48E-04	4.05E-04
2785	609631.2	4170360	3.26E-03	5.41E-04	3.99E-04
2786	609599.9	4170347	3.24E-03	5.38E-04	3.97E-04
2787	609610.4	4170348	3.17E-03	5.26E-04	3.89E-04
2788	609620.8	4170349	3.10E-03	5.16E-04	3.81E-04
2789	609631.3	4170350	3.06E-03	5.08E-04	3.75E-04
2790	609641.7	4170351	3.03E-03	5.03E-04	3.72E-04
2791	609599.9	4170337	3.06E-03	5.08E-04	3.75E-04
2792	609610.4	4170338	2.99E-03	4.97E-04	3.67E-04
2793	609620.9	4170339	2.93E-03	4.86E-04	3.59E-04
2794	609631.3	4170340	2.89E-03	4.79E-04	3.54E-04
2795	609641.8	4170341	2.85E-03	4.74E-04	3.50E-04
2796	609599.9	4170327	2.89E-03	4.81E-04	3.55E-04
2797	609610.4	4170328	2.83E-03	4.70E-04	3.47E-04
2798	609620.9	4170329	2.77E-03	4.60E-04	3.39E-04
2799	609631.4	4170330	2.73E-03	4.53E-04	3.34E-04
2800	609641.9	4170331	2.69E-03	4.48E-04	3.30E-04
2801	609599.9	4170317	2.74E-03	4.56E-04	3.36E-04
2802	609610.4	4170318	2.68E-03	4.45E-04	3.29E-04
2803	609620.9	4170319	2.62E-03	4.36E-04	3.22E-04

2804	609631.4	4170320	2.58E-03	4.29E-04	3.17E-04
2805	609641.9	4170321	2.55E-03	4.24E-04	3.13E-04
2806	609599.9	4170307	2.61E-03	4.33E-04	3.19E-04
2807	609610.4	4170308	2.55E-03	4.23E-04	3.12E-04
2808	609620.9	4170309	2.49E-03	4.14E-04	3.06E-04
2809	609631.4	4170310	2.45E-03	4.07E-04	3.01E-04
2810	609641.9	4170311	2.42E-03	4.02E-04	2.97E-04
2811	609586.9	4170597	9.53E-02	1.58E-02	1.17E-02
2812	609577.3	4170597	1.02E-01	1.70E-02	1.25E-02
2813	609567.7	4170596	1.09E-01	1.81E-02	1.34E-02
2814	609558	4170596	1.15E-01	1.91E-02	1.41E-02
2815	609548.4	4170596	1.20E-01	1.99E-02	1.47E-02
2816	609538.8	4170596	1.24E-01	2.06E-02	1.52E-02
2817	609529.2	4170596	1.27E-01	2.11E-02	1.55E-02
2818	609519.5	4170596	1.29E-01	2.14E-02	1.58E-02
2819	609509.9	4170596	1.30E-01	2.15E-02	1.59E-02
2820	609500.3	4170596	1.30E-01	2.16E-02	1.59E-02
2821	609490.6	4170596	1.29E-01	2.14E-02	1.58E-02
2822	609481	4170596	1.27E-01	2.11E-02	1.56E-02
2823	609471.4	4170596	1.24E-01	2.06E-02	1.52E-02
2824	609587	4170587	7.12E-02	1.18E-02	8.74E-03
2825	609577.4	4170587	7.55E-02	1.25E-02	9.26E-03
2826	609567.8	4170586	7.99E-02	1.33E-02	9.80E-03
2827	609558.1	4170586	8.41E-02	1.40E-02	1.03E-02
2828	609548.5	4170586	8.78E-02	1.46E-02	1.08E-02
2829	609538.9	4170586	9.09E-02	1.51E-02	1.11E-02
2830	609529.2	4170586	9.33E-02	1.55E-02	1.14E-02
2831	609519.6	4170586	9.49E-02	1.58E-02	1.16E-02
2832	609510	4170586	9.59E-02	1.59E-02	1.18E-02
2833	609500.3	4170586	9.61E-02	1.60E-02	1.18E-02
2834	609490.7	4170586	9.57E-02	1.59E-02	1.17E-02
2835	609481.1	4170586	9.46E-02	1.57E-02	1.16E-02
2836	609471.4	4170586	9.29E-02	1.54E-02	1.14E-02
2837	609587.1	4170577	5.52E-02	9.16E-03	6.76E-03
2838	609577.5	4170577	5.79E-02	9.62E-03	7.10E-03
2839	609567.8	4170576	6.09E-02	1.01E-02	7.46E-03
2840	609558.2	4170576	6.38E-02	1.06E-02	7.82E-03
2841	609548.6	4170576	6.65E-02	1.10E-02	8.15E-03
2842	609538.9	4170576	6.88E-02	1.14E-02	8.44E-03
2843	609529.3	4170576	7.08E-02	1.18E-02	8.68E-03
2844	609519.7	4170576	7.22E-02	1.20E-02	8.86E-03
2845	609510	4170576	7.32E-02	1.22E-02	8.97E-03
2846	609500.4	4170576	7.36E-02	1.22E-02	9.03E-03
2847	609490.8	4170576	7.36E-02	1.22E-02	9.03E-03
2848	609481.2	4170576	7.32E-02	1.22E-02	8.97E-03
2849	609423.4	4170575	6.48E-02	1.08E-02	7.94E-03
2850	609587.2	4170567	4.38E-02	7.27E-03	5.37E-03
2851	609577.5	4170567	4.56E-02	7.57E-03	5.59E-03
2852	609567.9	4170566	4.76E-02	7.91E-03	5.83E-03
2853	609558.3	4170566	4.96E-02	8.25E-03	6.09E-03
2854	609548.6	4170566	5.17E-02	8.58E-03	6.33E-03
2855	609539	4170566	5.35E-02	8.88E-03	6.56E-03

2856	609529.4	4170566	5.50E-02	9.14E-03	6.75E-03
2857	609519.8	4170566	5.63E-02	9.36E-03	6.91E-03
2858	609510.1	4170566	5.73E-02	9.51E-03	7.02E-03
2859	609500.5	4170566	5.79E-02	9.62E-03	7.10E-03
2860	609490.9	4170566	5.82E-02	9.67E-03	7.13E-03
2861	609587.2	4170557	3.54E-02	5.88E-03	4.34E-03
2862	609577.6	4170557	3.66E-02	6.09E-03	4.49E-03
2863	609568	4170556	3.80E-02	6.32E-03	4.66E-03
2864	609558.4	4170556	3.95E-02	6.56E-03	4.84E-03
2865	609548.7	4170556	4.10E-02	6.81E-03	5.03E-03
2866	609539.1	4170556	4.24E-02	7.05E-03	5.20E-03
2867	609529.5	4170556	4.37E-02	7.26E-03	5.36E-03
2868	609519.8	4170556	4.49E-02	7.45E-03	5.50E-03
2869	609510.2	4170556	4.58E-02	7.61E-03	5.61E-03
2870	609462.1	4170556	4.75E-02	7.89E-03	5.83E-03
2871	609452.4	4170556	4.74E-02	7.88E-03	5.82E-03
2872	609442.8	4170555	4.73E-02	7.85E-03	5.79E-03
2873	609433.2	4170555	4.70E-02	7.80E-03	5.76E-03
2874	609587.3	4170547	2.91E-02	4.83E-03	3.56E-03
2875	609577.7	4170547	2.99E-02	4.97E-03	3.67E-03
2876	609568.1	4170546	3.09E-02	5.14E-03	3.79E-03
2877	609558.4	4170546	3.20E-02	5.32E-03	3.92E-03
2878	609548.8	4170546	3.32E-02	5.51E-03	4.06E-03
2879	609539.2	4170546	3.43E-02	5.70E-03	4.20E-03
2880	609529.5	4170546	3.54E-02	5.88E-03	4.34E-03
2881	609519.9	4170546	3.64E-02	6.04E-03	4.46E-03
2882	609471.8	4170546	3.96E-02	6.58E-03	4.86E-03
2883	609462.1	4170546	3.99E-02	6.63E-03	4.90E-03
2884	609452.5	4170546	4.01E-02	6.67E-03	4.92E-03
2885	609442.9	4170545	4.03E-02	6.69E-03	4.94E-03
2886	609433.2	4170545	4.03E-02	6.69E-03	4.94E-03
2887	609423.6	4170545	4.01E-02	6.66E-03	4.92E-03
2888	609587.4	4170537	2.42E-02	4.02E-03	2.96E-03
2889	609577.8	4170537	2.48E-02	4.12E-03	3.04E-03
2890	609568.1	4170536	2.55E-02	4.24E-03	3.13E-03
2891	609558.5	4170536	2.64E-02	4.38E-03	3.23E-03
2892	609548.9	4170536	2.73E-02	4.53E-03	3.34E-03
2893	609539.3	4170536	2.82E-02	4.68E-03	3.46E-03
2894	609529.6	4170536	2.91E-02	4.83E-03	3.57E-03
2895	609481.5	4170536	3.29E-02	5.47E-03	4.04E-03
2896	609471.8	4170536	3.35E-02	5.56E-03	4.11E-03
2897	609462.2	4170536	3.40E-02	5.64E-03	4.17E-03
2898	609452.6	4170536	3.44E-02	5.71E-03	4.22E-03
2899	609442.9	4170535	3.47E-02	5.76E-03	4.25E-03
2900	609433.3	4170535	3.49E-02	5.79E-03	4.28E-03
2901	609423.7	4170535	3.49E-02	5.80E-03	4.28E-03
2902	609587.5	4170527	2.03E-02	3.38E-03	2.49E-03
2903	609577.8	4170527	2.08E-02	3.46E-03	2.55E-03
2904	609568.2	4170526	2.14E-02	3.55E-03	2.62E-03
2905	609558.6	4170526	2.20E-02	3.66E-03	2.70E-03
2906	609549	4170526	2.28E-02	3.78E-03	2.79E-03
2907	609500.8	4170526	2.66E-02	4.43E-03	3.27E-03

2908	609491.2	4170526	2.74E-02	4.54E-03	3.35E-03
2909	609481.5	4170526	2.80E-02	4.66E-03	3.44E-03
2910	609471.9	4170526	2.87E-02	4.76E-03	3.51E-03
2911	609462.3	4170526	2.92E-02	4.86E-03	3.58E-03
2912	609452.7	4170526	2.97E-02	4.94E-03	3.64E-03
2913	609443	4170525	3.01E-02	5.01E-03	3.70E-03
2914	609433.4	4170525	3.05E-02	5.06E-03	3.73E-03
2915	609423.8	4170525	3.06E-02	5.09E-03	3.76E-03
2916	609587.6	4170517	1.73E-02	2.87E-03	2.12E-03
2917	609577.9	4170517	1.77E-02	2.94E-03	2.17E-03
2918	609568.3	4170516	1.81E-02	3.01E-03	2.22E-03
2919	609558.7	4170516	1.87E-02	3.10E-03	2.29E-03
2920	609510.5	4170516	2.20E-02	3.66E-03	2.70E-03
2921	609500.9	4170516	2.27E-02	3.78E-03	2.79E-03
2922	609491.3	4170516	2.34E-02	3.89E-03	2.87E-03
2923	609481.6	4170516	2.41E-02	4.01E-03	2.96E-03
2924	609472	4170516	2.48E-02	4.11E-03	3.04E-03
2925	609462.4	4170516	2.54E-02	4.21E-03	3.11E-03
2926	609452.7	4170516	2.59E-02	4.30E-03	3.18E-03
2927	609443.1	4170515	2.64E-02	4.38E-03	3.23E-03
2928	609433.5	4170515	2.68E-02	4.45E-03	3.28E-03
2929	609423.8	4170515	2.70E-02	4.49E-03	3.32E-03
2930	609587.6	4170507	1.49E-02	2.47E-03	1.82E-03
2931	609578	4170507	1.52E-02	2.52E-03	1.86E-03
2932	609568.4	4170506	1.56E-02	2.58E-03	1.91E-03
2933	609520.2	4170506	1.83E-02	3.03E-03	2.24E-03
2934	609510.6	4170506	1.89E-02	3.14E-03	2.32E-03
2935	609501	4170506	1.96E-02	3.26E-03	2.40E-03
2936	609491.3	4170506	2.03E-02	3.37E-03	2.49E-03
2937	609481.7	4170506	2.09E-02	3.48E-03	2.57E-03
2938	609472.1	4170506	2.16E-02	3.58E-03	2.65E-03
2939	609462.4	4170506	2.22E-02	3.68E-03	2.72E-03
2940	609452.8	4170506	2.27E-02	3.78E-03	2.79E-03
2941	609443.2	4170505	2.32E-02	3.86E-03	2.85E-03
2942	609433.5	4170505	2.37E-02	3.93E-03	2.90E-03
2943	609423.9	4170505	2.40E-02	3.98E-03	2.94E-03
2944	609587.7	4170497	1.29E-02	2.14E-03	1.58E-03
2945	609539.6	4170496	1.48E-02	2.45E-03	1.81E-03
2946	609529.9	4170496	1.53E-02	2.54E-03	1.87E-03
2947	609520.3	4170496	1.59E-02	2.63E-03	1.94E-03
2948	609510.7	4170496	1.65E-02	2.73E-03	2.02E-03
2949	609501	4170496	1.71E-02	2.84E-03	2.09E-03
2950	609491.4	4170496	1.77E-02	2.94E-03	2.17E-03
2951	609481.8	4170496	1.83E-02	3.05E-03	2.25E-03
2952	609472.1	4170496	1.89E-02	3.15E-03	2.32E-03
2953	609462.5	4170496	1.95E-02	3.24E-03	2.39E-03
2954	609452.9	4170496	2.01E-02	3.34E-03	2.46E-03
2955	609443.3	4170495	2.06E-02	3.42E-03	2.52E-03
2956	609433.6	4170495	2.10E-02	3.49E-03	2.58E-03
2957	609424	4170495	2.14E-02	3.55E-03	2.62E-03
2958	609549.3	4170486	1.25E-02	2.08E-03	1.53E-03
2959	609539.6	4170486	1.29E-02	2.15E-03	1.58E-03

2960	609530	4170486	1.34E-02	2.22E-03	1.64E-03
2961	609520.4	4170486	1.39E-02	2.31E-03	1.70E-03
2962	609510.7	4170486	1.44E-02	2.40E-03	1.77E-03
2963	609501.1	4170486	1.50E-02	2.49E-03	1.84E-03
2964	609491.5	4170486	1.56E-02	2.59E-03	1.91E-03
2965	609481.9	4170486	1.62E-02	2.69E-03	1.98E-03
2966	609472.2	4170486	1.67E-02	2.78E-03	2.05E-03
2967	609462.6	4170486	1.73E-02	2.87E-03	2.12E-03
2968	609453	4170486	1.78E-02	2.96E-03	2.19E-03
2969	609443.3	4170485	1.83E-02	3.04E-03	2.25E-03
2970	609433.7	4170485	1.88E-02	3.12E-03	2.30E-03
2971	609424.1	4170485	1.91E-02	3.18E-03	2.35E-03
2972	609559	4170476	1.07E-02	1.78E-03	1.31E-03
2973	609549.3	4170476	1.10E-02	1.83E-03	1.35E-03
2974	609539.7	4170476	1.14E-02	1.90E-03	1.40E-03
2975	609530.1	4170476	1.18E-02	1.97E-03	1.45E-03
2976	609520.5	4170476	1.23E-02	2.04E-03	1.51E-03
2977	609510.8	4170476	1.28E-02	2.12E-03	1.57E-03
2978	609501.2	4170476	1.33E-02	2.21E-03	1.63E-03
2979	609491.6	4170476	1.38E-02	2.30E-03	1.69E-03
2980	609481.9	4170476	1.44E-02	2.39E-03	1.76E-03
2981	609472.3	4170476	1.49E-02	2.47E-03	1.83E-03
2982	609462.7	4170476	1.54E-02	2.56E-03	1.89E-03
2983	609453	4170476	1.59E-02	2.65E-03	1.95E-03
2984	609443.4	4170475	1.64E-02	2.72E-03	2.01E-03
2985	609433.8	4170475	1.68E-02	2.79E-03	2.06E-03
2986	609424.1	4170475	1.72E-02	2.86E-03	2.11E-03
2987	609578.3	4170467	9.04E-03	1.50E-03	1.11E-03
2988	609568.7	4170466	9.27E-03	1.54E-03	1.14E-03
2989	609559.1	4170466	9.53E-03	1.58E-03	1.17E-03
2990	609549.4	4170466	9.83E-03	1.63E-03	1.20E-03
2991	609539.8	4170466	1.02E-02	1.69E-03	1.25E-03
2992	609530.2	4170466	1.05E-02	1.75E-03	1.29E-03
2993	609520.5	4170466	1.10E-02	1.82E-03	1.34E-03
2994	609510.9	4170466	1.14E-02	1.89E-03	1.40E-03
2995	609501.3	4170466	1.19E-02	1.97E-03	1.45E-03
2996	609491.6	4170466	1.23E-02	2.05E-03	1.51E-03
2997	609482	4170466	1.28E-02	2.13E-03	1.57E-03
2998	609472.4	4170466	1.33E-02	2.21E-03	1.63E-03
2999	609462.7	4170466	1.38E-02	2.29E-03	1.69E-03
3000	609453.1	4170466	1.43E-02	2.37E-03	1.75E-03
3001	609443.5	4170465	1.47E-02	2.45E-03	1.81E-03
3002	609433.9	4170465	1.51E-02	2.52E-03	1.86E-03
3003	609424.2	4170465	1.55E-02	2.58E-03	1.90E-03
3004	609588	4170457	7.93E-03	1.32E-03	9.72E-04
3005	609578.4	4170457	8.11E-03	1.35E-03	9.94E-04
3006	609568.8	4170456	8.31E-03	1.38E-03	1.02E-03
3007	609559.1	4170456	8.55E-03	1.42E-03	1.05E-03
3008	609549.5	4170456	8.82E-03	1.46E-03	1.08E-03
3009	609539.9	4170456	9.12E-03	1.52E-03	1.12E-03
3010	609530.2	4170456	9.46E-03	1.57E-03	1.16E-03
3011	609520.6	4170456	9.83E-03	1.63E-03	1.21E-03

3012	609511	4170456	1.02E-02	1.70E-03	1.25E-03
3013	609501.3	4170456	1.06E-02	1.77E-03	1.31E-03
3014	609491.7	4170456	1.11E-02	1.84E-03	1.36E-03
3015	609482.1	4170456	1.15E-02	1.92E-03	1.41E-03
3016	609472.5	4170456	1.20E-02	1.99E-03	1.47E-03
3017	609462.8	4170456	1.24E-02	2.07E-03	1.52E-03
3018	609453.2	4170456	1.29E-02	2.14E-03	1.58E-03
3019	609443.6	4170455	1.33E-02	2.21E-03	1.63E-03
3020	609433.9	4170455	1.37E-02	2.27E-03	1.68E-03
3021	609424.3	4170455	1.40E-02	2.33E-03	1.72E-03
3022	609588.1	4170447	7.15E-03	1.19E-03	8.77E-04
3023	609578.5	4170447	7.32E-03	1.22E-03	8.97E-04
3024	609568.8	4170446	7.50E-03	1.25E-03	9.20E-04
3025	609559.2	4170446	7.72E-03	1.28E-03	9.47E-04
3026	609549.6	4170446	7.97E-03	1.32E-03	9.77E-04
3027	609539.9	4170446	8.24E-03	1.37E-03	1.01E-03
3028	609530.3	4170446	8.55E-03	1.42E-03	1.05E-03
3029	609520.7	4170446	8.88E-03	1.47E-03	1.09E-03
3030	609511.1	4170446	9.24E-03	1.53E-03	1.13E-03
3031	609501.4	4170446	9.62E-03	1.60E-03	1.18E-03
3032	609491.8	4170446	1.00E-02	1.66E-03	1.23E-03
3033	609482.2	4170446	1.04E-02	1.73E-03	1.28E-03
3034	609472.5	4170446	1.08E-02	1.80E-03	1.33E-03
3035	609462.9	4170446	1.12E-02	1.87E-03	1.38E-03
3036	609453.3	4170446	1.17E-02	1.94E-03	1.43E-03
3037	609443.6	4170445	1.20E-02	2.00E-03	1.48E-03
3038	609434	4170445	1.24E-02	2.06E-03	1.52E-03
3039	609424.4	4170445	1.28E-02	2.12E-03	1.56E-03
3040	609588.2	4170437	6.49E-03	1.08E-03	7.96E-04
3041	609578.5	4170437	6.64E-03	1.10E-03	8.15E-04
3042	609568.9	4170436	6.82E-03	1.13E-03	8.36E-04
3043	609559.3	4170436	7.02E-03	1.17E-03	8.60E-04
3044	609549.7	4170436	7.24E-03	1.20E-03	8.88E-04
3045	609540	4170436	7.49E-03	1.24E-03	9.18E-04
3046	609530.4	4170436	7.77E-03	1.29E-03	9.52E-04
3047	609520.8	4170436	8.07E-03	1.34E-03	9.89E-04
3048	609511.1	4170436	8.39E-03	1.39E-03	1.03E-03
3049	609501.5	4170436	8.73E-03	1.45E-03	1.07E-03
3050	609491.9	4170436	9.09E-03	1.51E-03	1.11E-03
3051	609482.2	4170436	9.46E-03	1.57E-03	1.16E-03
3052	609472.6	4170436	9.84E-03	1.63E-03	1.21E-03
3053	609463	4170436	1.02E-02	1.70E-03	1.25E-03
3054	609453.3	4170436	1.06E-02	1.76E-03	1.30E-03
3055	609443.7	4170435	1.10E-02	1.82E-03	1.34E-03
3056	609434.1	4170435	1.13E-02	1.88E-03	1.39E-03
3057	609424.5	4170435	1.16E-02	1.93E-03	1.43E-03
3058	609588.4	4170407	5.01E-03	8.33E-04	6.14E-04
3059	609578.8	4170407	5.14E-03	8.53E-04	6.30E-04
3060	609569.1	4170406	5.28E-03	8.76E-04	6.47E-04
3061	609559.5	4170406	5.43E-03	9.02E-04	6.66E-04
3062	609549.9	4170406	5.61E-03	9.31E-04	6.87E-04
3063	609540.3	4170406	5.80E-03	9.63E-04	7.11E-04

3064	609530.6	4170406	6.00E-03	9.97E-04	7.36E-04
3065	609521	4170406	6.23E-03	1.03E-03	7.63E-04
3066	609511.4	4170406	6.47E-03	1.07E-03	7.93E-04
3067	609501.7	4170406	6.72E-03	1.12E-03	8.24E-04
3068	609492.1	4170406	6.99E-03	1.16E-03	8.57E-04
3069	609482.5	4170406	7.27E-03	1.21E-03	8.91E-04
3070	609472.8	4170406	7.55E-03	1.25E-03	9.26E-04
3071	609463.2	4170406	7.84E-03	1.30E-03	9.61E-04
3072	609453.6	4170406	8.13E-03	1.35E-03	9.97E-04
3073	609443.9	4170405	8.42E-03	1.40E-03	1.03E-03
3074	609434.3	4170405	8.70E-03	1.44E-03	1.07E-03
3075	609424.7	4170405	8.97E-03	1.49E-03	1.10E-03
3076	609588.5	4170397	4.64E-03	7.71E-04	5.69E-04
3077	609578.9	4170397	4.76E-03	7.90E-04	5.83E-04
3078	609569.2	4170396	4.89E-03	8.12E-04	5.99E-04
3079	609559.6	4170396	5.03E-03	8.36E-04	6.17E-04
3080	609550	4170396	5.19E-03	8.62E-04	6.36E-04
3081	609540.3	4170396	5.37E-03	8.91E-04	6.58E-04
3082	609530.7	4170396	5.55E-03	9.23E-04	6.81E-04
3083	609521.1	4170396	5.76E-03	9.57E-04	7.06E-04
3084	609511.4	4170396	5.98E-03	9.93E-04	7.33E-04
3085	609501.8	4170396	6.21E-03	1.03E-03	7.61E-04
3086	609492.2	4170396	6.45E-03	1.07E-03	7.91E-04
3087	609482.5	4170396	6.70E-03	1.11E-03	8.22E-04
3088	609472.9	4170396	6.97E-03	1.16E-03	8.54E-04
3089	609463.3	4170396	7.23E-03	1.20E-03	8.86E-04
3090	609453.7	4170396	7.50E-03	1.25E-03	9.19E-04
3091	609444	4170395	7.76E-03	1.29E-03	9.52E-04
3092	609434.4	4170395	8.02E-03	1.33E-03	9.83E-04
3093	609424.8	4170395	8.27E-03	1.37E-03	1.01E-03
3094	609588.6	4170387	4.31E-03	7.16E-04	5.29E-04
3095	609578.9	4170387	4.42E-03	7.35E-04	5.42E-04
3096	609569.3	4170386	4.54E-03	7.55E-04	5.57E-04
3097	609559.7	4170386	4.68E-03	7.77E-04	5.74E-04
3098	609550	4170386	4.83E-03	8.02E-04	5.92E-04
3099	609540.4	4170386	4.99E-03	8.28E-04	6.11E-04
3100	609530.8	4170386	5.16E-03	8.57E-04	6.33E-04
3101	609521.1	4170386	5.35E-03	8.88E-04	6.55E-04
3102	609511.5	4170386	5.55E-03	9.21E-04	6.80E-04
3103	609501.9	4170386	5.76E-03	9.56E-04	7.06E-04
3104	609492.3	4170386	5.98E-03	9.93E-04	7.33E-04
3105	609482.6	4170386	6.21E-03	1.03E-03	7.61E-04
3106	609473	4170386	6.45E-03	1.07E-03	7.90E-04
3107	609463.4	4170386	6.69E-03	1.11E-03	8.20E-04
3108	609453.7	4170386	6.93E-03	1.15E-03	8.50E-04
3109	609444.1	4170385	7.18E-03	1.19E-03	8.80E-04
3110	609434.5	4170385	7.41E-03	1.23E-03	9.09E-04
3111	609424.8	4170385	7.65E-03	1.27E-03	9.38E-04
3112	609588.6	4170377	4.02E-03	6.68E-04	4.93E-04
3113	609579	4170377	4.13E-03	6.85E-04	5.06E-04
3114	609569.4	4170376	4.24E-03	7.04E-04	5.20E-04
3115	609559.7	4170376	4.36E-03	7.25E-04	5.35E-04

3116	609550.1	4170376	4.50E-03	7.48E-04	5.52E-04
3117	609540.5	4170376	4.65E-03	7.72E-04	5.70E-04
3118	609530.9	4170376	4.81E-03	7.99E-04	5.89E-04
3119	609521.2	4170376	4.98E-03	8.27E-04	6.10E-04
3120	609511.6	4170376	5.16E-03	8.57E-04	6.33E-04
3121	609502	4170376	5.35E-03	8.89E-04	6.56E-04
3122	609492.3	4170376	5.56E-03	9.23E-04	6.81E-04
3123	609482.7	4170376	5.77E-03	9.58E-04	7.07E-04
3124	609473.1	4170376	5.98E-03	9.94E-04	7.33E-04
3125	609463.4	4170376	6.20E-03	1.03E-03	7.61E-04
3126	609453.8	4170376	6.43E-03	1.07E-03	7.88E-04
3127	609444.2	4170375	6.65E-03	1.11E-03	8.16E-04
3128	609434.6	4170375	6.87E-03	1.14E-03	8.43E-04
3129	609424.9	4170375	7.09E-03	1.18E-03	8.70E-04
3130	609588.7	4170367	3.77E-03	6.26E-04	4.62E-04
3131	609579.1	4170367	3.86E-03	6.42E-04	4.74E-04
3132	609569.5	4170366	3.97E-03	6.59E-04	4.87E-04
3133	609559.8	4170366	4.08E-03	6.79E-04	5.01E-04
3134	609550.2	4170366	4.21E-03	6.99E-04	5.16E-04
3135	609540.6	4170366	4.35E-03	7.22E-04	5.33E-04
3136	609530.9	4170366	4.49E-03	7.46E-04	5.51E-04
3137	609521.3	4170366	4.65E-03	7.73E-04	5.70E-04
3138	609511.7	4170366	4.82E-03	8.00E-04	5.91E-04
3139	609502	4170366	4.99E-03	8.29E-04	6.12E-04
3140	609492.4	4170366	5.18E-03	8.60E-04	6.35E-04
3141	609482.8	4170366	5.37E-03	8.92E-04	6.58E-04
3142	609473.2	4170366	5.57E-03	9.25E-04	6.83E-04
3143	609463.5	4170366	5.77E-03	9.59E-04	7.08E-04
3144	609453.9	4170366	5.98E-03	9.93E-04	7.33E-04
3145	609444.3	4170365	6.18E-03	1.03E-03	7.58E-04
3146	609434.6	4170365	6.39E-03	1.06E-03	7.83E-04
3147	609425	4170365	6.59E-03	1.10E-03	8.08E-04
3148	609588.8	4170357	3.53E-03	5.87E-04	4.33E-04
3149	609579.2	4170357	3.63E-03	6.02E-04	4.45E-04
3150	609569.5	4170356	3.73E-03	6.19E-04	4.57E-04
3151	609559.9	4170356	3.83E-03	6.37E-04	4.70E-04
3152	609550.3	4170356	3.95E-03	6.56E-04	4.84E-04
3153	609540.6	4170356	4.08E-03	6.77E-04	5.00E-04
3154	609531	4170356	4.21E-03	7.00E-04	5.16E-04
3155	609521.4	4170356	4.36E-03	7.24E-04	5.34E-04
3156	609511.7	4170356	4.51E-03	7.49E-04	5.53E-04
3157	609502.1	4170356	4.67E-03	7.76E-04	5.73E-04
3158	609492.5	4170356	4.84E-03	8.04E-04	5.93E-04
3159	609482.9	4170356	5.02E-03	8.33E-04	6.15E-04
3160	609473.2	4170356	5.20E-03	8.64E-04	6.37E-04
3161	609463.6	4170356	5.38E-03	8.94E-04	6.60E-04
3162	609454	4170356	5.57E-03	9.26E-04	6.83E-04
3163	609444.3	4170355	5.76E-03	9.58E-04	7.07E-04
3164	609434.7	4170355	5.95E-03	9.89E-04	7.30E-04
3165	609425.1	4170355	6.14E-03	1.02E-03	7.53E-04
3166	609588.9	4170347	3.33E-03	5.53E-04	4.08E-04
3167	609579.2	4170347	3.41E-03	5.67E-04	4.18E-04

3168	609569.6	4170346	3.51E-03	5.82E-04	4.30E-04
3169	609560	4170346	3.61E-03	5.99E-04	4.42E-04
3170	609550.3	4170346	3.72E-03	6.17E-04	4.56E-04
3171	609540.7	4170346	3.83E-03	6.37E-04	4.70E-04
3172	609531.1	4170346	3.96E-03	6.58E-04	4.85E-04
3173	609521.5	4170346	4.09E-03	6.80E-04	5.02E-04
3174	609511.8	4170346	4.23E-03	7.03E-04	5.19E-04
3175	609502.2	4170346	4.38E-03	7.28E-04	5.37E-04
3176	609492.6	4170346	4.54E-03	7.54E-04	5.56E-04
3177	609482.9	4170346	4.70E-03	7.80E-04	5.76E-04
3178	609473.3	4170346	4.86E-03	8.08E-04	5.96E-04
3179	609463.7	4170346	5.04E-03	8.37E-04	6.17E-04
3180	609454	4170346	5.21E-03	8.65E-04	6.39E-04
3181	609444.4	4170345	5.39E-03	8.95E-04	6.60E-04
3182	609434.8	4170345	5.56E-03	9.24E-04	6.82E-04
3183	609425.2	4170345	5.73E-03	9.53E-04	7.03E-04
3184	609588.9	4170337	3.14E-03	5.22E-04	3.85E-04
3185	609579.3	4170337	3.22E-03	5.35E-04	3.95E-04
3186	609569.7	4170336	3.31E-03	5.49E-04	4.06E-04
3187	609560.1	4170336	3.40E-03	5.65E-04	4.17E-04
3188	609550.4	4170336	3.50E-03	5.82E-04	4.30E-04
3189	609540.8	4170336	3.61E-03	6.00E-04	4.43E-04
3190	609531.2	4170336	3.73E-03	6.19E-04	4.57E-04
3191	609521.5	4170336	3.85E-03	6.40E-04	4.72E-04
3192	609511.9	4170336	3.98E-03	6.61E-04	4.88E-04
3193	609502.3	4170336	4.12E-03	6.84E-04	5.05E-04
3194	609492.6	4170336	4.26E-03	7.08E-04	5.23E-04
3195	609483	4170336	4.41E-03	7.33E-04	5.41E-04
3196	609473.4	4170336	4.56E-03	7.58E-04	5.60E-04
3197	609463.8	4170336	4.72E-03	7.84E-04	5.79E-04
3198	609454.1	4170336	4.88E-03	8.11E-04	5.99E-04
3199	609444.5	4170335	5.04E-03	8.38E-04	6.18E-04
3200	609434.9	4170335	5.21E-03	8.65E-04	6.38E-04
3201	609425.2	4170335	5.37E-03	8.92E-04	6.58E-04
3202	609589	4170327	2.97E-03	4.93E-04	3.64E-04
3203	609579.4	4170327	3.05E-03	5.06E-04	3.73E-04
3204	609569.8	4170326	3.13E-03	5.20E-04	3.84E-04
3205	609560.1	4170326	3.22E-03	5.34E-04	3.94E-04
3206	609550.5	4170326	3.31E-03	5.50E-04	4.06E-04
3207	609540.9	4170326	3.41E-03	5.67E-04	4.18E-04
3208	609531.2	4170326	3.52E-03	5.85E-04	4.32E-04
3209	609521.6	4170326	3.63E-03	6.04E-04	4.46E-04
3210	609512	4170326	3.76E-03	6.24E-04	4.60E-04
3211	609502.4	4170326	3.88E-03	6.45E-04	4.76E-04
3212	609492.7	4170326	4.01E-03	6.67E-04	4.92E-04
3213	609483.1	4170326	4.15E-03	6.89E-04	5.09E-04
3214	609473.5	4170326	4.29E-03	7.13E-04	5.26E-04
3215	609463.8	4170326	4.44E-03	7.37E-04	5.44E-04
3216	609454.2	4170326	4.58E-03	7.61E-04	5.62E-04
3217	609444.6	4170325	4.73E-03	7.86E-04	5.80E-04
3218	609434.9	4170325	4.88E-03	8.11E-04	5.99E-04
3219	609425.3	4170325	5.03E-03	8.36E-04	6.17E-04

3220	609589.1	4170317	2.81E-03	4.68E-04	3.45E-04
3221	609579.5	4170317	2.89E-03	4.79E-04	3.54E-04
3222	609569.8	4170316	2.96E-03	4.92E-04	3.63E-04
3223	609560.2	4170316	3.05E-03	5.06E-04	3.74E-04
3224	609550.6	4170316	3.14E-03	5.21E-04	3.84E-04
3225	609541	4170316	3.23E-03	5.37E-04	3.96E-04
3226	609531.3	4170316	3.33E-03	5.53E-04	4.08E-04
3227	609521.7	4170316	3.44E-03	5.71E-04	4.21E-04
3228	609512.1	4170316	3.55E-03	5.89E-04	4.35E-04
3229	609502.4	4170316	3.67E-03	6.09E-04	4.49E-04
3230	609492.8	4170316	3.79E-03	6.29E-04	4.64E-04
3231	609483.2	4170316	3.91E-03	6.50E-04	4.80E-04
3232	609473.5	4170316	4.04E-03	6.72E-04	4.96E-04
3233	609463.9	4170316	4.18E-03	6.94E-04	5.12E-04
3234	609454.3	4170316	4.31E-03	7.17E-04	5.29E-04
3235	609444.6	4170315	4.45E-03	7.39E-04	5.46E-04
3236	609435	4170315	4.59E-03	7.63E-04	5.63E-04
3237	609425.4	4170315	4.73E-03	7.86E-04	5.80E-04
3238	609589.2	4170307	2.67E-03	4.44E-04	3.28E-04
3239	609579.6	4170307	2.74E-03	4.55E-04	3.36E-04
3240	609569.9	4170306	2.81E-03	4.67E-04	3.45E-04
3241	609560.3	4170306	2.89E-03	4.80E-04	3.55E-04
3242	609550.7	4170306	2.98E-03	4.94E-04	3.65E-04
3243	609541	4170306	3.06E-03	5.09E-04	3.76E-04
3244	609531.4	4170306	3.16E-03	5.24E-04	3.87E-04
3245	609521.8	4170306	3.26E-03	5.41E-04	3.99E-04
3246	609512.1	4170306	3.36E-03	5.58E-04	4.12E-04
3247	609502.5	4170306	3.47E-03	5.76E-04	4.25E-04
3248	609492.9	4170306	3.58E-03	5.95E-04	4.39E-04
3249	609483.2	4170306	3.70E-03	6.14E-04	4.53E-04
3250	609473.6	4170306	3.82E-03	6.34E-04	4.68E-04
3251	609464	4170306	3.94E-03	6.55E-04	4.83E-04
3252	609454.4	4170306	4.07E-03	6.76E-04	4.99E-04
3253	609444.7	4170305	4.20E-03	6.97E-04	5.14E-04
3254	609435.1	4170305	4.32E-03	7.18E-04	5.30E-04
3255	609425.5	4170305	4.45E-03	7.40E-04	5.46E-04
3256	609410.9	4170590	8.05E-02	1.34E-02	9.87E-03
3257	609397	4170598	8.51E-02	1.41E-02	1.04E-02
3258	609389.4	4170604	8.78E-02	1.46E-02	1.08E-02
3259	609381.7	4170609	8.89E-02	1.48E-02	1.09E-02
3260	609374	4170615	8.87E-02	1.47E-02	1.09E-02
3261	609366.4	4170621	8.74E-02	1.45E-02	1.07E-02
3262	609358.7	4170627	8.54E-02	1.42E-02	1.05E-02
3263	609320.4	4170657	6.41E-02	1.06E-02	7.86E-03
3264	609312.8	4170663	5.80E-02	9.64E-03	7.12E-03
3265	609305.1	4170669	5.11E-02	8.49E-03	6.26E-03
3266	609297.4	4170675	4.35E-02	7.23E-03	5.33E-03
3267	609289.8	4170681	3.60E-02	5.97E-03	4.41E-03
3268	609406.8	4170581	6.74E-02	1.12E-02	8.26E-03
3269	609390.9	4170590	7.09E-02	1.18E-02	8.70E-03
3270	609383.2	4170596	7.31E-02	1.21E-02	8.96E-03
3271	609375.6	4170602	7.41E-02	1.23E-02	9.08E-03

3272	609367.9	4170608	7.41E-02	1.23E-02	9.08E-03
3273	609360.2	4170613	7.32E-02	1.22E-02	8.97E-03
3274	609352.6	4170619	7.15E-02	1.19E-02	8.77E-03
3275	609344.9	4170625	6.91E-02	1.15E-02	8.47E-03
3276	609306.6	4170655	4.94E-02	8.20E-03	6.06E-03
3277	609299	4170661	4.39E-02	7.29E-03	5.38E-03
3278	609291.3	4170667	3.81E-02	6.33E-03	4.67E-03
3279	609283.7	4170673	3.23E-02	5.37E-03	3.96E-03
3280	609400.2	4170573	5.78E-02	9.59E-03	7.08E-03
3281	609384.8	4170582	6.05E-02	1.01E-02	7.42E-03
3282	609377.1	4170588	6.22E-02	1.03E-02	7.63E-03
3283	609369.4	4170594	6.31E-02	1.05E-02	7.74E-03
3284	609361.8	4170600	6.32E-02	1.05E-02	7.75E-03
3285	609354.1	4170606	6.25E-02	1.04E-02	7.67E-03
3286	609346.5	4170611	6.11E-02	1.02E-02	7.50E-03
3287	609338.8	4170617	5.92E-02	9.83E-03	7.26E-03
3288	609331.1	4170623	5.67E-02	9.42E-03	6.96E-03
3289	609300.5	4170647	4.30E-02	7.14E-03	5.27E-03
3290	609292.8	4170653	3.85E-02	6.40E-03	4.72E-03
3291	609285.2	4170659	3.39E-02	5.63E-03	4.16E-03
3292	609277.5	4170665	2.93E-02	4.87E-03	3.59E-03
3293	609393.7	4170565	5.03E-02	8.36E-03	6.17E-03
3294	609378.6	4170574	5.25E-02	8.72E-03	6.44E-03
3295	609371	4170580	5.39E-02	8.95E-03	6.61E-03
3296	609363.3	4170586	5.47E-02	9.08E-03	6.70E-03
3297	609355.6	4170592	5.48E-02	9.10E-03	6.72E-03
3298	609348	4170598	5.43E-02	9.01E-03	6.65E-03
3299	609340.3	4170604	5.32E-02	8.83E-03	6.52E-03
3300	609332.7	4170610	5.16E-02	8.57E-03	6.32E-03
3301	609325	4170615	4.95E-02	8.22E-03	6.07E-03
3302	609286.7	4170645	3.43E-02	5.70E-03	4.21E-03
3303	609279	4170651	3.05E-02	5.07E-03	3.75E-03
3304	609271.4	4170657	2.68E-02	4.45E-03	3.29E-03
3305	609388.8	4170557	4.43E-02	7.36E-03	5.43E-03
3306	609414.9	4170548	4.15E-02	6.90E-03	5.09E-03
3307	609380.1	4170560	4.45E-02	7.40E-03	5.46E-03
3308	609372.5	4170566	4.61E-02	7.67E-03	5.66E-03
3309	609364.8	4170572	4.73E-02	7.86E-03	5.80E-03
3310	609357.2	4170578	4.80E-02	7.97E-03	5.88E-03
3311	609349.5	4170584	4.81E-02	7.99E-03	5.90E-03
3312	609341.9	4170590	4.77E-02	7.92E-03	5.85E-03
3313	609334.2	4170596	4.68E-02	7.78E-03	5.74E-03
3314	609326.5	4170602	4.55E-02	7.56E-03	5.58E-03
3315	609318.9	4170608	4.38E-02	7.27E-03	5.37E-03
3316	609311.2	4170614	4.18E-02	6.94E-03	5.12E-03
3317	609280.6	4170637	3.09E-02	5.14E-03	3.79E-03
3318	609272.9	4170643	2.78E-02	4.62E-03	3.41E-03
3319	609265.3	4170649	2.47E-02	4.10E-03	3.03E-03
3320	609398.9	4170544	3.83E-02	6.36E-03	4.69E-03
3321	609366.4	4170558	4.10E-02	6.81E-03	5.03E-03
3322	609358.7	4170564	4.20E-02	6.97E-03	5.15E-03
3323	609351	4170570	4.25E-02	7.06E-03	5.21E-03

3324	609343.4	4170576	4.27E-02	7.08E-03	5.23E-03
3325	609335.7	4170582	4.24E-02	7.04E-03	5.19E-03
3326	609328.1	4170588	4.17E-02	6.92E-03	5.11E-03
3327	609320.4	4170594	4.06E-02	6.74E-03	4.97E-03
3328	609312.7	4170600	3.91E-02	6.50E-03	4.80E-03
3329	609305.1	4170606	3.74E-02	6.21E-03	4.58E-03
3330	609297.4	4170612	3.54E-02	5.88E-03	4.34E-03
3331	609266.8	4170635	2.55E-02	4.24E-03	3.13E-03
3332	609259.1	4170641	2.28E-02	3.80E-03	2.80E-03
3333	609391.8	4170536	3.45E-02	5.73E-03	4.23E-03
3334	609407.8	4170531	3.28E-02	5.45E-03	4.03E-03
3335	609360.2	4170550	3.67E-02	6.10E-03	4.50E-03
3336	609352.6	4170556	3.75E-02	6.24E-03	4.60E-03
3337	609344.9	4170562	3.80E-02	6.32E-03	4.66E-03
3338	609337.2	4170568	3.82E-02	6.34E-03	4.68E-03
3339	609329.6	4170574	3.79E-02	6.30E-03	4.65E-03
3340	609321.9	4170580	3.73E-02	6.20E-03	4.58E-03
3341	609314.3	4170586	3.64E-02	6.05E-03	4.47E-03
3342	609306.6	4170592	3.52E-02	5.85E-03	4.32E-03
3343	609299	4170598	3.37E-02	5.60E-03	4.13E-03
3344	609291.3	4170604	3.20E-02	5.32E-03	3.92E-03
3345	609260.7	4170627	2.35E-02	3.91E-03	2.88E-03
3346	609253	4170633	2.13E-02	3.53E-03	2.61E-03
3347	609379.5	4170530	3.16E-02	5.25E-03	3.88E-03
3348	609388.4	4170527	3.10E-02	5.15E-03	3.80E-03
3349	609397.2	4170524	3.02E-02	5.02E-03	3.71E-03
3350	609406.1	4170521	2.93E-02	4.87E-03	3.59E-03
3351	609415	4170518	2.82E-02	4.69E-03	3.46E-03
3352	609354.1	4170542	3.31E-02	5.50E-03	4.06E-03
3353	609346.4	4170548	3.38E-02	5.62E-03	4.15E-03
3354	609338.8	4170554	3.43E-02	5.69E-03	4.20E-03
3355	609331.1	4170560	3.44E-02	5.71E-03	4.21E-03
3356	609323.5	4170566	3.42E-02	5.68E-03	4.19E-03
3357	609315.8	4170572	3.37E-02	5.60E-03	4.13E-03
3358	609308.1	4170578	3.29E-02	5.47E-03	4.04E-03
3359	609300.5	4170584	3.19E-02	5.29E-03	3.91E-03
3360	609292.8	4170590	3.06E-02	5.08E-03	3.75E-03
3361	609285.2	4170596	2.91E-02	4.84E-03	3.57E-03
3362	609277.5	4170602	2.75E-02	4.57E-03	3.37E-03
3363	609246.9	4170625	1.99E-02	3.30E-03	2.43E-03
3364	609364.2	4170526	2.91E-02	4.83E-03	3.57E-03
3365	609381.2	4170520	2.83E-02	4.70E-03	3.47E-03
3366	609389.8	4170517	2.77E-02	4.60E-03	3.39E-03
3367	609406.8	4170511	2.60E-02	4.32E-03	3.19E-03
3368	609340.3	4170540	3.07E-02	5.10E-03	3.76E-03
3369	609332.6	4170546	3.11E-02	5.16E-03	3.81E-03
3370	609325	4170552	3.12E-02	5.18E-03	3.82E-03
3371	609317.3	4170558	3.10E-02	5.15E-03	3.80E-03
3372	609309.7	4170564	3.06E-02	5.08E-03	3.75E-03
3373	609302	4170570	2.99E-02	4.97E-03	3.67E-03
3374	609294.4	4170576	2.90E-02	4.82E-03	3.56E-03
3375	609286.7	4170582	2.79E-02	4.64E-03	3.43E-03

3376	609279	4170588	2.67E-02	4.43E-03	3.27E-03
3377	609271.4	4170594	2.52E-02	4.19E-03	3.10E-03
3378	609263.7	4170600	2.37E-02	3.93E-03	2.90E-03
3379	609240.7	4170618	1.86E-02	3.09E-03	2.28E-03
3380	609357.8	4170518	2.66E-02	4.42E-03	3.26E-03
3381	609374.3	4170512	2.60E-02	4.31E-03	3.18E-03
3382	609390.9	4170507	2.48E-02	4.12E-03	3.04E-03
3383	609407.4	4170501	2.32E-02	3.86E-03	2.85E-03
3384	609326.5	4170538	2.83E-02	4.70E-03	3.47E-03
3385	609318.9	4170544	2.84E-02	4.72E-03	3.48E-03
3386	609311.2	4170550	2.83E-02	4.70E-03	3.47E-03
3387	609303.5	4170556	2.79E-02	4.64E-03	3.42E-03
3388	609295.9	4170562	2.73E-02	4.54E-03	3.35E-03
3389	609288.2	4170568	2.66E-02	4.41E-03	3.26E-03
3390	609280.6	4170574	2.56E-02	4.26E-03	3.14E-03
3391	609272.9	4170580	2.45E-02	4.08E-03	3.01E-03
3392	609265.2	4170586	2.33E-02	3.87E-03	2.86E-03
3393	609257.6	4170592	2.19E-02	3.64E-03	2.69E-03
3394	609352.3	4170510	2.44E-02	4.05E-03	2.99E-03
3395	609361.3	4170507	2.41E-02	4.01E-03	2.96E-03
3396	609370.3	4170504	2.37E-02	3.94E-03	2.91E-03
3397	609379.2	4170500	2.32E-02	3.86E-03	2.85E-03
3398	609388.2	4170497	2.26E-02	3.75E-03	2.77E-03
3399	609397.2	4170494	2.18E-02	3.62E-03	2.68E-03
3400	609406.1	4170491	2.10E-02	3.49E-03	2.57E-03
3401	609415.1	4170488	2.01E-02	3.34E-03	2.46E-03
3402	609343.4	4170513	2.45E-02	4.07E-03	3.00E-03
3403	609335.7	4170519	2.51E-02	4.18E-03	3.08E-03
3404	609320.4	4170530	2.59E-02	4.31E-03	3.18E-03
3405	609312.7	4170536	2.60E-02	4.32E-03	3.19E-03
3406	609305.1	4170542	2.59E-02	4.30E-03	3.18E-03
3407	609297.4	4170548	2.56E-02	4.25E-03	3.14E-03
3408	609289.7	4170554	2.51E-02	4.17E-03	3.08E-03
3409	609282.1	4170560	2.45E-02	4.06E-03	3.00E-03
3410	609274.4	4170566	2.36E-02	3.93E-03	2.90E-03
3411	609266.8	4170572	2.27E-02	3.77E-03	2.78E-03
3412	609259.1	4170578	2.16E-02	3.59E-03	2.65E-03
3413	609345.9	4170502	2.25E-02	3.74E-03	2.76E-03
3414	609354.6	4170499	2.23E-02	3.70E-03	2.73E-03
3415	609363.3	4170496	2.19E-02	3.65E-03	2.69E-03
3416	609372	4170493	2.15E-02	3.57E-03	2.64E-03
3417	609380.7	4170490	2.10E-02	3.48E-03	2.57E-03
3418	609389.4	4170487	2.03E-02	3.38E-03	2.49E-03
3419	609398.1	4170484	1.96E-02	3.26E-03	2.41E-03
3420	609406.8	4170481	1.89E-02	3.13E-03	2.31E-03
3421	609415.5	4170478	1.80E-02	3.00E-03	2.21E-03
3422	609337.2	4170505	2.26E-02	3.75E-03	2.77E-03
3423	609329.6	4170511	2.32E-02	3.85E-03	2.84E-03
3424	609306.6	4170528	2.39E-02	3.97E-03	2.93E-03
3425	609298.9	4170534	2.38E-02	3.96E-03	2.92E-03
3426	609291.3	4170540	2.36E-02	3.91E-03	2.89E-03
3427	609283.6	4170546	2.32E-02	3.85E-03	2.84E-03

3428	609276	4170552	2.26E-02	3.75E-03	2.77E-03
3429	609268.3	4170558	2.19E-02	3.63E-03	2.68E-03
3430	609237.7	4170582	1.79E-02	2.97E-03	2.20E-03
3431	609230	4170588	1.67E-02	2.78E-03	2.05E-03
3432	609339.6	4170494	2.08E-02	3.46E-03	2.55E-03
3433	609356.5	4170488	2.03E-02	3.38E-03	2.49E-03
3434	609373.4	4170483	1.95E-02	3.24E-03	2.39E-03
3435	609390.4	4170477	1.84E-02	3.05E-03	2.25E-03
3436	609407.3	4170471	1.70E-02	2.83E-03	2.09E-03
3437	609323.4	4170503	2.14E-02	3.55E-03	2.62E-03
3438	609315.8	4170509	2.18E-02	3.62E-03	2.67E-03
3439	609300.5	4170521	2.21E-02	3.67E-03	2.71E-03
3440	609292.8	4170527	2.20E-02	3.66E-03	2.70E-03
3441	609285.1	4170532	2.18E-02	3.62E-03	2.67E-03
3442	609277.5	4170538	2.14E-02	3.56E-03	2.63E-03
3443	609246.8	4170562	1.87E-02	3.11E-03	2.30E-03
3444	609239.2	4170568	1.78E-02	2.96E-03	2.18E-03
3445	609231.5	4170574	1.68E-02	2.79E-03	2.06E-03
3446	609223.9	4170580	1.58E-02	2.62E-03	1.93E-03
3447	609334	4170486	1.93E-02	3.21E-03	2.37E-03
3448	609343	4170483	1.91E-02	3.17E-03	2.34E-03
3449	609352.1	4170480	1.88E-02	3.13E-03	2.31E-03
3450	609361.1	4170477	1.85E-02	3.07E-03	2.26E-03
3451	609370.1	4170474	1.80E-02	2.99E-03	2.21E-03
3452	609379.2	4170471	1.75E-02	2.90E-03	2.14E-03
3453	609388.2	4170468	1.69E-02	2.80E-03	2.07E-03
3454	609397.2	4170464	1.62E-02	2.69E-03	1.99E-03
3455	609406.2	4170461	1.55E-02	2.58E-03	1.90E-03
3456	609415.3	4170458	1.48E-02	2.46E-03	1.81E-03
3457	609325	4170489	1.94E-02	3.22E-03	2.38E-03
3458	609317.3	4170495	1.98E-02	3.29E-03	2.43E-03
3459	609309.7	4170501	2.02E-02	3.35E-03	2.47E-03
3460	609286.7	4170519	2.04E-02	3.39E-03	2.50E-03
3461	609256	4170542	1.89E-02	3.14E-03	2.32E-03
3462	609248.4	4170548	1.83E-02	3.03E-03	2.24E-03
3463	609240.7	4170554	1.75E-02	2.91E-03	2.15E-03
3464	609233.1	4170560	1.67E-02	2.77E-03	2.05E-03
3465	609225.4	4170566	1.58E-02	2.63E-03	1.94E-03
3466	609217.7	4170572	1.49E-02	2.47E-03	1.82E-03
3467	609210.1	4170578	1.39E-02	2.32E-03	1.71E-03
3468	609327.6	4170478	1.80E-02	2.98E-03	2.20E-03
3469	609336.4	4170475	1.78E-02	2.96E-03	2.18E-03
3470	609345.2	4170472	1.76E-02	2.92E-03	2.15E-03
3471	609354	4170469	1.72E-02	2.86E-03	2.11E-03
3472	609362.8	4170466	1.69E-02	2.80E-03	2.07E-03
3473	609371.6	4170463	1.64E-02	2.72E-03	2.01E-03
3474	609380.4	4170460	1.59E-02	2.64E-03	1.95E-03
3475	609389.2	4170457	1.53E-02	2.54E-03	1.88E-03
3476	609398	4170454	1.47E-02	2.44E-03	1.80E-03
3477	609406.8	4170451	1.41E-02	2.34E-03	1.73E-03
3478	609415.6	4170448	1.34E-02	2.23E-03	1.65E-03
3479	609318.8	4170481	1.80E-02	2.99E-03	2.21E-03

3480	609311.2	4170487	1.84E-02	3.06E-03	2.26E-03
3481	609303.5	4170493	1.87E-02	3.11E-03	2.30E-03
3482	609295.9	4170499	1.89E-02	3.14E-03	2.32E-03
3483	609265.2	4170523	1.85E-02	3.08E-03	2.27E-03
3484	609257.6	4170529	1.82E-02	3.02E-03	2.23E-03
3485	609249.9	4170535	1.77E-02	2.94E-03	2.17E-03
3486	609242.2	4170540	1.71E-02	2.84E-03	2.10E-03
3487	609234.6	4170546	1.64E-02	2.73E-03	2.01E-03
3488	609226.9	4170552	1.57E-02	2.61E-03	1.92E-03
3489	609219.3	4170558	1.49E-02	2.48E-03	1.83E-03
3490	609211.6	4170564	1.41E-02	2.34E-03	1.73E-03
3491	609204	4170570	1.32E-02	2.20E-03	1.62E-03
3492	609321.3	4170470	1.68E-02	2.78E-03	2.06E-03
3493	609329.9	4170467	1.66E-02	2.76E-03	2.04E-03
3494	609338.5	4170464	1.64E-02	2.73E-03	2.01E-03
3495	609347.1	4170461	1.61E-02	2.68E-03	1.98E-03
3496	609355.7	4170459	1.58E-02	2.63E-03	1.94E-03
3497	609372.9	4170453	1.50E-02	2.49E-03	1.83E-03
3498	609381.5	4170450	1.45E-02	2.40E-03	1.77E-03
3499	609398.7	4170444	1.34E-02	2.22E-03	1.64E-03
3500	609415.9	4170438	1.22E-02	2.03E-03	1.50E-03
3501	609312.7	4170473	1.68E-02	2.79E-03	2.06E-03
3502	609305	4170479	1.72E-02	2.86E-03	2.11E-03
3503	609297.4	4170485	1.75E-02	2.90E-03	2.14E-03
3504	609289.7	4170491	1.76E-02	2.93E-03	2.16E-03
3505	609282.1	4170497	1.77E-02	2.94E-03	2.17E-03
3506	609266.8	4170509	1.76E-02	2.92E-03	2.15E-03
3507	609259.1	4170515	1.73E-02	2.88E-03	2.12E-03
3508	609251.4	4170521	1.70E-02	2.82E-03	2.08E-03
3509	609243.8	4170527	1.65E-02	2.75E-03	2.03E-03
3510	609236.1	4170533	1.60E-02	2.66E-03	1.97E-03
3511	609228.5	4170539	1.54E-02	2.56E-03	1.89E-03
3512	609220.8	4170544	1.48E-02	2.46E-03	1.81E-03
3513	609213.1	4170550	1.41E-02	2.34E-03	1.73E-03
3514	609205.5	4170556	1.33E-02	2.21E-03	1.63E-03
3515	609197.8	4170562	1.26E-02	2.09E-03	1.54E-03
3516	609315.7	4170462	1.57E-02	2.60E-03	1.92E-03
3517	609324.7	4170459	1.55E-02	2.58E-03	1.91E-03
3518	609333.8	4170456	1.53E-02	2.55E-03	1.88E-03
3519	609342.9	4170453	1.51E-02	2.50E-03	1.85E-03
3520	609351.9	4170450	1.47E-02	2.45E-03	1.81E-03
3521	609361	4170447	1.43E-02	2.38E-03	1.76E-03
3522	609370.1	4170444	1.39E-02	2.31E-03	1.70E-03
3523	609379.2	4170441	1.34E-02	2.23E-03	1.64E-03
3524	609388.2	4170438	1.29E-02	2.14E-03	1.58E-03
3525	609397.3	4170435	1.23E-02	2.05E-03	1.51E-03
3526	609406.4	4170431	1.18E-02	1.96E-03	1.44E-03
3527	609415.5	4170428	1.12E-02	1.86E-03	1.37E-03
3528	609306.6	4170465	1.57E-02	2.61E-03	1.93E-03
3529	609298.9	4170471	1.61E-02	2.67E-03	1.97E-03
3530	609291.3	4170477	1.63E-02	2.71E-03	2.00E-03
3531	609283.6	4170483	1.65E-02	2.74E-03	2.02E-03

3532	609275.9	4170489	1.66E-02	2.75E-03	2.03E-03
3533	609268.3	4170495	1.65E-02	2.75E-03	2.03E-03
3534	609260.6	4170501	1.64E-02	2.73E-03	2.01E-03
3535	609253	4170507	1.62E-02	2.69E-03	1.99E-03
3536	609245.3	4170513	1.59E-02	2.64E-03	1.95E-03
3537	609237.6	4170519	1.55E-02	2.58E-03	1.90E-03
3538	609230	4170525	1.51E-02	2.50E-03	1.85E-03
3539	609222.3	4170531	1.45E-02	2.42E-03	1.78E-03
3540	609214.7	4170537	1.40E-02	2.32E-03	1.71E-03
3541	609207	4170542	1.33E-02	2.21E-03	1.63E-03
3542	609199.3	4170548	1.27E-02	2.10E-03	1.55E-03
3543	609191.7	4170554	1.20E-02	1.99E-03	1.47E-03
3544	609309.3	4170454	1.47E-02	2.44E-03	1.80E-03
3545	609318.2	4170451	1.46E-02	2.42E-03	1.79E-03
3546	609327.1	4170448	1.44E-02	2.39E-03	1.77E-03
3547	609335.9	4170445	1.42E-02	2.35E-03	1.74E-03
3548	609344.8	4170442	1.39E-02	2.30E-03	1.70E-03
3549	609353.7	4170439	1.35E-02	2.25E-03	1.66E-03
3550	609362.5	4170436	1.31E-02	2.18E-03	1.61E-03
3551	609371.4	4170433	1.27E-02	2.11E-03	1.56E-03
3552	609380.3	4170430	1.23E-02	2.04E-03	1.50E-03
3553	609300.4	4170457	1.48E-02	2.45E-03	1.81E-03
3554	609292.8	4170463	1.51E-02	2.50E-03	1.85E-03
3555	609285.1	4170469	1.53E-02	2.54E-03	1.87E-03
3556	609277.5	4170475	1.54E-02	2.57E-03	1.89E-03
3557	609269.8	4170481	1.55E-02	2.58E-03	1.90E-03
3558	609262.2	4170487	1.55E-02	2.58E-03	1.90E-03
3559	609254.5	4170493	1.54E-02	2.56E-03	1.89E-03
3560	609246.8	4170499	1.52E-02	2.53E-03	1.87E-03
3561	609239.2	4170505	1.50E-02	2.48E-03	1.83E-03
3562	609231.5	4170511	1.46E-02	2.43E-03	1.79E-03
3563	609223.9	4170517	1.42E-02	2.36E-03	1.74E-03
3564	609216.2	4170523	1.37E-02	2.28E-03	1.68E-03
3565	609208.5	4170529	1.32E-02	2.19E-03	1.62E-03
3566	609200.9	4170535	1.26E-02	2.10E-03	1.55E-03
3567	609193.2	4170541	1.20E-02	2.00E-03	1.48E-03
3568	609185.6	4170546	1.14E-02	1.90E-03	1.40E-03
3569	609303	4170446	1.38E-02	2.30E-03	1.69E-03
3570	609311.7	4170444	1.37E-02	2.28E-03	1.68E-03
3571	609320.4	4170441	1.36E-02	2.25E-03	1.66E-03
3572	609329.1	4170438	1.34E-02	2.22E-03	1.64E-03
3573	609337.8	4170435	1.31E-02	2.17E-03	1.61E-03
3574	609346.5	4170432	1.28E-02	2.12E-03	1.57E-03
3575	609355.2	4170429	1.25E-02	2.07E-03	1.53E-03
3576	609416	4170408	9.43E-03	1.57E-03	1.16E-03
3577	609294.3	4170449	1.39E-02	2.30E-03	1.70E-03
3578	609286.7	4170455	1.41E-02	2.35E-03	1.73E-03
3579	609279	4170461	1.44E-02	2.39E-03	1.76E-03
3580	609271.3	4170467	1.45E-02	2.41E-03	1.78E-03
3581	609263.7	4170473	1.46E-02	2.42E-03	1.79E-03
3582	609256	4170479	1.46E-02	2.42E-03	1.79E-03
3583	609248.4	4170485	1.45E-02	2.40E-03	1.77E-03

3584	609240.7	4170491	1.43E-02	2.38E-03	1.75E-03
3585	609233	4170497	1.41E-02	2.34E-03	1.73E-03
3586	609225.4	4170503	1.38E-02	2.29E-03	1.69E-03
3587	609217.7	4170509	1.34E-02	2.23E-03	1.64E-03
3588	609210.1	4170515	1.30E-02	2.16E-03	1.59E-03
3589	609202.4	4170521	1.25E-02	2.08E-03	1.53E-03
3590	609194.7	4170527	1.20E-02	1.99E-03	1.47E-03
3591	609187.1	4170533	1.15E-02	1.90E-03	1.40E-03
3592	609297.3	4170438	1.30E-02	2.16E-03	1.60E-03
3593	609306.4	4170435	1.29E-02	2.14E-03	1.58E-03
3594	609315.5	4170432	1.28E-02	2.12E-03	1.56E-03
3595	609324.6	4170429	1.25E-02	2.08E-03	1.54E-03
3596	609388.3	4170408	1.00E-02	1.67E-03	1.23E-03
3597	609397.4	4170405	9.61E-03	1.60E-03	1.18E-03
3598	609406.6	4170401	9.16E-03	1.52E-03	1.12E-03
3599	609415.7	4170398	8.71E-03	1.45E-03	1.07E-03
3600	609288.2	4170442	1.31E-02	2.17E-03	1.60E-03
3601	609280.5	4170447	1.33E-02	2.21E-03	1.63E-03
3602	609272.9	4170453	1.35E-02	2.24E-03	1.66E-03
3603	609265.2	4170459	1.36E-02	2.27E-03	1.67E-03
3604	609257.5	4170465	1.37E-02	2.28E-03	1.68E-03
3605	609249.9	4170471	1.37E-02	2.28E-03	1.68E-03
3606	609242.2	4170477	1.36E-02	2.26E-03	1.67E-03
3607	609234.6	4170483	1.35E-02	2.24E-03	1.65E-03
3608	609226.9	4170489	1.33E-02	2.21E-03	1.63E-03
3609	609219.3	4170495	1.30E-02	2.16E-03	1.59E-03
3610	609211.6	4170501	1.27E-02	2.11E-03	1.55E-03
3611	609203.9	4170507	1.23E-02	2.04E-03	1.51E-03
3612	609196.3	4170513	1.19E-02	1.97E-03	1.46E-03
3613	609291	4170431	1.23E-02	2.04E-03	1.51E-03
3614	609299.9	4170428	1.22E-02	2.02E-03	1.49E-03
3615	609362.4	4170406	1.04E-02	1.73E-03	1.28E-03
3616	609371.3	4170403	1.00E-02	1.67E-03	1.23E-03
3617	609380.2	4170400	9.65E-03	1.60E-03	1.18E-03
3618	609389.1	4170397	9.26E-03	1.54E-03	1.13E-03
3619	609398.1	4170394	8.85E-03	1.47E-03	1.09E-03
3620	609407	4170391	8.45E-03	1.40E-03	1.04E-03
3621	609415.9	4170388	8.05E-03	1.34E-03	9.87E-04
3622	609282.1	4170434	1.23E-02	2.05E-03	1.51E-03
3623	609274.4	4170440	1.26E-02	2.09E-03	1.54E-03
3624	609266.7	4170446	1.27E-02	2.12E-03	1.56E-03
3625	609259.1	4170451	1.29E-02	2.14E-03	1.58E-03
3626	609251.4	4170457	1.29E-02	2.15E-03	1.58E-03
3627	609243.8	4170463	1.29E-02	2.15E-03	1.58E-03
3628	609236.1	4170469	1.29E-02	2.14E-03	1.58E-03
3629	609228.4	4170475	1.27E-02	2.12E-03	1.56E-03
3630	609220.8	4170481	1.25E-02	2.08E-03	1.54E-03
3631	609213.1	4170487	1.23E-02	2.04E-03	1.51E-03
3632	609167.2	4170523	9.94E-03	1.65E-03	1.22E-03
3633	609337.3	4170405	1.05E-02	1.75E-03	1.29E-03
3634	609346	4170402	1.03E-02	1.70E-03	1.26E-03
3635	609354.8	4170399	9.94E-03	1.65E-03	1.22E-03

3636	609363.6	4170396	9.61E-03	1.60E-03	1.18E-03
3637	609372.3	4170393	9.27E-03	1.54E-03	1.14E-03
3638	609381.1	4170390	8.91E-03	1.48E-03	1.09E-03
3639	609389.9	4170387	8.55E-03	1.42E-03	1.05E-03
3640	609398.6	4170384	8.18E-03	1.36E-03	1.00E-03
3641	609407.4	4170381	7.81E-03	1.30E-03	9.58E-04
3642	609416.2	4170378	7.45E-03	1.24E-03	9.13E-04
3643	609268.3	4170432	1.19E-02	1.97E-03	1.46E-03
3644	609260.6	4170438	1.20E-02	2.00E-03	1.48E-03
3645	609252.9	4170444	1.22E-02	2.02E-03	1.49E-03
3646	609245.3	4170449	1.22E-02	2.03E-03	1.50E-03
3647	609237.6	4170455	1.22E-02	2.03E-03	1.50E-03
3648	609230	4170461	1.22E-02	2.02E-03	1.49E-03
3649	609222.3	4170467	1.20E-02	2.00E-03	1.48E-03
3650	609214.6	4170473	1.19E-02	1.97E-03	1.46E-03
3651	609168.7	4170509	9.94E-03	1.65E-03	1.22E-03
3652	609161	4170515	9.52E-03	1.58E-03	1.17E-03
3653	609306.3	4170405	1.06E-02	1.77E-03	1.30E-03
3654	609315.4	4170402	1.04E-02	1.73E-03	1.28E-03
3655	609324.6	4170399	1.02E-02	1.69E-03	1.25E-03
3656	609333.7	4170396	9.94E-03	1.65E-03	1.22E-03
3657	609342.8	4170393	9.66E-03	1.60E-03	1.18E-03
3658	609352	4170390	9.35E-03	1.55E-03	1.15E-03
3659	609361.1	4170387	9.03E-03	1.50E-03	1.11E-03
3660	609370.2	4170384	8.69E-03	1.44E-03	1.07E-03
3661	609379.3	4170381	8.34E-03	1.39E-03	1.02E-03
3662	609388.5	4170378	7.99E-03	1.33E-03	9.80E-04
3663	609397.6	4170375	7.64E-03	1.27E-03	9.36E-04
3664	609406.7	4170372	7.28E-03	1.21E-03	8.93E-04
3665	609415.9	4170368	6.93E-03	1.15E-03	8.50E-04
3666	609254.5	4170430	1.14E-02	1.89E-03	1.40E-03
3667	609246.8	4170436	1.15E-02	1.91E-03	1.41E-03
3668	609239.2	4170442	1.16E-02	1.92E-03	1.42E-03
3669	609231.5	4170448	1.16E-02	1.92E-03	1.42E-03
3670	609223.8	4170453	1.15E-02	1.91E-03	1.41E-03
3671	609216.2	4170459	1.14E-02	1.90E-03	1.40E-03
3672	609208.5	4170465	1.13E-02	1.87E-03	1.38E-03
3673	609177.9	4170489	1.02E-02	1.70E-03	1.25E-03
3674	609170.2	4170495	9.87E-03	1.64E-03	1.21E-03
3675	609162.6	4170501	9.50E-03	1.58E-03	1.17E-03
3676	609154.9	4170507	9.12E-03	1.51E-03	1.12E-03
3677	609281.6	4170404	1.04E-02	1.72E-03	1.27E-03
3678	609290.6	4170401	1.02E-02	1.70E-03	1.26E-03
3679	609299.5	4170398	1.01E-02	1.68E-03	1.24E-03
3680	609308.5	4170395	9.92E-03	1.65E-03	1.22E-03
3681	609317.5	4170392	9.72E-03	1.61E-03	1.19E-03
3682	609326.4	4170389	9.49E-03	1.58E-03	1.16E-03
3683	609335.4	4170386	9.23E-03	1.53E-03	1.13E-03
3684	609344.4	4170383	8.96E-03	1.49E-03	1.10E-03
3685	609353.3	4170380	8.67E-03	1.44E-03	1.06E-03
3686	609362.3	4170377	8.36E-03	1.39E-03	1.03E-03
3687	609371.3	4170374	8.05E-03	1.34E-03	9.87E-04

3688	609380.2	4170370	7.73E-03	1.28E-03	9.48E-04
3689	609389.2	4170367	7.41E-03	1.23E-03	9.08E-04
3690	609398.2	4170364	7.09E-03	1.18E-03	8.69E-04
3691	609407.1	4170361	6.77E-03	1.12E-03	8.30E-04
3692	609416.1	4170358	6.45E-03	1.07E-03	7.91E-04
3693	609240.7	4170428	1.09E-02	1.81E-03	1.34E-03
3694	609233	4170434	1.10E-02	1.82E-03	1.34E-03
3695	609225.4	4170440	1.10E-02	1.82E-03	1.34E-03
3696	609217.7	4170446	1.09E-02	1.81E-03	1.34E-03
3697	609210	4170452	1.08E-02	1.80E-03	1.33E-03
3698	609179.4	4170475	1.00E-02	1.67E-03	1.23E-03
3699	609171.8	4170481	9.75E-03	1.62E-03	1.20E-03
3700	609164.1	4170487	9.43E-03	1.57E-03	1.16E-03
3701	609156.4	4170493	9.10E-03	1.51E-03	1.12E-03
3702	609148.8	4170499	8.74E-03	1.45E-03	1.07E-03
3703	609266.4	4170399	9.90E-03	1.65E-03	1.21E-03
3704	609275.2	4170396	9.84E-03	1.63E-03	1.21E-03
3705	609284	4170393	9.74E-03	1.62E-03	1.19E-03
3706	609292.8	4170390	9.61E-03	1.60E-03	1.18E-03
3707	609301.6	4170387	9.45E-03	1.57E-03	1.16E-03
3708	609310.5	4170384	9.27E-03	1.54E-03	1.14E-03
3709	609319.3	4170381	9.06E-03	1.51E-03	1.11E-03
3710	609328.1	4170378	8.83E-03	1.47E-03	1.08E-03
3711	609336.9	4170375	8.59E-03	1.43E-03	1.05E-03
3712	609345.8	4170372	8.32E-03	1.38E-03	1.02E-03
3713	609354.6	4170369	8.05E-03	1.34E-03	9.87E-04
3714	609363.4	4170366	7.76E-03	1.29E-03	9.52E-04
3715	609372.2	4170363	7.47E-03	1.24E-03	9.16E-04
3716	609381	4170360	7.18E-03	1.19E-03	8.80E-04
3717	609389.9	4170357	6.89E-03	1.14E-03	8.44E-04
3718	609398.7	4170354	6.59E-03	1.09E-03	8.08E-04
3719	609407.5	4170351	6.30E-03	1.05E-03	7.73E-04
3720	609416.3	4170348	6.01E-03	9.99E-04	7.37E-04
3721	609257.5	4170402	9.94E-03	1.65E-03	1.22E-03
3722	609226.9	4170426	1.04E-02	1.73E-03	1.27E-03
3723	609219.2	4170432	1.04E-02	1.73E-03	1.28E-03
3724	609211.6	4170438	1.04E-02	1.72E-03	1.27E-03
3725	609180.9	4170461	9.80E-03	1.63E-03	1.20E-03
3726	609173.3	4170467	9.57E-03	1.59E-03	1.17E-03
3727	609165.6	4170473	9.31E-03	1.55E-03	1.14E-03
3728	609158	4170479	9.02E-03	1.50E-03	1.11E-03
3729	609150.3	4170485	8.71E-03	1.45E-03	1.07E-03
3730	609142.6	4170491	8.39E-03	1.39E-03	1.03E-03
3731	609260.5	4170391	9.42E-03	1.56E-03	1.15E-03
3732	609269.7	4170388	9.35E-03	1.55E-03	1.15E-03
3733	609278.8	4170385	9.26E-03	1.54E-03	1.13E-03
3734	609288	4170382	9.13E-03	1.52E-03	1.12E-03
3735	609297.1	4170379	8.98E-03	1.49E-03	1.10E-03
3736	609306.3	4170376	8.79E-03	1.46E-03	1.08E-03
3737	609315.4	4170372	8.59E-03	1.43E-03	1.05E-03
3738	609324.6	4170369	8.36E-03	1.39E-03	1.03E-03
3739	609333.7	4170366	8.12E-03	1.35E-03	9.96E-04

3740	609342.9	4170363	7.87E-03	1.31E-03	9.64E-04
3741	609352	4170360	7.60E-03	1.26E-03	9.32E-04
3742	609361.2	4170357	7.32E-03	1.22E-03	8.98E-04
3743	609370.3	4170354	7.04E-03	1.17E-03	8.63E-04
3744	609379.5	4170351	6.76E-03	1.12E-03	8.28E-04
3745	609388.6	4170348	6.47E-03	1.07E-03	7.93E-04
3746	609397.8	4170345	6.19E-03	1.03E-03	7.59E-04
3747	609406.9	4170342	5.91E-03	9.81E-04	7.24E-04
3748	609416.1	4170338	5.63E-03	9.36E-04	6.91E-04
3749	609251.4	4170394	9.46E-03	1.57E-03	1.16E-03
3750	609243.7	4170400	9.62E-03	1.60E-03	1.18E-03
3751	609236.1	4170406	9.74E-03	1.62E-03	1.19E-03
3752	609182.5	4170448	9.53E-03	1.58E-03	1.17E-03
3753	609174.8	4170454	9.35E-03	1.55E-03	1.15E-03
3754	609167.1	4170460	9.14E-03	1.52E-03	1.12E-03
3755	609159.5	4170465	8.90E-03	1.48E-03	1.09E-03
3756	609151.8	4170471	8.64E-03	1.43E-03	1.06E-03
3757	609144.2	4170477	8.35E-03	1.39E-03	1.02E-03
3758	609136.5	4170483	8.06E-03	1.34E-03	9.88E-04
3759	609254.3	4170383	8.97E-03	1.49E-03	1.10E-03
3760	609263.3	4170380	8.91E-03	1.48E-03	1.09E-03
3761	609272.3	4170377	8.83E-03	1.47E-03	1.08E-03
3762	609281.3	4170374	8.71E-03	1.45E-03	1.07E-03
3763	609290.3	4170371	8.57E-03	1.42E-03	1.05E-03
3764	609299.3	4170368	8.41E-03	1.40E-03	1.03E-03
3765	609308.3	4170365	8.23E-03	1.37E-03	1.01E-03
3766	609317.3	4170362	8.02E-03	1.33E-03	9.84E-04
3767	609326.3	4170359	7.80E-03	1.30E-03	9.57E-04
3768	609335.3	4170356	7.57E-03	1.26E-03	9.28E-04
3769	609344.3	4170353	7.33E-03	1.22E-03	8.98E-04
3770	609353.3	4170350	7.08E-03	1.18E-03	8.68E-04
3771	609362.3	4170347	6.82E-03	1.13E-03	8.36E-04
3772	609371.3	4170344	6.56E-03	1.09E-03	8.04E-04
3773	609380.3	4170341	6.30E-03	1.05E-03	7.72E-04
3774	609389.3	4170338	6.04E-03	1.00E-03	7.40E-04
3775	609398.3	4170334	5.78E-03	9.60E-04	7.08E-04
3776	609407.3	4170331	5.52E-03	9.18E-04	6.77E-04
3777	609416.3	4170328	5.28E-03	8.76E-04	6.47E-04
3778	609245.3	4170386	9.01E-03	1.50E-03	1.10E-03
3779	609237.6	4170392	9.16E-03	1.52E-03	1.12E-03
3780	609230	4170398	9.27E-03	1.54E-03	1.14E-03
3781	609222.3	4170404	9.36E-03	1.55E-03	1.15E-03
3782	609184	4170434	9.23E-03	1.53E-03	1.13E-03
3783	609176.3	4170440	9.09E-03	1.51E-03	1.11E-03
3784	609168.7	4170446	8.93E-03	1.48E-03	1.09E-03
3785	609161	4170452	8.74E-03	1.45E-03	1.07E-03
3786	609153.4	4170458	8.52E-03	1.42E-03	1.04E-03
3787	609145.7	4170463	8.28E-03	1.38E-03	1.01E-03
3788	609138	4170469	8.02E-03	1.33E-03	9.83E-04
3789	609130.4	4170475	7.74E-03	1.29E-03	9.49E-04
3790	609248	4170375	8.56E-03	1.42E-03	1.05E-03
3791	609256.9	4170372	8.50E-03	1.41E-03	1.04E-03

3792	609265.7	4170369	8.42E-03	1.40E-03	1.03E-03
3793	609274.6	4170366	8.32E-03	1.38E-03	1.02E-03
3794	609283.5	4170363	8.20E-03	1.36E-03	1.00E-03
3795	609292.4	4170360	8.05E-03	1.34E-03	9.87E-04
3796	609301.2	4170357	7.88E-03	1.31E-03	9.66E-04
3797	609310.1	4170354	7.70E-03	1.28E-03	9.44E-04
3798	609319	4170351	7.50E-03	1.25E-03	9.20E-04
3799	609327.8	4170348	7.29E-03	1.21E-03	8.94E-04
3800	609336.7	4170345	7.07E-03	1.17E-03	8.66E-04
3801	609345.6	4170342	6.84E-03	1.14E-03	8.38E-04
3802	609354.4	4170339	6.60E-03	1.10E-03	8.09E-04
3803	609363.3	4170336	6.36E-03	1.06E-03	7.80E-04
3804	609372.2	4170333	6.12E-03	1.02E-03	7.51E-04
3805	609381	4170330	5.88E-03	9.77E-04	7.21E-04
3806	609389.9	4170327	5.64E-03	9.37E-04	6.92E-04
3807	609398.8	4170324	5.41E-03	8.98E-04	6.63E-04
3808	609407.6	4170321	5.18E-03	8.60E-04	6.35E-04
3809	609416.5	4170318	4.95E-03	8.22E-04	6.07E-04
3810	609239.1	4170378	8.59E-03	1.43E-03	1.05E-03
3811	609231.5	4170384	8.73E-03	1.45E-03	1.07E-03
3812	609223.8	4170390	8.84E-03	1.47E-03	1.08E-03
3813	609216.2	4170396	8.92E-03	1.48E-03	1.09E-03
3814	609208.5	4170402	8.96E-03	1.49E-03	1.10E-03
3815	609177.9	4170426	8.81E-03	1.46E-03	1.08E-03
3816	609170.2	4170432	8.69E-03	1.44E-03	1.06E-03
3817	609162.5	4170438	8.54E-03	1.42E-03	1.05E-03
3818	609154.9	4170444	8.36E-03	1.39E-03	1.03E-03
3819	609147.2	4170450	8.16E-03	1.36E-03	1.00E-03
3820	609139.6	4170456	7.94E-03	1.32E-03	9.74E-04
3821	609131.9	4170462	7.70E-03	1.28E-03	9.44E-04
3822	609124.2	4170467	7.45E-03	1.24E-03	9.13E-04
3823	609242.2	4170367	8.17E-03	1.36E-03	1.00E-03
3824	609251.3	4170364	8.12E-03	1.35E-03	9.95E-04
3825	609260.5	4170361	8.04E-03	1.34E-03	9.86E-04
3826	609269.7	4170358	7.94E-03	1.32E-03	9.73E-04
3827	609278.8	4170355	7.81E-03	1.30E-03	9.58E-04
3828	609288	4170352	7.67E-03	1.27E-03	9.40E-04
3829	609297.2	4170349	7.51E-03	1.25E-03	9.20E-04
3830	609306.3	4170346	7.32E-03	1.22E-03	8.98E-04
3831	609315.5	4170343	7.13E-03	1.18E-03	8.74E-04
3832	609324.7	4170339	6.92E-03	1.15E-03	8.49E-04
3833	609333.8	4170336	6.71E-03	1.11E-03	8.22E-04
3834	609343	4170333	6.48E-03	1.08E-03	7.95E-04
3835	609352.1	4170330	6.25E-03	1.04E-03	7.67E-04
3836	609361.3	4170327	6.02E-03	1.00E-03	7.39E-04
3837	609370.5	4170324	5.79E-03	9.62E-04	7.10E-04
3838	609379.6	4170321	5.56E-03	9.23E-04	6.82E-04
3839	609388.8	4170318	5.33E-03	8.85E-04	6.53E-04
3840	609398	4170315	5.10E-03	8.47E-04	6.25E-04
3841	609407.1	4170312	4.88E-03	8.10E-04	5.98E-04
3842	609416.3	4170308	4.66E-03	7.75E-04	5.72E-04
3843	609233	4170370	8.20E-03	1.36E-03	1.01E-03

3844	609225.3	4170376	8.33E-03	1.38E-03	1.02E-03
3845	609217.7	4170382	8.44E-03	1.40E-03	1.03E-03
3846	609210	4170388	8.51E-03	1.41E-03	1.04E-03
3847	609202.4	4170394	8.55E-03	1.42E-03	1.05E-03
3848	609194.7	4170400	8.57E-03	1.42E-03	1.05E-03
3849	609164.1	4170424	8.31E-03	1.38E-03	1.02E-03
3850	609156.4	4170430	8.17E-03	1.36E-03	1.00E-03
3851	609148.8	4170436	8.01E-03	1.33E-03	9.82E-04
3852	609141.1	4170442	7.83E-03	1.30E-03	9.60E-04
3853	609133.4	4170448	7.62E-03	1.27E-03	9.35E-04
3854	609125.8	4170454	7.40E-03	1.23E-03	9.08E-04
3855	609118.1	4170460	7.17E-03	1.19E-03	8.79E-04
3856	609297.8	4170726	2.55E-02	4.23E-03	3.12E-03
3857	609281.1	4170698	2.59E-02	4.31E-03	3.18E-03
3858	609271.3	4170698	2.15E-02	3.58E-03	2.64E-03
3859	609277.5	4170685	2.68E-02	4.45E-03	3.29E-03
3860	609261.4	4170697	1.83E-02	3.04E-03	2.24E-03
3861	609267.9	4170684	2.24E-02	3.73E-03	2.75E-03
3862	609258.1	4170711	1.56E-02	2.59E-03	1.91E-03
3863	609251.1	4170698	1.56E-02	2.59E-03	1.91E-03
3864	609256.9	4170686	1.84E-02	3.06E-03	2.26E-03
3865	609262.7	4170674	2.18E-02	3.61E-03	2.67E-03
3866	609248.1	4170711	1.37E-02	2.27E-03	1.67E-03
3867	609241.2	4170697	1.37E-02	2.27E-03	1.68E-03
3868	609247.2	4170685	1.60E-02	2.66E-03	1.97E-03
3869	609253.2	4170673	1.88E-02	3.13E-03	2.31E-03
3870	609259.2	4170661	2.18E-02	3.62E-03	2.67E-03
3871	609238.1	4170711	1.21E-02	2.01E-03	1.49E-03
3872	609231.3	4170697	1.21E-02	2.02E-03	1.49E-03
3873	609237.5	4170685	1.41E-02	2.35E-03	1.73E-03
3874	609243.7	4170672	1.65E-02	2.74E-03	2.02E-03
3875	609249.8	4170660	1.91E-02	3.17E-03	2.34E-03
3876	609228.1	4170710	1.09E-02	1.81E-03	1.33E-03
3877	609221.4	4170697	1.09E-02	1.81E-03	1.34E-03
3878	609227.7	4170684	1.25E-02	2.08E-03	1.54E-03
3879	609234	4170671	1.45E-02	2.42E-03	1.78E-03
3880	609240.3	4170659	1.68E-02	2.79E-03	2.06E-03
3881	609246.7	4170646	1.91E-02	3.17E-03	2.34E-03
3882	609218.1	4170710	9.83E-03	1.63E-03	1.21E-03
3883	609211.4	4170696	9.84E-03	1.63E-03	1.21E-03
3884	609217.9	4170683	1.12E-02	1.87E-03	1.38E-03
3885	609224.3	4170671	1.29E-02	2.15E-03	1.59E-03
3886	609230.8	4170658	1.49E-02	2.47E-03	1.82E-03
3887	609237.2	4170645	1.69E-02	2.81E-03	2.08E-03
3888	609201.5	4170696	8.95E-03	1.49E-03	1.10E-03
3889	609208	4170683	1.01E-02	1.68E-03	1.24E-03
3890	609214.6	4170670	1.16E-02	1.93E-03	1.42E-03
3891	609221.1	4170657	1.33E-02	2.21E-03	1.63E-03
3892	609227.6	4170644	1.51E-02	2.51E-03	1.85E-03
3893	609234.2	4170631	1.69E-02	2.81E-03	2.08E-03
3894	609191.3	4170696	8.17E-03	1.36E-03	1.00E-03
3895	609197.5	4170684	9.11E-03	1.51E-03	1.12E-03

3896	609203.7	4170672	1.02E-02	1.70E-03	1.26E-03
3897	609209.9	4170659	1.16E-02	1.92E-03	1.42E-03
3898	609216	4170647	1.30E-02	2.17E-03	1.60E-03
3899	609222.2	4170634	1.46E-02	2.42E-03	1.79E-03
3900	609228.4	4170622	1.61E-02	2.67E-03	1.97E-03
3901	609187.8	4170724	7.16E-03	1.19E-03	8.78E-04
3902	609181.3	4170696	7.52E-03	1.25E-03	9.22E-04
3903	609187.6	4170683	8.34E-03	1.39E-03	1.02E-03
3904	609193.9	4170671	9.33E-03	1.55E-03	1.14E-03
3905	609200.2	4170658	1.05E-02	1.74E-03	1.29E-03
3906	609206.5	4170646	1.18E-02	1.96E-03	1.45E-03
3907	609212.8	4170633	1.32E-02	2.19E-03	1.62E-03
3908	609219	4170621	1.46E-02	2.42E-03	1.79E-03
3909	609177.8	4170724	6.65E-03	1.10E-03	8.15E-04
3910	609177.8	4170683	7.68E-03	1.28E-03	9.41E-04
3911	609184.1	4170670	8.55E-03	1.42E-03	1.05E-03
3912	609190.5	4170658	9.57E-03	1.59E-03	1.17E-03
3913	609196.9	4170645	1.07E-02	1.78E-03	1.31E-03
3914	609203.2	4170632	1.19E-02	1.98E-03	1.46E-03
3915	609209.6	4170619	1.32E-02	2.20E-03	1.62E-03
3916	609216	4170607	1.44E-02	2.40E-03	1.77E-03
3917	609167.8	4170724	6.19E-03	1.03E-03	7.59E-04
3918	609167.9	4170683	7.09E-03	1.18E-03	8.70E-04
3919	609174.3	4170670	7.86E-03	1.31E-03	9.64E-04
3920	609180.8	4170657	8.77E-03	1.46E-03	1.07E-03
3921	609187.2	4170644	9.79E-03	1.63E-03	1.20E-03
3922	609193.7	4170631	1.09E-02	1.81E-03	1.34E-03
3923	609200.1	4170618	1.20E-02	2.00E-03	1.48E-03
3924	609206.5	4170605	1.32E-02	2.19E-03	1.62E-03
3925	609157.8	4170724	5.78E-03	9.60E-04	7.08E-04
3926	609158	4170682	6.58E-03	1.09E-03	8.07E-04
3927	609164.5	4170669	7.27E-03	1.21E-03	8.91E-04
3928	609171	4170656	8.07E-03	1.34E-03	9.89E-04
3929	609177.5	4170643	8.98E-03	1.49E-03	1.10E-03
3930	609184	4170630	9.97E-03	1.66E-03	1.22E-03
3931	609190.5	4170617	1.10E-02	1.83E-03	1.35E-03
3932	609197.1	4170604	1.21E-02	2.00E-03	1.48E-03
3933	609148.1	4170709	5.63E-03	9.36E-04	6.91E-04
3934	609147.8	4170724	5.41E-03	8.99E-04	6.63E-04
3935	609178.9	4170620	9.81E-03	1.63E-03	1.20E-03
3936	609185.2	4170608	1.07E-02	1.78E-03	1.32E-03
3937	609137.8	4170724	5.08E-03	8.44E-04	6.23E-04
3938	609121.4	4170695	4.93E-03	8.19E-04	6.04E-04
3939	609134.2	4170669	5.79E-03	9.62E-04	7.10E-04
3940	609185.3	4170567	1.14E-02	1.89E-03	1.39E-03
3941	609118.1	4170709	4.67E-03	7.75E-04	5.72E-04
3942	609111.4	4170695	4.64E-03	7.71E-04	5.69E-04
3943	609124.3	4170669	5.43E-03	9.01E-04	6.65E-04
3944	609130.8	4170656	5.92E-03	9.83E-04	7.26E-04
3945	609137.2	4170643	6.47E-03	1.08E-03	7.94E-04
3946	609143.7	4170630	7.09E-03	1.18E-03	8.70E-04
3947	609150.1	4170617	7.76E-03	1.29E-03	9.52E-04

3948	609156.6	4170604	8.47E-03	1.41E-03	1.04E-03
3949	609163	4170592	9.19E-03	1.53E-03	1.13E-03
3950	609108.1	4170708	4.41E-03	7.32E-04	5.40E-04
3951	609107.8	4170723	4.27E-03	7.09E-04	5.23E-04
3952	609101.5	4170694	4.38E-03	7.28E-04	5.37E-04
3953	609114.5	4170668	5.09E-03	8.46E-04	6.25E-04
3954	609120.9	4170655	5.54E-03	9.21E-04	6.80E-04
3955	609127.4	4170642	6.05E-03	1.00E-03	7.42E-04
3956	609133.9	4170629	6.61E-03	1.10E-03	8.10E-04
3957	609140.4	4170616	7.22E-03	1.20E-03	8.85E-04
3958	609146.9	4170603	7.87E-03	1.31E-03	9.64E-04
3959	609153.4	4170591	8.53E-03	1.42E-03	1.05E-03
3960	609098.1	4170708	4.17E-03	6.93E-04	5.11E-04
3961	609097.8	4170723	4.05E-03	6.72E-04	4.96E-04
3962	609091.5	4170694	4.15E-03	6.89E-04	5.09E-04
3963	609111.1	4170655	5.20E-03	8.64E-04	6.38E-04
3964	609117.7	4170642	5.66E-03	9.41E-04	6.95E-04
3965	609124.2	4170629	6.17E-03	1.03E-03	7.57E-04
3966	609130.8	4170616	6.73E-03	1.12E-03	8.25E-04
3967	609137.3	4170603	7.32E-03	1.22E-03	8.98E-04
3968	609143.8	4170590	7.94E-03	1.32E-03	9.73E-04
3969	609088.1	4170708	3.95E-03	6.57E-04	4.85E-04
3970	609087.8	4170723	3.84E-03	6.38E-04	4.71E-04
3971	609081.4	4170694	3.93E-03	6.53E-04	4.82E-04
3972	609087.7	4170681	4.19E-03	6.96E-04	5.14E-04
3973	609100.4	4170656	4.85E-03	8.05E-04	5.94E-04
3974	609106.8	4170643	5.25E-03	8.72E-04	6.43E-04
3975	609113.2	4170631	5.68E-03	9.44E-04	6.97E-04
3976	609119.5	4170618	6.16E-03	1.02E-03	7.56E-04
3977	609125.9	4170605	6.68E-03	1.11E-03	8.20E-04
3978	609132.2	4170593	7.23E-03	1.20E-03	8.86E-04
3979	609138.6	4170580	7.78E-03	1.29E-03	9.54E-04
3980	609151.3	4170555	8.85E-03	1.47E-03	1.09E-03
3981	609157.6	4170542	9.33E-03	1.55E-03	1.14E-03
3982	609078.1	4170708	3.76E-03	6.24E-04	4.60E-04
3983	609077.8	4170723	3.65E-03	6.07E-04	4.48E-04
3984	609071.4	4170694	3.73E-03	6.20E-04	4.58E-04
3985	609077.8	4170681	3.98E-03	6.60E-04	4.87E-04
3986	609090.6	4170656	4.58E-03	7.60E-04	5.61E-04
3987	609097	4170643	4.94E-03	8.20E-04	6.06E-04
3988	609103.4	4170630	5.34E-03	8.87E-04	6.55E-04
3989	609109.8	4170617	5.78E-03	9.60E-04	7.09E-04
3990	609116.2	4170604	6.26E-03	1.04E-03	7.67E-04
3991	609122.6	4170592	6.76E-03	1.12E-03	8.29E-04
3992	609129	4170579	7.28E-03	1.21E-03	8.92E-04
3993	609148.2	4170540	8.75E-03	1.45E-03	1.07E-03
3994	609154.6	4170528	9.16E-03	1.52E-03	1.12E-03
3995	609068.1	4170708	3.57E-03	5.94E-04	4.38E-04
3996	609067.8	4170722	3.48E-03	5.78E-04	4.27E-04
3997	609061.4	4170694	3.55E-03	5.90E-04	4.36E-04
3998	609067.9	4170681	3.78E-03	6.27E-04	4.63E-04
3999	609080.8	4170655	4.33E-03	7.19E-04	5.31E-04

4000	609087.2	4170642	4.66E-03	7.74E-04	5.71E-04
4001	609093.7	4170629	5.03E-03	8.36E-04	6.17E-04
4002	609100.1	4170616	5.43E-03	9.03E-04	6.66E-04
4003	609106.6	4170604	5.87E-03	9.76E-04	7.20E-04
4004	609113	4170591	6.34E-03	1.05E-03	7.77E-04
4005	609119.4	4170578	6.82E-03	1.13E-03	8.36E-04
4006	609138.8	4170539	8.21E-03	1.36E-03	1.01E-03
4007	609145.2	4170526	8.61E-03	1.43E-03	1.06E-03
4008	609058.1	4170708	3.41E-03	5.66E-04	4.18E-04
4009	609057.8	4170722	3.32E-03	5.52E-04	4.07E-04
4010	609051.5	4170694	3.39E-03	5.63E-04	4.15E-04
4011	609057.9	4170681	3.59E-03	5.97E-04	4.41E-04
4012	609077.4	4170642	4.41E-03	7.32E-04	5.40E-04
4013	609083.9	4170629	4.75E-03	7.88E-04	5.82E-04
4014	609090.4	4170616	5.12E-03	8.50E-04	6.28E-04
4015	609096.9	4170603	5.52E-03	9.18E-04	6.77E-04
4016	609103.4	4170590	5.95E-03	9.89E-04	7.30E-04
4017	609109.8	4170577	6.40E-03	1.06E-03	7.85E-04
4018	609129.3	4170538	7.71E-03	1.28E-03	9.46E-04
4019	609135.8	4170525	8.10E-03	1.35E-03	9.94E-04
4020	609142.3	4170512	8.45E-03	1.40E-03	1.04E-03
4021	609048.1	4170707	3.25E-03	5.40E-04	3.99E-04
4022	609047.8	4170722	3.17E-03	5.27E-04	3.89E-04
4023	609041.5	4170693	3.23E-03	5.37E-04	3.97E-04
4024	609048	4170680	3.43E-03	5.69E-04	4.20E-04
4025	609054.5	4170667	3.64E-03	6.05E-04	4.47E-04
4026	609067.6	4170641	4.18E-03	6.94E-04	5.12E-04
4027	609074.1	4170628	4.49E-03	7.46E-04	5.50E-04
4028	609080.6	4170615	4.83E-03	8.03E-04	5.93E-04
4029	609087.2	4170602	5.20E-03	8.65E-04	6.38E-04
4030	609093.7	4170589	5.60E-03	9.30E-04	6.87E-04
4031	609100.2	4170576	6.01E-03	9.99E-04	7.37E-04
4032	609119.8	4170537	7.25E-03	1.21E-03	8.90E-04
4033	609126.3	4170524	7.63E-03	1.27E-03	9.36E-04
4034	609132.9	4170511	7.97E-03	1.32E-03	9.77E-04
4035	609038.1	4170707	3.11E-03	5.16E-04	3.81E-04
4036	609037.8	4170722	3.04E-03	5.04E-04	3.72E-04
4037	609031.5	4170693	3.09E-03	5.14E-04	3.79E-04
4038	609038.1	4170680	3.27E-03	5.43E-04	4.01E-04
4039	609044.6	4170667	3.47E-03	5.77E-04	4.26E-04
4040	609057.8	4170641	3.96E-03	6.59E-04	4.86E-04
4041	609064.3	4170628	4.25E-03	7.07E-04	5.22E-04
4042	609070.9	4170614	4.57E-03	7.59E-04	5.60E-04
4043	609077.4	4170601	4.91E-03	8.16E-04	6.02E-04
4044	609084	4170588	5.28E-03	8.77E-04	6.47E-04
4045	609090.6	4170575	5.66E-03	9.40E-04	6.94E-04
4046	609097.1	4170562	6.05E-03	1.01E-03	7.42E-04
4047	609110.3	4170536	6.83E-03	1.13E-03	8.38E-04
4048	609116.8	4170523	7.19E-03	1.20E-03	8.82E-04
4049	609123.4	4170510	7.53E-03	1.25E-03	9.23E-04
4050	609129.9	4170496	7.82E-03	1.30E-03	9.58E-04
4051	609028.1	4170707	2.97E-03	4.94E-04	3.65E-04

4052	609027.8	4170722	2.91E-03	4.83E-04	3.57E-04
4053	609047.1	4170642	3.74E-03	6.21E-04	4.58E-04
4054	609053.5	4170629	3.99E-03	6.63E-04	4.90E-04
4055	609059.9	4170616	4.27E-03	7.10E-04	5.24E-04
4056	609066.3	4170603	4.58E-03	7.60E-04	5.61E-04
4057	609072.7	4170591	4.90E-03	8.14E-04	6.01E-04
4058	609079.1	4170578	5.24E-03	8.71E-04	6.43E-04
4059	609085.5	4170565	5.59E-03	9.29E-04	6.86E-04
4060	609104.7	4170527	6.66E-03	1.11E-03	8.16E-04
4061	609111.2	4170514	6.98E-03	1.16E-03	8.56E-04
4062	609117.6	4170501	7.28E-03	1.21E-03	8.92E-04
4063	609124	4170488	7.53E-03	1.25E-03	9.23E-04
4064	609017.8	4170722	2.79E-03	4.63E-04	3.42E-04
4065	609069.5	4170577	4.96E-03	8.24E-04	6.08E-04
4066	609075.9	4170564	5.29E-03	8.78E-04	6.48E-04
4067	609095.2	4170525	6.29E-03	1.04E-03	7.71E-04
4068	609101.7	4170513	6.60E-03	1.10E-03	8.09E-04
4069	609108.1	4170500	6.89E-03	1.14E-03	8.45E-04
4070	609114.6	4170487	7.14E-03	1.19E-03	8.76E-04
4071	609001.5	4170693	2.72E-03	4.52E-04	3.34E-04
4072	609007.9	4170680	2.86E-03	4.75E-04	3.51E-04
4073	609014.4	4170667	3.02E-03	5.01E-04	3.70E-04
4074	609085.7	4170524	5.95E-03	9.88E-04	7.30E-04
4075	609092.2	4170511	6.25E-03	1.04E-03	7.66E-04
4076	609098.7	4170498	6.53E-03	1.08E-03	8.00E-04
4077	609105.2	4170485	6.78E-03	1.13E-03	8.31E-04
4078	609111.6	4170473	6.99E-03	1.16E-03	8.57E-04
4079	608998.1	4170706	2.63E-03	4.36E-04	3.22E-04

			T2			T2L3			T4f			
			2820	609500.26								
					4.84E-07				8.17E-08			5.60E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	
1	609307.7	4170737	6.76E-08	3.01E-08	9.77E-08	1.12E-08	5.25E-09	1.65E-08	8.29E-09	3.00E-09	1.13E-08	
2	609317.6	4170737	8.28E-08	3.69E-08	1.20E-07	1.38E-08	6.44E-09	2.02E-08	1.02E-08	3.68E-09	1.38E-08	
3	609327.4	4170737	1.07E-07	4.75E-08	1.54E-07	1.77E-08	8.30E-09	2.60E-08	1.31E-08	4.74E-09	1.78E-08	
4	609337.3	4170737	1.44E-07	6.41E-08	2.08E-07	2.39E-08	1.12E-08	3.51E-08	1.77E-08	6.40E-09	2.41E-08	
5	609347.1	4170737	1.94E-07	8.63E-08	2.80E-07	3.22E-08	1.51E-08	4.73E-08	2.38E-08	8.60E-09	3.24E-08	
6	609357	4170737	2.44E-07	1.09E-07	3.53E-07	4.05E-08	1.90E-08	5.95E-08	2.99E-08	1.08E-08	4.07E-08	
7	609366.8	4170737	2.86E-07	1.27E-07	4.13E-07	4.74E-08	2.22E-08	6.96E-08	3.50E-08	1.27E-08	4.77E-08	
8	609376.7	4170737	3.20E-07	1.42E-07	4.62E-07	5.31E-08	2.48E-08	7.79E-08	3.92E-08	1.42E-08	5.34E-08	
9	609386.5	4170737	3.48E-07	1.55E-07	5.04E-07	5.79E-08	2.71E-08	8.50E-08	4.27E-08	1.55E-08	5.82E-08	
10	609396.3	4170737	3.76E-07	1.67E-07	5.43E-07	6.24E-08	2.92E-08	9.16E-08	4.61E-08	1.67E-08	6.28E-08	
11	609406.2	4170737	4.00E-07	1.78E-07	5.78E-07	6.64E-08	3.11E-08	9.75E-08	4.90E-08	1.77E-08	6.68E-08	
12	609416	4170737	4.20E-07	1.87E-07	6.07E-07	6.98E-08	3.26E-08	1.02E-07	5.15E-08	1.86E-08	7.01E-08	
13	609425.9	4170737	4.35E-07	1.94E-07	6.29E-07	7.23E-08	3.38E-08	1.06E-07	5.34E-08	1.93E-08	7.27E-08	
14	609435.7	4170737	4.49E-07	2.00E-07	6.49E-07	7.46E-08	3.49E-08	1.10E-07	5.51E-08	1.99E-08	7.50E-08	
15	609445.6	4170737	4.61E-07	2.05E-07	6.66E-07	7.65E-08	3.58E-08	1.12E-07	5.65E-08	2.05E-08	7.69E-08	
16	609455.4	4170737	4.71E-07	2.10E-07	6.80E-07	7.82E-08	3.66E-08	1.15E-07	5.77E-08	2.09E-08	7.86E-08	
17	609465.2	4170737	4.80E-07	2.14E-07	6.93E-07	7.97E-08	3.73E-08	1.17E-07	5.88E-08	2.13E-08	8.01E-08	
18	609475.1	4170737	4.87E-07	2.17E-07	7.04E-07	8.09E-08	3.79E-08	1.19E-07	5.97E-08	2.16E-08	8.14E-08	
19	609484.9	4170737	4.93E-07	2.20E-07	7.13E-07	8.20E-08	3.83E-08	1.20E-07	6.05E-08	2.19E-08	8.24E-08	
20	609494.8	4170737	4.98E-07	2.22E-07	7.20E-07	8.27E-08	3.87E-08	1.21E-07	6.11E-08	2.21E-08	8.32E-08	
21	609504.6	4170737	5.02E-07	2.24E-07	7.26E-07	8.35E-08	3.90E-08	1.22E-07	6.16E-08	2.23E-08	8.39E-08	
22	609514.5	4170737	5.09E-07	2.26E-07	7.35E-07	8.45E-08	3.95E-08	1.24E-07	6.24E-08	2.26E-08	8.49E-08	
23	609524.3	4170737	5.13E-07	2.28E-07	7.42E-07	8.53E-08	3.99E-08	1.25E-07	6.29E-08	2.28E-08	8.57E-08	
24	609534.1	4170738	5.16E-07	2.30E-07	7.46E-07	8.57E-08	4.01E-08	1.26E-07	6.33E-08	2.29E-08	8.62E-08	
25	609544	4170738	5.14E-07	2.29E-07	7.43E-07	8.55E-08	4.00E-08	1.25E-07	6.31E-08	2.28E-08	8.59E-08	
26	609553.8	4170738	5.11E-07	2.27E-07	7.38E-07	8.49E-08	3.97E-08	1.25E-07	6.26E-08	2.27E-08	8.53E-08	
27	609563.7	4170738	5.05E-07	2.25E-07	7.30E-07	8.40E-08	3.93E-08	1.23E-07	6.20E-08	2.24E-08	8.44E-08	
28	609573.5	4170738	4.97E-07	2.21E-07	7.18E-07	8.25E-08	3.86E-08	1.21E-07	6.09E-08	2.20E-08	8.29E-08	
29	609583.4	4170738	4.84E-07	2.15E-07	6.99E-07	8.03E-08	3.76E-08	1.18E-07	5.93E-08	2.15E-08	8.08E-08	
30	609593.2	4170738	4.62E-07	2.06E-07	6.68E-07	7.68E-08	3.59E-08	1.13E-07	5.67E-08	2.05E-08	7.72E-08	
31	609300.6	4170744	5.41E-08	2.41E-08	7.81E-08	8.98E-09	4.20E-09	1.32E-08	6.63E-09	2.40E-09	9.03E-09	
32	609290.6	4170733	5.29E-08	2.36E-08	7.65E-08	8.79E-09	4.11E-09	1.29E-08	6.49E-09	2.35E-09	8.84E-09	
33	609317.5	4170747	6.84E-08	3.04E-08	9.89E-08	1.14E-08	5.32E-09	1.67E-08	8.39E-09	3.04E-09	1.14E-08	
34	609327.4	4170747	8.37E-08	3.73E-08	1.21E-07	1.39E-08	6.51E-09	2.04E-08	1.03E-08	3.72E-09	1.40E-08	
35	609337.2	4170747	1.05E-07	4.69E-08	1.52E-07	1.75E-08	8.19E-09	2.57E-08	1.29E-08	4.68E-09	1.76E-08	
36	609347.1	4170747	1.33E-07	5.92E-08	1.92E-07	2.21E-08	1.03E-08	3.24E-08	1.63E-08	5.90E-09	2.22E-08	
37	609356.9	4170747	1.63E-07	7.24E-08	2.35E-07	2.70E-08	1.26E-08	3.97E-08	2.00E-08	7.22E-09	2.72E-08	
38	609366.8	4170747	1.91E-07	8.50E-08	2.76E-07	3.17E-08	1.48E-08	4.66E-08	2.34E-08	8.48E-09	3.19E-08	
39	609376.6	4170747	2.16E-07	9.62E-08	3.12E-07	3.59E-08	1.68E-08	5.27E-08	2.65E-08	9.59E-09	3.61E-08	
40	609386.5	4170747	2.39E-07	1.06E-07	3.45E-07	3.96E-08	1.85E-08	5.82E-08	2.93E-08	1.06E-08	3.98E-08	
41	609396.3	4170747	2.59E-07	1.15E-07	3.75E-07	4.31E-08	2.02E-08	6.32E-08	3.18E-08	1.15E-08	4.33E-08	
42	609406.1	4170747	2.78E-07	1.24E-07	4.01E-07	4.61E-08	2.16E-08	6.77E-08	3.40E-08	1.23E-08	4.64E-08	
43	609416	4170747	2.94E-07	1.31E-07	4.25E-07	4.88E-08	2.28E-08	7.17E-08	3.60E-08	1.30E-08	4.91E-08	
44	609425.8	4170747	3.08E-07	1.37E-07	4.45E-07	5.11E-08	2.39E-08	7.50E-08	3.77E-08	1.37E-08	5.14E-08	
45	609435.7	4170747	3.20E-07	1.42E-07	4.62E-07	5.32E-08	2.49E-08	7.80E-08	3.92E-08	1.42E-08	5.34E-08	
46	609445.5	4170747	3.31E-07	1.47E-07	4.78E-07	5.50E-08	2.57E-08	8.07E-08	4.06E-08	1.47E-08	5.52E-08	
47	609455.4	4170747	3.40E-07	1.51E-07	4.91E-07	5.65E-08	2.64E-08	8.29E-08	4.17E-08	1.51E-08	5.68E-08	
48	609465.2	4170747	3.48E-07	1.55E-07	5.03E-07	5.78E-08	2.71E-08	8.49E-08	4.27E-08	1.55E-08	5.81E-08	
49	609475	4170747	3.55E-07	1.58E-07	5.13E-07	5.90E-08	2.76E-08	8.66E-08	4.35E-08	1.58E-08	5.93E-08	
50	609484.9	4170747	3.61E-07	1.61E-07	5.22E-07	6.00E-08	2.81E-08	8.81E-08	4.43E-08	1.60E-08	6.03E-08	
51	609494.7	4170747	3.66E-07	1.63E-07	5.29E-07	6.08E-08	2.84E-08	8.93E-08	4.49E-08	1.63E-08	6.11E-08	
52	609504.6	4170747	3.70E-07	1.65E-07	5.35E-07	6.15E-08	2.88E-08	9.03E-08	4.54E-08	1.64E-08	6.18E-08	

53	609514.4	4170747	3.74E-07	1.66E-07	5.41E-07	6.21E-08	2.91E-08	9.12E-08	4.59E-08	1.66E-08	6.25E-08
54	609524.3	4170747	3.77E-07	1.68E-07	5.45E-07	6.26E-08	2.93E-08	9.19E-08	4.62E-08	1.67E-08	6.29E-08
55	609534.1	4170748	3.78E-07	1.68E-07	5.47E-07	6.29E-08	2.94E-08	9.23E-08	4.64E-08	1.68E-08	6.32E-08
56	609543.9	4170748	3.78E-07	1.68E-07	5.47E-07	6.29E-08	2.94E-08	9.23E-08	4.64E-08	1.68E-08	6.32E-08
57	609553.8	4170748	3.77E-07	1.68E-07	5.45E-07	6.26E-08	2.93E-08	9.19E-08	4.62E-08	1.67E-08	6.30E-08
58	609563.6	4170748	3.74E-07	1.66E-07	5.40E-07	6.21E-08	2.91E-08	9.12E-08	4.59E-08	1.66E-08	6.25E-08
59	609573.5	4170748	3.68E-07	1.64E-07	5.32E-07	6.12E-08	2.86E-08	8.98E-08	4.52E-08	1.64E-08	6.15E-08
60	609583.3	4170748	3.60E-07	1.60E-07	5.20E-07	5.98E-08	2.80E-08	8.78E-08	4.41E-08	1.60E-08	6.01E-08
61	609593.2	4170748	3.47E-07	1.54E-07	5.01E-07	5.76E-08	2.69E-08	8.45E-08	4.25E-08	1.54E-08	5.79E-08
62	609300.6	4170754	4.75E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.92E-09
63	609283.5	4170740	4.41E-08	1.96E-08	6.38E-08	7.33E-09	3.43E-09	1.08E-08	5.41E-09	1.96E-09	7.37E-09
64	609317.5	4170757	5.80E-08	2.58E-08	8.38E-08	9.63E-09	4.50E-09	1.41E-08	7.11E-09	2.57E-09	9.68E-09
65	609327.3	4170757	6.84E-08	3.05E-08	9.89E-08	1.14E-08	5.32E-09	1.67E-08	8.39E-09	3.04E-09	1.14E-08
66	609356.9	4170757	1.18E-07	5.27E-08	1.71E-07	1.97E-08	9.21E-09	2.89E-08	1.45E-08	5.26E-09	1.98E-08
67	609366.7	4170757	1.38E-07	6.13E-08	1.99E-07	2.29E-08	1.07E-08	3.36E-08	1.69E-08	6.11E-09	2.30E-08
68	609376.6	4170757	1.56E-07	6.95E-08	2.26E-07	2.59E-08	1.21E-08	3.81E-08	1.91E-08	6.93E-09	2.61E-08
69	609386.4	4170757	1.73E-07	7.70E-08	2.50E-07	2.88E-08	1.34E-08	4.22E-08	2.12E-08	7.68E-09	2.89E-08
70	609396.2	4170757	1.89E-07	8.40E-08	2.73E-07	3.14E-08	1.47E-08	4.60E-08	2.32E-08	8.38E-09	3.15E-08
71	609406.1	4170757	2.03E-07	9.04E-08	2.93E-07	3.37E-08	1.58E-08	4.95E-08	2.49E-08	9.01E-09	3.39E-08
72	609415.9	4170757	2.16E-07	9.62E-08	3.12E-07	3.59E-08	1.68E-08	5.27E-08	2.65E-08	9.59E-09	3.61E-08
73	609425.8	4170757	2.28E-07	1.02E-07	3.30E-07	3.79E-08	1.77E-08	5.56E-08	2.80E-08	1.01E-08	3.81E-08
74	609435.6	4170757	2.39E-07	1.06E-07	3.45E-07	3.97E-08	1.86E-08	5.83E-08	2.93E-08	1.06E-08	3.99E-08
75	609445.5	4170757	2.49E-07	1.11E-07	3.59E-07	4.13E-08	1.93E-08	6.06E-08	3.05E-08	1.10E-08	4.15E-08
76	609455.3	4170757	2.57E-07	1.14E-07	3.71E-07	4.26E-08	2.00E-08	6.26E-08	3.15E-08	1.14E-08	4.29E-08
77	609465.2	4170757	2.64E-07	1.17E-07	3.81E-07	4.39E-08	2.05E-08	6.44E-08	3.24E-08	1.17E-08	4.41E-08
78	609475	4170757	2.70E-07	1.20E-07	3.91E-07	4.49E-08	2.10E-08	6.59E-08	3.31E-08	1.20E-08	4.51E-08
79	609484.8	4170757	2.76E-07	1.23E-07	3.99E-07	4.58E-08	2.14E-08	6.72E-08	3.38E-08	1.22E-08	4.61E-08
80	609494.7	4170757	2.80E-07	1.25E-07	4.05E-07	4.66E-08	2.18E-08	6.84E-08	3.44E-08	1.24E-08	4.68E-08
81	609504.5	4170757	2.84E-07	1.26E-07	4.11E-07	4.72E-08	2.21E-08	6.93E-08	3.48E-08	1.26E-08	4.75E-08
82	609514.4	4170757	2.87E-07	1.28E-07	4.15E-07	4.77E-08	2.23E-08	7.01E-08	3.52E-08	1.28E-08	4.80E-08
83	609524.2	4170757	2.90E-07	1.29E-07	4.19E-07	4.81E-08	2.25E-08	7.06E-08	3.55E-08	1.29E-08	4.84E-08
84	609534.1	4170758	2.91E-07	1.30E-07	4.21E-07	4.84E-08	2.26E-08	7.10E-08	3.57E-08	1.29E-08	4.86E-08
85	609543.9	4170758	2.92E-07	1.30E-07	4.22E-07	4.85E-08	2.27E-08	7.12E-08	3.58E-08	1.30E-08	4.88E-08
86	609553.7	4170758	2.92E-07	1.30E-07	4.21E-07	4.84E-08	2.27E-08	7.11E-08	3.58E-08	1.29E-08	4.87E-08
87	609563.6	4170758	2.90E-07	1.29E-07	4.19E-07	4.82E-08	2.25E-08	7.07E-08	3.56E-08	1.29E-08	4.84E-08
88	609573.4	4170758	2.86E-07	1.27E-07	4.14E-07	4.76E-08	2.23E-08	6.98E-08	3.51E-08	1.27E-08	4.78E-08
89	609583.3	4170758	2.81E-07	1.25E-07	4.06E-07	4.67E-08	2.18E-08	6.85E-08	3.44E-08	1.25E-08	4.69E-08
90	609593.1	4170758	2.72E-07	1.21E-07	3.93E-07	4.52E-08	2.11E-08	6.64E-08	3.34E-08	1.21E-08	4.54E-08
91	609300.5	4170764	4.21E-08	1.87E-08	6.08E-08	6.99E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
92	609286.3	4170757	3.83E-08	1.71E-08	5.54E-08	6.37E-09	2.98E-09	9.35E-09	4.70E-09	1.70E-09	6.40E-09
93	609276.4	4170747	3.78E-08	1.68E-08	5.46E-08	6.27E-09	2.94E-09	9.21E-09	4.63E-09	1.68E-09	6.31E-09
94	609317.5	4170767	5.01E-08	2.23E-08	7.23E-08	8.31E-09	3.89E-09	1.22E-08	6.14E-09	2.22E-09	8.36E-09
95	609327.3	4170767	5.76E-08	2.56E-08	8.33E-08	9.57E-09	4.48E-09	1.40E-08	7.06E-09	2.56E-09	9.62E-09
96	609298.7	4170773	3.73E-08	1.66E-08	5.39E-08	6.20E-09	2.90E-09	9.10E-09	4.58E-09	1.66E-09	6.23E-09
97	609289.8	4170769	3.55E-08	1.58E-08	5.13E-08	5.89E-09	2.76E-09	8.65E-09	4.35E-09	1.58E-09	5.93E-09
98	609280.9	4170765	3.37E-08	1.50E-08	4.87E-08	5.60E-09	2.62E-09	8.22E-09	4.14E-09	1.50E-09	5.63E-09
99	609268.5	4170753	3.32E-08	1.48E-08	4.80E-08	5.51E-09	2.58E-09	8.09E-09	4.07E-09	1.47E-09	5.54E-09
100	609264.9	4170744	3.42E-08	1.52E-08	4.95E-08	5.69E-09	2.66E-09	8.35E-09	4.20E-09	1.52E-09	5.72E-09
101	609307.6	4170777	3.93E-08	1.75E-08	5.68E-08	6.53E-09	3.05E-09	9.58E-09	4.82E-09	1.74E-09	6.56E-09
102	609317.4	4170777	4.39E-08	1.95E-08	6.34E-08	7.29E-09	3.41E-09	1.07E-08	5.38E-09	1.95E-09	7.33E-09
103	609327.3	4170777	4.95E-08	2.20E-08	7.16E-08	8.23E-09	3.85E-09	1.21E-08	6.07E-09	2.20E-09	8.27E-09
104	609366.6	4170777	8.37E-08	3.73E-08	1.21E-07	1.39E-08	6.51E-09	2.04E-08	1.03E-08	3.72E-09	1.40E-08
105	609376.5	4170777	9.38E-08	4.18E-08	1.36E-07	1.56E-08	7.29E-09	2.29E-08	1.15E-08	4.17E-09	1.57E-08
106	609386.3	4170777	1.04E-07	4.62E-08	1.50E-07	1.72E-08	8.07E-09	2.53E-08	1.27E-08	4.61E-09	1.73E-08
107	609396.2	4170777	1.13E-07	5.05E-08	1.64E-07	1.88E-08	8.81E-09	2.77E-08	1.39E-08	5.03E-09	1.89E-08
108	609406	4170777	1.23E-07	5.46E-08	1.77E-07	2.04E-08	9.52E-09	2.99E-08	1.50E-08	5.44E-09	2.05E-08

109	609415.8	4170777	1.31E-07	5.84E-08	1.90E-07	2.18E-08	1.02E-08	3.20E-08	1.61E-08	5.83E-09	2.19E-08
110	609425.7	4170777	1.40E-07	6.22E-08	2.02E-07	2.32E-08	1.09E-08	3.41E-08	1.71E-08	6.20E-09	2.33E-08
111	609435.5	4170777	1.47E-07	6.56E-08	2.13E-07	2.45E-08	1.15E-08	3.60E-08	1.81E-08	6.55E-09	2.46E-08
112	609445.4	4170777	1.55E-07	6.88E-08	2.23E-07	2.57E-08	1.20E-08	3.77E-08	1.90E-08	6.86E-09	2.58E-08
113	609455.2	4170777	1.61E-07	7.15E-08	2.32E-07	2.67E-08	1.25E-08	3.92E-08	1.97E-08	7.14E-09	2.68E-08
114	609465.1	4170777	1.66E-07	7.41E-08	2.40E-07	2.76E-08	1.29E-08	4.06E-08	2.04E-08	7.39E-09	2.78E-08
115	609474.9	4170777	1.71E-07	7.63E-08	2.48E-07	2.85E-08	1.33E-08	4.18E-08	2.10E-08	7.61E-09	2.86E-08
116	609484.7	4170777	1.76E-07	7.83E-08	2.54E-07	2.92E-08	1.37E-08	4.29E-08	2.16E-08	7.81E-09	2.94E-08
117	609494.6	4170777	1.80E-07	8.00E-08	2.60E-07	2.99E-08	1.40E-08	4.38E-08	2.20E-08	7.98E-09	3.00E-08
118	609504.4	4170777	1.83E-07	8.15E-08	2.65E-07	3.04E-08	1.42E-08	4.47E-08	2.25E-08	8.13E-09	3.06E-08
119	609514.3	4170777	1.86E-07	8.27E-08	2.69E-07	3.09E-08	1.44E-08	4.53E-08	2.28E-08	8.25E-09	3.10E-08
120	609524.1	4170777	1.88E-07	8.37E-08	2.72E-07	3.12E-08	1.46E-08	4.59E-08	2.31E-08	8.35E-09	3.14E-08
121	609534	4170778	1.90E-07	8.44E-08	2.74E-07	3.15E-08	1.47E-08	4.62E-08	2.33E-08	8.42E-09	3.17E-08
122	609543.8	4170778	1.91E-07	8.49E-08	2.76E-07	3.17E-08	1.48E-08	4.65E-08	2.34E-08	8.47E-09	3.19E-08
123	609553.7	4170778	1.91E-07	8.51E-08	2.76E-07	3.18E-08	1.49E-08	4.66E-08	2.34E-08	8.49E-09	3.19E-08
124	609563.5	4170778	1.91E-07	8.50E-08	2.76E-07	3.17E-08	1.48E-08	4.65E-08	2.34E-08	8.47E-09	3.19E-08
125	609573.3	4170778	1.90E-07	8.44E-08	2.74E-07	3.15E-08	1.47E-08	4.62E-08	2.32E-08	8.42E-09	3.17E-08
126	609583.2	4170778	1.87E-07	8.33E-08	2.70E-07	3.11E-08	1.45E-08	4.56E-08	2.29E-08	8.31E-09	3.13E-08
127	609593	4170778	1.83E-07	8.16E-08	2.65E-07	3.04E-08	1.42E-08	4.47E-08	2.25E-08	8.13E-09	3.06E-08
128	609299	4170783	3.38E-08	1.50E-08	4.88E-08	5.61E-09	2.63E-09	8.24E-09	4.14E-09	1.50E-09	5.64E-09
129	609290.5	4170779	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
130	609282	4170776	3.11E-08	1.38E-08	4.49E-08	5.16E-09	2.41E-09	7.58E-09	3.81E-09	1.38E-09	5.19E-09
131	609273.4	4170772	2.97E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.25E-09	3.65E-09	1.32E-09	4.97E-09
132	609261.5	4170760	2.93E-08	1.31E-08	4.24E-08	4.87E-09	2.28E-09	7.15E-09	3.60E-09	1.30E-09	4.90E-09
133	609258.1	4170751	3.02E-08	1.34E-08	4.36E-08	5.01E-09	2.34E-09	7.36E-09	3.70E-09	1.34E-09	5.04E-09
134	609307.5	4170787	3.53E-08	1.57E-08	5.10E-08	5.86E-09	2.74E-09	8.60E-09	4.32E-09	1.57E-09	5.89E-09
135	609317.4	4170787	3.89E-08	1.73E-08	5.62E-08	6.46E-09	3.02E-09	9.48E-09	4.77E-09	1.73E-09	6.49E-09
136	609327.2	4170787	4.32E-08	1.92E-08	6.25E-08	7.18E-09	3.36E-09	1.05E-08	5.30E-09	1.92E-09	7.22E-09
137	609366.6	4170787	6.88E-08	3.06E-08	9.94E-08	1.14E-08	5.35E-09	1.68E-08	8.44E-09	3.05E-09	1.15E-08
138	609376.4	4170787	7.65E-08	3.41E-08	1.11E-07	1.27E-08	5.95E-09	1.87E-08	9.38E-09	3.40E-09	1.28E-08
139	609386.3	4170787	8.43E-08	3.75E-08	1.22E-07	1.40E-08	6.55E-09	2.06E-08	1.03E-08	3.74E-09	1.41E-08
140	609396.1	4170787	9.20E-08	4.09E-08	1.33E-07	1.53E-08	7.15E-09	2.24E-08	1.13E-08	4.08E-09	1.54E-08
141	609406	4170787	9.94E-08	4.42E-08	1.44E-07	1.65E-08	7.72E-09	2.42E-08	1.22E-08	4.41E-09	1.66E-08
142	609415.8	4170787	1.07E-07	4.74E-08	1.54E-07	1.77E-08	8.28E-09	2.60E-08	1.31E-08	4.73E-09	1.78E-08
143	609425.6	4170787	1.14E-07	5.05E-08	1.64E-07	1.89E-08	8.82E-09	2.77E-08	1.39E-08	5.04E-09	1.90E-08
144	609435.5	4170787	1.20E-07	5.34E-08	1.74E-07	1.99E-08	9.33E-09	2.93E-08	1.47E-08	5.33E-09	2.01E-08
145	609445.3	4170787	1.26E-07	5.61E-08	1.82E-07	2.09E-08	9.80E-09	3.07E-08	1.55E-08	5.60E-09	2.11E-08
146	609455.2	4170787	1.32E-07	5.85E-08	1.90E-07	2.18E-08	1.02E-08	3.21E-08	1.61E-08	5.84E-09	2.20E-08
147	609465	4170787	1.36E-07	6.07E-08	1.97E-07	2.27E-08	1.06E-08	3.33E-08	1.67E-08	6.06E-09	2.28E-08
148	609474.9	4170787	1.41E-07	6.27E-08	2.04E-07	2.34E-08	1.09E-08	3.44E-08	1.73E-08	6.25E-09	2.35E-08
149	609484.7	4170787	1.45E-07	6.45E-08	2.09E-07	2.41E-08	1.13E-08	3.53E-08	1.78E-08	6.43E-09	2.42E-08
150	609494.5	4170787	1.48E-07	6.61E-08	2.15E-07	2.47E-08	1.15E-08	3.62E-08	1.82E-08	6.59E-09	2.48E-08
151	609504.4	4170787	1.52E-07	6.74E-08	2.19E-07	2.52E-08	1.18E-08	3.70E-08	1.86E-08	6.73E-09	2.53E-08
152	609514.2	4170787	1.54E-07	6.86E-08	2.23E-07	2.56E-08	1.20E-08	3.76E-08	1.89E-08	6.84E-09	2.57E-08
153	609524.1	4170787	1.56E-07	6.96E-08	2.26E-07	2.60E-08	1.21E-08	3.81E-08	1.92E-08	6.94E-09	2.61E-08
154	609533.9	4170788	1.58E-07	7.03E-08	2.28E-07	2.62E-08	1.23E-08	3.85E-08	1.94E-08	7.01E-09	2.64E-08
155	609543.8	4170788	1.59E-07	7.08E-08	2.30E-07	2.64E-08	1.24E-08	3.88E-08	1.95E-08	7.06E-09	2.66E-08
156	609553.6	4170788	1.60E-07	7.11E-08	2.31E-07	2.65E-08	1.24E-08	3.89E-08	1.96E-08	7.09E-09	2.67E-08
157	609563.4	4170788	1.60E-07	7.11E-08	2.31E-07	2.65E-08	1.24E-08	3.90E-08	1.96E-08	7.09E-09	2.67E-08
158	609573.3	4170788	1.59E-07	7.08E-08	2.30E-07	2.64E-08	1.24E-08	3.88E-08	1.95E-08	7.06E-09	2.66E-08
159	609583.1	4170788	1.58E-07	7.01E-08	2.28E-07	2.62E-08	1.22E-08	3.84E-08	1.93E-08	6.99E-09	2.63E-08
160	609593	4170788	1.55E-07	6.89E-08	2.24E-07	2.57E-08	1.20E-08	3.78E-08	1.90E-08	6.87E-09	2.59E-08
161	609299.2	4170793	3.07E-08	1.37E-08	4.44E-08	5.10E-09	2.39E-09	7.49E-09	3.77E-09	1.36E-09	5.13E-09
162	609290.9	4170789	2.96E-08	1.32E-08	4.28E-08	4.92E-09	2.30E-09	7.23E-09	3.63E-09	1.32E-09	4.95E-09
163	609274.3	4170782	2.76E-08	1.23E-08	3.99E-08	4.58E-09	2.14E-09	6.73E-09	3.38E-09	1.22E-09	4.61E-09
164	609254.4	4170767	2.63E-08	1.17E-08	3.79E-08	4.36E-09	2.04E-09	6.40E-09	3.22E-09	1.17E-09	4.38E-09

165	609307.5	4170797	3.19E-08	1.42E-08	4.60E-08	5.29E-09	2.47E-09	7.77E-09	3.91E-09	1.41E-09	5.32E-09
166	609317.3	4170797	3.48E-08	1.55E-08	5.02E-08	5.78E-09	2.70E-09	8.48E-09	4.26E-09	1.54E-09	5.81E-09
167	609327.2	4170797	3.82E-08	1.70E-08	5.52E-08	6.35E-09	2.97E-09	9.32E-09	4.68E-09	1.70E-09	6.38E-09
168	609356.7	4170797	5.22E-08	2.32E-08	7.54E-08	8.67E-09	4.05E-09	1.27E-08	6.40E-09	2.32E-09	8.71E-09
169	609366.5	4170797	5.79E-08	2.58E-08	8.36E-08	9.62E-09	4.50E-09	1.41E-08	7.10E-09	2.57E-09	9.67E-09
170	609376.4	4170797	6.39E-08	2.84E-08	9.23E-08	1.06E-08	4.97E-09	1.56E-08	7.83E-09	2.84E-09	1.07E-08
171	609386.2	4170797	7.00E-08	3.12E-08	1.01E-07	1.16E-08	5.44E-09	1.71E-08	8.59E-09	3.11E-09	1.17E-08
172	609396.1	4170797	7.62E-08	3.39E-08	1.10E-07	1.27E-08	5.92E-09	1.86E-08	9.34E-09	3.38E-09	1.27E-08
173	609405.9	4170797	8.23E-08	3.66E-08	1.19E-07	1.37E-08	6.39E-09	2.01E-08	1.01E-08	3.65E-09	1.37E-08
174	609415.8	4170797	8.82E-08	3.93E-08	1.27E-07	1.47E-08	6.85E-09	2.15E-08	1.08E-08	3.91E-09	1.47E-08
175	609425.6	4170797	9.40E-08	4.18E-08	1.36E-07	1.56E-08	7.30E-09	2.29E-08	1.15E-08	4.17E-09	1.57E-08
176	609435.4	4170797	9.95E-08	4.43E-08	1.44E-07	1.65E-08	7.73E-09	2.43E-08	1.22E-08	4.42E-09	1.66E-08
177	609445.3	4170797	1.05E-07	4.66E-08	1.51E-07	1.74E-08	8.13E-09	2.55E-08	1.28E-08	4.65E-09	1.75E-08
178	609455.1	4170797	1.09E-07	4.87E-08	1.58E-07	1.82E-08	8.50E-09	2.67E-08	1.34E-08	4.85E-09	1.83E-08
179	609465	4170797	1.14E-07	5.06E-08	1.64E-07	1.89E-08	8.83E-09	2.77E-08	1.39E-08	5.05E-09	1.90E-08
180	609474.8	4170797	1.18E-07	5.24E-08	1.70E-07	1.95E-08	9.14E-09	2.87E-08	1.44E-08	5.22E-09	1.96E-08
181	609484.7	4170797	1.21E-07	5.40E-08	1.75E-07	2.01E-08	9.42E-09	2.96E-08	1.49E-08	5.38E-09	2.02E-08
182	609494.5	4170797	1.24E-07	5.54E-08	1.80E-07	2.07E-08	9.67E-09	3.03E-08	1.53E-08	5.52E-09	2.08E-08
183	609504.3	4170797	1.27E-07	5.66E-08	1.84E-07	2.11E-08	9.89E-09	3.10E-08	1.56E-08	5.65E-09	2.13E-08
184	609514.2	4170797	1.30E-07	5.77E-08	1.87E-07	2.15E-08	1.01E-08	3.16E-08	1.59E-08	5.76E-09	2.17E-08
185	609524	4170797	1.32E-07	5.86E-08	1.90E-07	2.19E-08	1.02E-08	3.21E-08	1.62E-08	5.85E-09	2.20E-08
186	609533.9	4170798	1.33E-07	5.94E-08	1.93E-07	2.22E-08	1.04E-08	3.25E-08	1.64E-08	5.92E-09	2.23E-08
187	609543.7	4170798	1.35E-07	5.99E-08	1.95E-07	2.24E-08	1.05E-08	3.28E-08	1.65E-08	5.98E-09	2.25E-08
188	609553.6	4170798	1.35E-07	6.03E-08	1.96E-07	2.25E-08	1.05E-08	3.30E-08	1.66E-08	6.01E-09	2.26E-08
189	609563.4	4170798	1.36E-07	6.04E-08	1.96E-07	2.25E-08	1.05E-08	3.31E-08	1.66E-08	6.02E-09	2.27E-08
190	609573.2	4170798	1.35E-07	6.03E-08	1.96E-07	2.25E-08	1.05E-08	3.30E-08	1.66E-08	6.01E-09	2.26E-08
191	609583.1	4170798	1.34E-07	5.98E-08	1.94E-07	2.23E-08	1.04E-08	3.28E-08	1.65E-08	5.97E-09	2.25E-08
192	609592.9	4170798	1.33E-07	5.90E-08	1.92E-07	2.20E-08	1.03E-08	3.23E-08	1.63E-08	5.89E-09	2.22E-08
193	609299.3	4170803	2.80E-08	1.25E-08	4.05E-08	4.66E-09	2.18E-09	6.84E-09	3.44E-09	1.24E-09	4.68E-09
194	609283.1	4170796	2.64E-08	1.18E-08	3.82E-08	4.39E-09	2.05E-09	6.44E-09	3.24E-09	1.17E-09	4.41E-09
195	609266.8	4170789	2.48E-08	1.10E-08	3.58E-08	4.11E-09	1.92E-09	6.04E-09	3.04E-09	1.10E-09	4.14E-09
196	609247.4	4170774	2.37E-08	1.05E-08	3.42E-08	3.94E-09	1.84E-09	5.78E-09	2.91E-09	1.05E-09	3.96E-09
197	609317.3	4170807	3.13E-08	1.39E-08	4.52E-08	5.20E-09	2.43E-09	7.63E-09	3.83E-09	1.39E-09	5.22E-09
198	609327.1	4170807	3.40E-08	1.51E-08	4.92E-08	5.65E-09	2.64E-09	8.30E-09	4.17E-09	1.51E-09	5.68E-09
199	609356.6	4170807	4.51E-08	2.01E-08	6.52E-08	7.49E-09	3.50E-09	1.10E-08	5.53E-09	2.00E-09	7.53E-09
200	609366.5	4170807	4.96E-08	2.21E-08	7.17E-08	8.24E-09	3.85E-09	1.21E-08	6.08E-09	2.20E-09	8.28E-09
201	609376.3	4170807	5.44E-08	2.42E-08	7.86E-08	9.03E-09	4.22E-09	1.33E-08	6.67E-09	2.41E-09	9.08E-09
202	609386.2	4170807	5.93E-08	2.64E-08	8.57E-08	9.85E-09	4.61E-09	1.45E-08	7.27E-09	2.63E-09	9.90E-09
203	609396	4170807	6.43E-08	2.86E-08	9.29E-08	1.07E-08	5.00E-09	1.57E-08	7.88E-09	2.85E-09	1.07E-08
204	609405.9	4170807	6.93E-08	3.08E-08	1.00E-07	1.15E-08	5.38E-09	1.69E-08	8.49E-09	3.08E-09	1.16E-08
205	609415.7	4170807	7.42E-08	3.30E-08	1.07E-07	1.23E-08	5.77E-09	1.81E-08	9.10E-09	3.29E-09	1.24E-08
206	609425.6	4170807	7.90E-08	3.52E-08	1.14E-07	1.31E-08	6.14E-09	1.93E-08	9.69E-09	3.51E-09	1.32E-08
207	609435.4	4170807	8.37E-08	3.72E-08	1.21E-07	1.39E-08	6.50E-09	2.04E-08	1.03E-08	3.71E-09	1.40E-08
208	609445.2	4170807	8.80E-08	3.92E-08	1.27E-07	1.46E-08	6.84E-09	2.15E-08	1.08E-08	3.91E-09	1.47E-08
209	609455.1	4170807	9.21E-08	4.10E-08	1.33E-07	1.53E-08	7.16E-09	2.25E-08	1.13E-08	4.09E-09	1.54E-08
210	609464.9	4170807	9.59E-08	4.27E-08	1.39E-07	1.59E-08	7.45E-09	2.34E-08	1.18E-08	4.26E-09	1.60E-08
211	609474.8	4170807	9.94E-08	4.42E-08	1.44E-07	1.65E-08	7.72E-09	2.42E-08	1.22E-08	4.41E-09	1.66E-08
212	609484.6	4170807	1.03E-07	4.57E-08	1.48E-07	1.71E-08	7.98E-09	2.50E-08	1.26E-08	4.56E-09	1.71E-08
213	609494.5	4170807	1.06E-07	4.70E-08	1.53E-07	1.75E-08	8.20E-09	2.57E-08	1.29E-08	4.69E-09	1.76E-08
214	609504.3	4170807	1.08E-07	4.82E-08	1.56E-07	1.80E-08	8.41E-09	2.64E-08	1.33E-08	4.80E-09	1.81E-08
215	609514.1	4170807	1.10E-07	4.92E-08	1.60E-07	1.84E-08	8.58E-09	2.69E-08	1.35E-08	4.90E-09	1.84E-08
216	609524	4170807	1.12E-07	5.00E-08	1.62E-07	1.87E-08	8.74E-09	2.74E-08	1.38E-08	4.99E-09	1.88E-08
217	609533.8	4170808	1.14E-07	5.08E-08	1.65E-07	1.89E-08	8.86E-09	2.78E-08	1.40E-08	5.06E-09	1.90E-08
218	609543.7	4170808	1.15E-07	5.13E-08	1.67E-07	1.92E-08	8.96E-09	2.81E-08	1.41E-08	5.12E-09	1.93E-08
219	609553.5	4170808	1.16E-07	5.17E-08	1.68E-07	1.93E-08	9.03E-09	2.83E-08	1.42E-08	5.16E-09	1.94E-08
220	609563.4	4170808	1.17E-07	5.19E-08	1.69E-07	1.94E-08	9.06E-09	2.84E-08	1.43E-08	5.18E-09	1.95E-08

221	609573.2	4170808	1.17E-07	5.19E-08	1.69E-07	1.94E-08	9.06E-09	2.84E-08	1.43E-08	5.18E-09	1.95E-08
222	609583	4170808	1.16E-07	5.17E-08	1.68E-07	1.93E-08	9.02E-09	2.83E-08	1.42E-08	5.15E-09	1.94E-08
223	609592.9	4170808	1.15E-07	5.11E-08	1.66E-07	1.91E-08	8.93E-09	2.80E-08	1.41E-08	5.10E-09	1.92E-08
224	609299.4	4170813	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.27E-09	3.15E-09	1.14E-09	4.29E-09
225	609283.4	4170806	2.44E-08	1.09E-08	3.53E-08	4.05E-09	1.90E-09	5.95E-09	2.99E-09	1.08E-09	4.08E-09
226	609267.4	4170800	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.63E-09	2.83E-09	1.03E-09	3.86E-09
227	609317.2	4170817	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.91E-09	3.47E-09	1.26E-09	4.73E-09
228	609327.1	4170817	3.06E-08	1.36E-08	4.42E-08	5.08E-09	2.38E-09	7.46E-09	3.75E-09	1.36E-09	5.11E-09
229	609336.9	4170817	3.32E-08	1.48E-08	4.80E-08	5.51E-09	2.58E-09	8.09E-09	4.07E-09	1.47E-09	5.54E-09
230	609356.6	4170817	3.95E-08	1.76E-08	5.71E-08	6.56E-09	3.07E-09	9.64E-09	4.85E-09	1.75E-09	6.60E-09
231	609366.4	4170817	4.31E-08	1.92E-08	6.23E-08	7.16E-09	3.35E-09	1.05E-08	5.29E-09	1.91E-09	7.20E-09
232	609376.3	4170817	4.70E-08	2.09E-08	6.79E-08	7.80E-09	3.65E-09	1.15E-08	5.76E-09	2.08E-09	7.84E-09
233	609386.1	4170817	5.10E-08	2.27E-08	7.37E-08	8.47E-09	3.96E-09	1.24E-08	6.25E-09	2.26E-09	8.51E-09
234	609396	4170817	5.51E-08	2.45E-08	7.96E-08	9.15E-09	4.28E-09	1.34E-08	6.75E-09	2.44E-09	9.20E-09
235	609405.8	4170817	5.92E-08	2.63E-08	8.55E-08	9.83E-09	4.60E-09	1.44E-08	7.26E-09	2.63E-09	9.88E-09
236	609415.7	4170817	6.33E-08	2.82E-08	9.15E-08	1.05E-08	4.92E-09	1.54E-08	7.76E-09	2.81E-09	1.06E-08
237	609425.5	4170817	6.73E-08	3.00E-08	9.73E-08	1.12E-08	5.23E-09	1.64E-08	8.25E-09	2.99E-09	1.12E-08
238	609435.3	4170817	7.12E-08	3.17E-08	1.03E-07	1.18E-08	5.54E-09	1.74E-08	8.73E-09	3.16E-09	1.19E-08
239	609445.2	4170817	7.50E-08	3.34E-08	1.08E-07	1.25E-08	5.83E-09	1.83E-08	9.19E-09	3.33E-09	1.25E-08
240	609455	4170817	7.85E-08	3.49E-08	1.13E-07	1.30E-08	6.10E-09	1.91E-08	9.63E-09	3.49E-09	1.31E-08
241	609464.9	4170817	8.19E-08	3.64E-08	1.18E-07	1.36E-08	6.36E-09	2.00E-08	1.00E-08	3.63E-09	1.37E-08
242	609474.7	4170817	8.50E-08	3.78E-08	1.23E-07	1.41E-08	6.60E-09	2.07E-08	1.04E-08	3.77E-09	1.42E-08
243	609484.6	4170817	8.79E-08	3.91E-08	1.27E-07	1.46E-08	6.83E-09	2.14E-08	1.08E-08	3.90E-09	1.47E-08
244	609494.4	4170817	9.06E-08	4.03E-08	1.31E-07	1.50E-08	7.04E-09	2.21E-08	1.11E-08	4.02E-09	1.51E-08
245	609504.3	4170817	9.30E-08	4.14E-08	1.34E-07	1.54E-08	7.22E-09	2.27E-08	1.14E-08	4.13E-09	1.55E-08
246	609514.1	4170817	9.51E-08	4.23E-08	1.37E-07	1.58E-08	7.39E-09	2.32E-08	1.17E-08	4.22E-09	1.59E-08
247	609523.9	4170817	9.69E-08	4.31E-08	1.40E-07	1.61E-08	7.53E-09	2.36E-08	1.19E-08	4.30E-09	1.62E-08
248	609533.8	4170818	9.85E-08	4.38E-08	1.42E-07	1.64E-08	7.65E-09	2.40E-08	1.21E-08	4.37E-09	1.64E-08
249	609543.6	4170818	9.97E-08	4.44E-08	1.44E-07	1.66E-08	7.75E-09	2.43E-08	1.22E-08	4.43E-09	1.67E-08
250	609553.5	4170818	1.01E-07	4.48E-08	1.45E-07	1.67E-08	7.82E-09	2.45E-08	1.23E-08	4.47E-09	1.68E-08
251	609563.3	4170818	1.01E-07	4.51E-08	1.46E-07	1.68E-08	7.87E-09	2.47E-08	1.24E-08	4.49E-09	1.69E-08
252	609573.2	4170818	1.01E-07	4.52E-08	1.47E-07	1.69E-08	7.88E-09	2.47E-08	1.24E-08	4.50E-09	1.69E-08
253	609583	4170818	1.01E-07	4.50E-08	1.46E-07	1.68E-08	7.86E-09	2.47E-08	1.24E-08	4.49E-09	1.69E-08
254	609592.8	4170818	1.00E-07	4.47E-08	1.45E-07	1.67E-08	7.80E-09	2.45E-08	1.23E-08	4.46E-09	1.68E-08
255	609298.5	4170823	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.83E-09	5.75E-09	2.89E-09	1.05E-09	3.94E-09
256	609289.6	4170819	2.30E-08	1.02E-08	3.32E-08	3.82E-09	1.79E-09	5.61E-09	2.82E-09	1.02E-09	3.84E-09
257	609280.7	4170815	2.24E-08	9.98E-09	3.24E-08	3.72E-09	1.74E-09	5.47E-09	2.75E-09	9.95E-10	3.74E-09
258	609214.9	4170743	2.15E-08	9.56E-09	3.10E-08	3.57E-09	1.67E-09	5.24E-09	2.63E-09	9.54E-10	3.59E-09
259	609211.4	4170734	2.16E-08	9.62E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.60E-10	3.61E-09
260	609307.3	4170827	2.42E-08	1.08E-08	3.49E-08	4.02E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.04E-09
261	609317.2	4170827	2.58E-08	1.15E-08	3.73E-08	4.28E-09	2.00E-09	6.29E-09	3.16E-09	1.14E-09	4.31E-09
262	609327	4170827	2.77E-08	1.23E-08	4.00E-08	4.59E-09	2.15E-09	6.74E-09	3.39E-09	1.23E-09	4.62E-09
263	609336.9	4170827	2.98E-08	1.33E-08	4.31E-08	4.95E-09	2.32E-09	7.27E-09	3.66E-09	1.32E-09	4.98E-09
264	609356.6	4170827	3.50E-08	1.56E-08	5.06E-08	5.81E-09	2.72E-09	8.53E-09	4.29E-09	1.55E-09	5.84E-09
265	609366.4	4170827	3.79E-08	1.69E-08	5.48E-08	6.30E-09	2.95E-09	9.25E-09	4.65E-09	1.68E-09	6.33E-09
266	609376.2	4170827	4.11E-08	1.83E-08	5.94E-08	6.82E-09	3.19E-09	1.00E-08	5.04E-09	1.82E-09	6.86E-09
267	609386.1	4170827	4.44E-08	1.97E-08	6.41E-08	7.37E-09	3.45E-09	1.08E-08	5.44E-09	1.97E-09	7.41E-09
268	609395.9	4170827	4.78E-08	2.13E-08	6.90E-08	7.93E-09	3.71E-09	1.16E-08	5.86E-09	2.12E-09	7.98E-09
269	609405.8	4170827	5.12E-08	2.28E-08	7.40E-08	8.50E-09	3.98E-09	1.25E-08	6.28E-09	2.27E-09	8.55E-09
270	609415.6	4170827	5.46E-08	2.43E-08	7.90E-08	9.08E-09	4.25E-09	1.33E-08	6.70E-09	2.43E-09	9.13E-09
271	609425.5	4170827	5.80E-08	2.58E-08	8.39E-08	9.64E-09	4.51E-09	1.42E-08	7.12E-09	2.58E-09	9.69E-09
272	609435.3	4170827	6.14E-08	2.73E-08	8.87E-08	1.02E-08	4.77E-09	1.50E-08	7.52E-09	2.72E-09	1.02E-08
273	609445.1	4170827	6.46E-08	2.87E-08	9.33E-08	1.07E-08	5.02E-09	1.57E-08	7.92E-09	2.87E-09	1.08E-08
274	609455	4170827	6.77E-08	3.01E-08	9.78E-08	1.12E-08	5.26E-09	1.65E-08	8.30E-09	3.00E-09	1.13E-08
275	609464.8	4170827	7.06E-08	3.14E-08	1.02E-07	1.17E-08	5.48E-09	1.72E-08	8.65E-09	3.13E-09	1.18E-08
276	609474.7	4170827	7.33E-08	3.26E-08	1.06E-07	1.22E-08	5.70E-09	1.79E-08	8.99E-09	3.26E-09	1.22E-08

277	609484.5	4170827	7.60E-08	3.38E-08	1.10E-07	1.26E-08	5.90E-09	1.85E-08	9.32E-09	3.37E-09	1.27E-08
278	609494.4	4170827	7.84E-08	3.49E-08	1.13E-07	1.30E-08	6.09E-09	1.91E-08	9.61E-09	3.48E-09	1.31E-08
279	609504.2	4170827	8.06E-08	3.59E-08	1.16E-07	1.34E-08	6.26E-09	1.97E-08	9.88E-09	3.58E-09	1.35E-08
280	609514.1	4170827	8.26E-08	3.67E-08	1.19E-07	1.37E-08	6.41E-09	2.01E-08	1.01E-08	3.66E-09	1.38E-08
281	609523.9	4170827	8.43E-08	3.75E-08	1.22E-07	1.40E-08	6.55E-09	2.05E-08	1.03E-08	3.74E-09	1.41E-08
282	609533.7	4170828	8.58E-08	3.82E-08	1.24E-07	1.42E-08	6.66E-09	2.09E-08	1.05E-08	3.81E-09	1.43E-08
283	609543.6	4170828	8.70E-08	3.87E-08	1.26E-07	1.45E-08	6.76E-09	2.12E-08	1.07E-08	3.86E-09	1.45E-08
284	609553.4	4170828	8.80E-08	3.91E-08	1.27E-07	1.46E-08	6.83E-09	2.14E-08	1.08E-08	3.90E-09	1.47E-08
285	609563.3	4170828	8.86E-08	3.94E-08	1.28E-07	1.47E-08	6.89E-09	2.16E-08	1.09E-08	3.93E-09	1.48E-08
286	609573.1	4170828	8.90E-08	3.96E-08	1.29E-07	1.48E-08	6.91E-09	2.17E-08	1.09E-08	3.95E-09	1.49E-08
287	609583	4170828	8.89E-08	3.96E-08	1.28E-07	1.48E-08	6.91E-09	2.17E-08	1.09E-08	3.95E-09	1.48E-08
288	609592.8	4170828	8.85E-08	3.94E-08	1.28E-07	1.47E-08	6.87E-09	2.16E-08	1.08E-08	3.93E-09	1.48E-08
289	609298.6	4170833	2.18E-08	9.69E-09	3.15E-08	3.62E-09	1.69E-09	5.31E-09	2.67E-09	9.67E-10	3.64E-09
290	609289.9	4170829	2.13E-08	9.49E-09	3.08E-08	3.54E-09	1.66E-09	5.20E-09	2.61E-09	9.46E-10	3.56E-09
291	609246.5	4170811	1.89E-08	8.40E-09	2.73E-08	3.13E-09	1.47E-09	4.60E-09	2.31E-09	8.38E-10	3.15E-09
292	609237.9	4170807	1.83E-08	8.16E-09	2.65E-08	3.04E-09	1.42E-09	4.47E-09	2.25E-09	8.13E-10	3.06E-09
293	609225.7	4170795	1.82E-08	8.10E-09	2.63E-08	3.02E-09	1.41E-09	4.44E-09	2.23E-09	8.08E-10	3.04E-09
294	609222.2	4170786	1.86E-08	8.28E-09	2.69E-08	3.09E-09	1.45E-09	4.54E-09	2.28E-09	8.26E-10	3.11E-09
295	609218.7	4170777	1.90E-08	8.44E-09	2.74E-08	3.15E-09	1.47E-09	4.62E-09	2.33E-09	8.42E-10	3.17E-09
296	609208.3	4170751	1.97E-08	8.78E-09	2.85E-08	3.28E-09	1.53E-09	4.81E-09	2.42E-09	8.75E-10	3.29E-09
297	609204.8	4170742	1.99E-08	8.84E-09	2.87E-08	3.30E-09	1.54E-09	4.84E-09	2.43E-09	8.81E-10	3.32E-09
298	609201.3	4170733	1.99E-08	8.88E-09	2.88E-08	3.31E-09	1.55E-09	4.86E-09	2.44E-09	8.85E-10	3.33E-09
299	609307.3	4170837	2.23E-08	9.91E-09	3.22E-08	3.70E-09	1.73E-09	5.43E-09	2.73E-09	9.88E-10	3.72E-09
300	609317.1	4170837	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.84E-09	5.76E-09	2.90E-09	1.05E-09	3.95E-09
301	609327	4170837	2.52E-08	1.12E-08	3.64E-08	4.18E-09	1.96E-09	6.14E-09	3.09E-09	1.12E-09	4.21E-09
302	609356.5	4170837	3.12E-08	1.39E-08	4.51E-08	5.19E-09	2.43E-09	7.62E-09	3.83E-09	1.39E-09	5.22E-09
303	609366.4	4170837	3.37E-08	1.50E-08	4.87E-08	5.59E-09	2.62E-09	8.21E-09	4.13E-09	1.49E-09	5.62E-09
304	609376.2	4170837	3.63E-08	1.61E-08	5.24E-08	6.03E-09	2.82E-09	8.85E-09	4.45E-09	1.61E-09	6.06E-09
305	609386	4170837	3.90E-08	1.74E-08	5.64E-08	6.48E-09	3.03E-09	9.52E-09	4.79E-09	1.73E-09	6.52E-09
306	609395.9	4170837	4.19E-08	1.86E-08	6.05E-08	6.95E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
307	609405.7	4170837	4.48E-08	1.99E-08	6.47E-08	7.43E-09	3.48E-09	1.09E-08	5.49E-09	1.99E-09	7.47E-09
308	609415.6	4170837	4.77E-08	2.12E-08	6.89E-08	7.92E-09	3.70E-09	1.16E-08	5.84E-09	2.12E-09	7.96E-09
309	609425.4	4170837	5.06E-08	2.25E-08	7.31E-08	8.40E-09	3.93E-09	1.23E-08	6.20E-09	2.24E-09	8.45E-09
310	609435.3	4170837	5.34E-08	2.38E-08	7.72E-08	8.87E-09	4.15E-09	1.30E-08	6.55E-09	2.37E-09	8.92E-09
311	609445.1	4170837	5.62E-08	2.50E-08	8.12E-08	9.34E-09	4.37E-09	1.37E-08	6.89E-09	2.50E-09	9.39E-09
312	609454.9	4170837	5.89E-08	2.62E-08	8.51E-08	9.78E-09	4.58E-09	1.44E-08	7.22E-09	2.61E-09	9.84E-09
313	609464.8	4170837	6.15E-08	2.74E-08	8.88E-08	1.02E-08	4.78E-09	1.50E-08	7.54E-09	2.73E-09	1.03E-08
314	609474.6	4170837	6.39E-08	2.84E-08	9.24E-08	1.06E-08	4.97E-09	1.56E-08	7.84E-09	2.84E-09	1.07E-08
315	609484.5	4170837	6.63E-08	2.95E-08	9.57E-08	1.10E-08	5.15E-09	1.62E-08	8.12E-09	2.94E-09	1.11E-08
316	609494.3	4170837	6.84E-08	3.05E-08	9.89E-08	1.14E-08	5.32E-09	1.67E-08	8.39E-09	3.04E-09	1.14E-08
317	609504.2	4170837	7.04E-08	3.13E-08	1.02E-07	1.17E-08	5.47E-09	1.72E-08	8.63E-09	3.13E-09	1.18E-08
318	609514	4170837	7.22E-08	3.21E-08	1.04E-07	1.20E-08	5.61E-09	1.76E-08	8.86E-09	3.21E-09	1.21E-08
319	609523.8	4170837	7.38E-08	3.29E-08	1.07E-07	1.23E-08	5.74E-09	1.80E-08	9.05E-09	3.28E-09	1.23E-08
320	609533.7	4170838	7.53E-08	3.35E-08	1.09E-07	1.25E-08	5.85E-09	1.84E-08	9.23E-09	3.34E-09	1.26E-08
321	609543.5	4170838	7.65E-08	3.40E-08	1.10E-07	1.27E-08	5.94E-09	1.86E-08	9.37E-09	3.39E-09	1.28E-08
322	609553.4	4170838	7.74E-08	3.45E-08	1.12E-07	1.29E-08	6.02E-09	1.89E-08	9.49E-09	3.44E-09	1.29E-08
323	609563.2	4170838	7.81E-08	3.48E-08	1.13E-07	1.30E-08	6.07E-09	1.91E-08	9.58E-09	3.47E-09	1.30E-08
324	609573.1	4170838	7.86E-08	3.50E-08	1.14E-07	1.31E-08	6.10E-09	1.92E-08	9.63E-09	3.49E-09	1.31E-08
325	609582.9	4170838	7.87E-08	3.50E-08	1.14E-07	1.31E-08	6.11E-09	1.92E-08	9.65E-09	3.49E-09	1.31E-08
326	609592.8	4170838	7.84E-08	3.49E-08	1.13E-07	1.30E-08	6.10E-09	1.91E-08	9.62E-09	3.48E-09	1.31E-08
327	609264.6	4170828	1.87E-08	8.31E-09	2.70E-08	3.10E-09	1.45E-09	4.55E-09	2.29E-09	8.29E-10	3.12E-09
328	609256.1	4170825	1.83E-08	8.13E-09	2.64E-08	3.03E-09	1.42E-09	4.45E-09	2.24E-09	8.11E-10	3.05E-09
329	609247.6	4170821	1.78E-08	7.94E-09	2.58E-08	2.96E-09	1.39E-09	4.35E-09	2.19E-09	7.92E-10	2.98E-09
330	609239.1	4170818	1.74E-08	7.74E-09	2.51E-08	2.89E-09	1.35E-09	4.24E-09	2.13E-09	7.72E-10	2.90E-09
331	609230.5	4170814	1.69E-08	7.53E-09	2.44E-08	2.81E-09	1.31E-09	4.12E-09	2.07E-09	7.51E-10	2.83E-09
332	609218.6	4170802	1.68E-08	7.48E-09	2.43E-08	2.79E-09	1.31E-09	4.10E-09	2.06E-09	7.46E-10	2.81E-09

333	609215.2	4170793	1.72E-08	7.64E-09	2.48E-08	2.85E-09	1.33E-09	4.19E-09	2.11E-09	7.62E-10	2.87E-09
334	609211.8	4170785	1.75E-08	7.79E-09	2.53E-08	2.91E-09	1.36E-09	4.27E-09	2.15E-09	7.77E-10	2.92E-09
335	609201.5	4170759	1.82E-08	8.10E-09	2.63E-08	3.02E-09	1.41E-09	4.44E-09	2.23E-09	8.08E-10	3.04E-09
336	609198.1	4170750	1.83E-08	8.15E-09	2.65E-08	3.04E-09	1.42E-09	4.47E-09	2.25E-09	8.13E-10	3.06E-09
337	609194.7	4170742	1.84E-08	8.19E-09	2.66E-08	3.06E-09	1.43E-09	4.49E-09	2.26E-09	8.17E-10	3.07E-09
338	609191.2	4170733	1.85E-08	8.22E-09	2.67E-08	3.07E-09	1.43E-09	4.50E-09	2.26E-09	8.19E-10	3.08E-09
339	609356.5	4170847	2.81E-08	1.25E-08	4.06E-08	4.67E-09	2.18E-09	6.85E-09	3.44E-09	1.25E-09	4.69E-09
340	609366.3	4170847	3.01E-08	1.34E-08	4.35E-08	5.01E-09	2.34E-09	7.35E-09	3.69E-09	1.34E-09	5.03E-09
341	609376.2	4170847	3.23E-08	1.44E-08	4.67E-08	5.37E-09	2.51E-09	7.88E-09	3.96E-09	1.43E-09	5.40E-09
342	609386	4170847	3.46E-08	1.54E-08	5.01E-08	5.75E-09	2.69E-09	8.45E-09	4.25E-09	1.54E-09	5.78E-09
343	609395.8	4170847	3.70E-08	1.65E-08	5.35E-08	6.15E-09	2.88E-09	9.03E-09	4.54E-09	1.64E-09	6.18E-09
344	609405.7	4170847	3.95E-08	1.76E-08	5.71E-08	6.56E-09	3.07E-09	9.63E-09	4.84E-09	1.75E-09	6.59E-09
345	609415.5	4170847	4.20E-08	1.87E-08	6.06E-08	6.97E-09	3.26E-09	1.02E-08	5.15E-09	1.86E-09	7.01E-09
346	609425.4	4170847	4.45E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.45E-09	1.97E-09	7.42E-09
347	609454.9	4170847	5.17E-08	2.30E-08	7.47E-08	8.59E-09	4.02E-09	1.26E-08	6.34E-09	2.29E-09	8.63E-09
348	609464.7	4170847	5.40E-08	2.40E-08	7.80E-08	8.96E-09	4.19E-09	1.32E-08	6.62E-09	2.40E-09	9.01E-09
349	609474.6	4170847	5.61E-08	2.50E-08	8.11E-08	9.32E-09	4.36E-09	1.37E-08	6.88E-09	2.49E-09	9.37E-09
350	609484.4	4170847	5.82E-08	2.59E-08	8.41E-08	9.67E-09	4.52E-09	1.42E-08	7.14E-09	2.58E-09	9.72E-09
351	609494.3	4170847	6.02E-08	2.68E-08	8.69E-08	9.99E-09	4.67E-09	1.47E-08	7.38E-09	2.67E-09	1.00E-08
352	609504.1	4170847	6.20E-08	2.76E-08	8.95E-08	1.03E-08	4.81E-09	1.51E-08	7.60E-09	2.75E-09	1.03E-08
353	609533.6	4170848	6.65E-08	2.96E-08	9.61E-08	1.10E-08	5.17E-09	1.62E-08	8.15E-09	2.95E-09	1.11E-08
354	609543.5	4170848	6.76E-08	3.01E-08	9.78E-08	1.12E-08	5.26E-09	1.65E-08	8.29E-09	3.00E-09	1.13E-08
355	609553.3	4170848	6.86E-08	3.05E-08	9.91E-08	1.14E-08	5.33E-09	1.67E-08	8.41E-09	3.04E-09	1.15E-08
356	609563.2	4170848	6.93E-08	3.09E-08	1.00E-07	1.15E-08	5.39E-09	1.69E-08	8.50E-09	3.08E-09	1.16E-08
357	609573	4170848	6.98E-08	3.11E-08	1.01E-07	1.16E-08	5.42E-09	1.70E-08	8.56E-09	3.10E-09	1.17E-08
358	609582.9	4170848	7.00E-08	3.12E-08	1.01E-07	1.16E-08	5.44E-09	1.71E-08	8.59E-09	3.11E-09	1.17E-08
359	609592.7	4170848	7.00E-08	3.11E-08	1.01E-07	1.16E-08	5.44E-09	1.71E-08	8.58E-09	3.11E-09	1.17E-08
360	609273.6	4170842	1.78E-08	7.94E-09	2.58E-08	2.96E-09	1.39E-09	4.35E-09	2.19E-09	7.92E-10	2.98E-09
361	609265.2	4170839	1.75E-08	7.80E-09	2.53E-08	2.91E-09	1.36E-09	4.27E-09	2.15E-09	7.78E-10	2.93E-09
362	609256.8	4170835	1.72E-08	7.65E-09	2.49E-08	2.86E-09	1.34E-09	4.19E-09	2.11E-09	7.63E-10	2.87E-09
363	609248.4	4170832	1.68E-08	7.50E-09	2.43E-08	2.80E-09	1.31E-09	4.11E-09	2.07E-09	7.48E-10	2.81E-09
364	609240.1	4170828	1.65E-08	7.34E-09	2.38E-08	2.74E-09	1.28E-09	4.02E-09	2.02E-09	7.32E-10	2.75E-09
365	609231.7	4170825	1.61E-08	7.16E-09	2.33E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.15E-10	2.69E-09
366	609223.3	4170821	1.57E-08	6.98E-09	2.27E-08	2.60E-09	1.22E-09	3.82E-09	1.92E-09	6.96E-10	2.62E-09
367	609211.5	4170809	1.56E-08	6.94E-09	2.25E-08	2.59E-09	1.21E-09	3.80E-09	1.91E-09	6.92E-10	2.60E-09
368	609208.1	4170800	1.59E-08	7.09E-09	2.30E-08	2.64E-09	1.24E-09	3.88E-09	1.95E-09	7.07E-10	2.66E-09
369	609204.8	4170792	1.62E-08	7.22E-09	2.34E-08	2.69E-09	1.26E-09	3.95E-09	1.99E-09	7.20E-10	2.71E-09
370	609194.7	4170767	1.68E-08	7.50E-09	2.43E-08	2.80E-09	1.31E-09	4.11E-09	2.07E-09	7.48E-10	2.81E-09
371	609187.9	4170750	1.71E-08	7.60E-09	2.47E-08	2.84E-09	1.33E-09	4.16E-09	2.09E-09	7.58E-10	2.85E-09
372	609184.6	4170741	1.71E-08	7.62E-09	2.47E-08	2.84E-09	1.33E-09	4.18E-09	2.10E-09	7.60E-10	2.86E-09
373	609181.2	4170733	1.72E-08	7.63E-09	2.48E-08	2.85E-09	1.33E-09	4.18E-09	2.10E-09	7.61E-10	2.86E-09
374	609307.2	4170857	1.91E-08	8.48E-09	2.75E-08	3.17E-09	1.48E-09	4.65E-09	2.34E-09	8.46E-10	3.18E-09
375	609317	4170857	2.01E-08	8.93E-09	2.90E-08	3.33E-09	1.56E-09	4.89E-09	2.46E-09	8.91E-10	3.35E-09
376	609326.9	4170857	2.12E-08	9.43E-09	3.06E-08	3.52E-09	1.65E-09	5.17E-09	2.60E-09	9.41E-10	3.54E-09
377	609336.7	4170857	2.25E-08	9.99E-09	3.24E-08	3.73E-09	1.74E-09	5.47E-09	2.75E-09	9.97E-10	3.75E-09
378	609356.4	4170857	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.25E-09
379	609366.3	4170857	2.72E-08	1.21E-08	3.92E-08	4.51E-09	2.11E-09	6.62E-09	3.33E-09	1.21E-09	4.53E-09
380	609376.1	4170857	2.90E-08	1.29E-08	4.19E-08	4.82E-09	2.25E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
381	609386	4170857	3.10E-08	1.38E-08	4.48E-08	5.15E-09	2.41E-09	7.55E-09	3.80E-09	1.38E-09	5.17E-09
382	609395.8	4170857	3.30E-08	1.47E-08	4.77E-08	5.48E-09	2.57E-09	8.05E-09	4.05E-09	1.47E-09	5.51E-09
383	609405.6	4170857	3.51E-08	1.56E-08	5.07E-08	5.83E-09	2.73E-09	8.56E-09	4.30E-09	1.56E-09	5.86E-09
384	609415.5	4170857	3.72E-08	1.66E-08	5.38E-08	6.19E-09	2.89E-09	9.08E-09	4.57E-09	1.65E-09	6.22E-09
385	609425.3	4170857	3.94E-08	1.75E-08	5.69E-08	6.54E-09	3.06E-09	9.60E-09	4.83E-09	1.75E-09	6.58E-09
386	609454.9	4170857	4.57E-08	2.03E-08	6.60E-08	7.59E-09	3.55E-09	1.11E-08	5.60E-09	2.03E-09	7.63E-09
387	609464.7	4170857	4.77E-08	2.12E-08	6.90E-08	7.93E-09	3.71E-09	1.16E-08	5.85E-09	2.12E-09	7.97E-09
388	609474.5	4170857	4.97E-08	2.21E-08	7.18E-08	8.25E-09	3.86E-09	1.21E-08	6.09E-09	2.20E-09	8.29E-09

389	609484.4	4170857	5.15E-08	2.29E-08	7.44E-08	8.56E-09	4.00E-09	1.26E-08	6.31E-09	2.29E-09	8.60E-09
390	609494.2	4170857	5.32E-08	2.37E-08	7.69E-08	8.84E-09	4.14E-09	1.30E-08	6.53E-09	2.36E-09	8.89E-09
391	609504.1	4170857	5.49E-08	2.44E-08	7.93E-08	9.12E-09	4.27E-09	1.34E-08	6.73E-09	2.44E-09	9.17E-09
392	609533.6	4170858	5.91E-08	2.63E-08	8.54E-08	9.82E-09	4.59E-09	1.44E-08	7.25E-09	2.62E-09	9.87E-09
393	609543.4	4170858	6.02E-08	2.68E-08	8.70E-08	1.00E-08	4.68E-09	1.47E-08	7.38E-09	2.67E-09	1.01E-08
394	609553.3	4170858	6.11E-08	2.72E-08	8.83E-08	1.02E-08	4.75E-09	1.49E-08	7.49E-09	2.71E-09	1.02E-08
395	609563.1	4170858	6.19E-08	2.75E-08	8.94E-08	1.03E-08	4.81E-09	1.51E-08	7.58E-09	2.75E-09	1.03E-08
396	609573	4170858	6.24E-08	2.78E-08	9.02E-08	1.04E-08	4.85E-09	1.52E-08	7.65E-09	2.77E-09	1.04E-08
397	609582.8	4170858	6.27E-08	2.79E-08	9.06E-08	1.04E-08	4.87E-09	1.53E-08	7.69E-09	2.78E-09	1.05E-08
398	609592.7	4170858	6.27E-08	2.79E-08	9.07E-08	1.04E-08	4.88E-09	1.53E-08	7.69E-09	2.79E-09	1.05E-08
399	609298.1	4170863	1.74E-08	7.76E-09	2.52E-08	2.90E-09	1.36E-09	4.25E-09	2.14E-09	7.74E-10	2.91E-09
400	609271	4170851	1.66E-08	7.41E-09	2.40E-08	2.76E-09	1.29E-09	4.06E-09	2.04E-09	7.39E-10	2.78E-09
401	609262	4170847	1.64E-08	7.28E-09	2.36E-08	2.72E-09	1.27E-09	3.99E-09	2.01E-09	7.26E-10	2.73E-09
402	609252.9	4170844	1.60E-08	7.14E-09	2.32E-08	2.67E-09	1.25E-09	3.91E-09	1.97E-09	7.12E-10	2.68E-09
403	609243.9	4170840	1.57E-08	7.00E-09	2.27E-08	2.61E-09	1.22E-09	3.83E-09	1.93E-09	6.98E-10	2.63E-09
404	609234.8	4170836	1.54E-08	6.84E-09	2.22E-08	2.55E-09	1.19E-09	3.75E-09	1.89E-09	6.83E-10	2.57E-09
405	609225.8	4170832	1.50E-08	6.68E-09	2.17E-08	2.49E-09	1.17E-09	3.66E-09	1.84E-09	6.66E-10	2.51E-09
406	609216.8	4170828	1.46E-08	6.51E-09	2.11E-08	2.43E-09	1.14E-09	3.56E-09	1.79E-09	6.49E-10	2.44E-09
407	609204.1	4170815	1.45E-08	6.47E-09	2.10E-08	2.42E-09	1.13E-09	3.55E-09	1.78E-09	6.46E-10	2.43E-09
408	609200.5	4170806	1.49E-08	6.61E-09	2.15E-08	2.47E-09	1.15E-09	3.62E-09	1.82E-09	6.59E-10	2.48E-09
409	609196.8	4170797	1.51E-08	6.74E-09	2.19E-08	2.51E-09	1.18E-09	3.69E-09	1.86E-09	6.72E-10	2.53E-09
410	609186	4170770	1.57E-08	7.00E-09	2.27E-08	2.61E-09	1.22E-09	3.83E-09	1.93E-09	6.98E-10	2.63E-09
411	609182.3	4170761	1.58E-08	7.05E-09	2.29E-08	2.63E-09	1.23E-09	3.86E-09	1.94E-09	7.03E-10	2.65E-09
412	609178.7	4170751	1.59E-08	7.09E-09	2.30E-08	2.65E-09	1.24E-09	3.88E-09	1.95E-09	7.07E-10	2.66E-09
413	609175.1	4170742	1.60E-08	7.11E-09	2.31E-08	2.65E-09	1.24E-09	3.89E-09	1.96E-09	7.09E-10	2.67E-09
414	609171.4	4170733	1.60E-08	7.12E-09	2.31E-08	2.66E-09	1.24E-09	3.90E-09	1.96E-09	7.10E-10	2.67E-09
415	609307.2	4170867	1.77E-08	7.88E-09	2.56E-08	2.94E-09	1.38E-09	4.32E-09	2.17E-09	7.86E-10	2.96E-09
416	609317	4170867	1.86E-08	8.27E-09	2.69E-08	3.09E-09	1.44E-09	4.53E-09	2.28E-09	8.25E-10	3.10E-09
417	609326.8	4170867	1.96E-08	8.70E-09	2.83E-08	3.25E-09	1.52E-09	4.77E-09	2.40E-09	8.68E-10	3.26E-09
418	609336.7	4170867	2.06E-08	9.18E-09	2.98E-08	3.43E-09	1.60E-09	5.03E-09	2.53E-09	9.16E-10	3.45E-09
419	609356.4	4170867	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
420	609366.2	4170867	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
421	609376.1	4170867	2.62E-08	1.17E-08	3.79E-08	4.35E-09	2.04E-09	6.39E-09	3.21E-09	1.16E-09	4.38E-09
422	609385.9	4170867	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.17E-09	6.80E-09	3.42E-09	1.24E-09	4.65E-09
423	609395.7	4170867	2.96E-08	1.32E-08	4.28E-08	4.92E-09	2.30E-09	7.22E-09	3.63E-09	1.31E-09	4.95E-09
424	609405.6	4170867	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.66E-09	3.85E-09	1.39E-09	5.25E-09
425	609415.4	4170867	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.11E-09	4.08E-09	1.48E-09	5.56E-09
426	609425.3	4170867	3.51E-08	1.56E-08	5.08E-08	5.84E-09	2.73E-09	8.57E-09	4.31E-09	1.56E-09	5.87E-09
427	609454.8	4170867	4.07E-08	1.81E-08	5.88E-08	6.76E-09	3.16E-09	9.92E-09	4.99E-09	1.81E-09	6.79E-09
428	609464.7	4170867	4.25E-08	1.89E-08	6.14E-08	7.06E-09	3.30E-09	1.04E-08	5.21E-09	1.89E-09	7.09E-09
429	609474.5	4170867	4.42E-08	1.97E-08	6.39E-08	7.34E-09	3.43E-09	1.08E-08	5.42E-09	1.96E-09	7.38E-09
430	609484.3	4170867	4.59E-08	2.04E-08	6.63E-08	7.62E-09	3.56E-09	1.12E-08	5.62E-09	2.04E-09	7.66E-09
431	609494.2	4170867	4.74E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.92E-09
432	609504	4170867	4.89E-08	2.18E-08	7.07E-08	8.13E-09	3.80E-09	1.19E-08	6.00E-09	2.17E-09	8.17E-09
433	609533.6	4170868	5.28E-08	2.35E-08	7.63E-08	8.78E-09	4.10E-09	1.29E-08	6.48E-09	2.34E-09	8.82E-09
434	609543.4	4170868	5.39E-08	2.40E-08	7.78E-08	8.95E-09	4.19E-09	1.31E-08	6.60E-09	2.39E-09	9.00E-09
435	609553.2	4170868	5.48E-08	2.44E-08	7.91E-08	9.10E-09	4.25E-09	1.33E-08	6.71E-09	2.43E-09	9.14E-09
436	609563.1	4170868	5.55E-08	2.47E-08	8.02E-08	9.22E-09	4.31E-09	1.35E-08	6.80E-09	2.46E-09	9.27E-09
437	609572.9	4170868	5.60E-08	2.49E-08	8.10E-08	9.31E-09	4.35E-09	1.37E-08	6.87E-09	2.49E-09	9.36E-09
438	609582.8	4170868	5.64E-08	2.51E-08	8.15E-08	9.37E-09	4.38E-09	1.37E-08	6.91E-09	2.50E-09	9.42E-09
439	609592.6	4170868	5.65E-08	2.52E-08	8.17E-08	9.39E-09	4.39E-09	1.38E-08	6.93E-09	2.51E-09	9.44E-09
440	609298.2	4170873	1.63E-08	7.25E-09	2.35E-08	2.70E-09	1.27E-09	3.97E-09	2.00E-09	7.23E-10	2.72E-09
441	609289.4	4170869	1.61E-08	7.15E-09	2.32E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.13E-10	2.68E-09
442	609262.7	4170858	1.54E-08	6.86E-09	2.23E-08	2.56E-09	1.20E-09	3.76E-09	1.89E-09	6.84E-10	2.57E-09
443	609253.8	4170854	1.52E-08	6.74E-09	2.19E-08	2.52E-09	1.18E-09	3.70E-09	1.86E-09	6.73E-10	2.53E-09
444	609245	4170850	1.49E-08	6.63E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.83E-09	6.61E-10	2.49E-09

445	609236.1	4170846	1.46E-08	6.50E-09	2.11E-08	2.43E-09	1.13E-09	3.56E-09	1.79E-09	6.48E-10	2.44E-09
446	609227.2	4170843	1.43E-08	6.37E-09	2.07E-08	2.38E-09	1.11E-09	3.49E-09	1.75E-09	6.35E-10	2.39E-09
447	609218.3	4170839	1.40E-08	6.22E-09	2.02E-08	2.32E-09	1.09E-09	3.41E-09	1.71E-09	6.21E-10	2.34E-09
448	609209.5	4170835	1.36E-08	6.07E-09	1.97E-08	2.27E-09	1.06E-09	3.33E-09	1.67E-09	6.06E-10	2.28E-09
449	609197	4170822	1.36E-08	6.05E-09	1.96E-08	2.26E-09	1.06E-09	3.31E-09	1.67E-09	6.03E-10	2.27E-09
450	609193.5	4170814	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.31E-09
451	609189.9	4170805	1.41E-08	6.28E-09	2.04E-08	2.34E-09	1.10E-09	3.44E-09	1.73E-09	6.26E-10	2.36E-09
452	609179.2	4170778	1.47E-08	6.53E-09	2.12E-08	2.44E-09	1.14E-09	3.58E-09	1.80E-09	6.51E-10	2.45E-09
453	609175.6	4170769	1.48E-08	6.58E-09	2.14E-08	2.46E-09	1.15E-09	3.60E-09	1.81E-09	6.56E-10	2.47E-09
454	609172.1	4170760	1.49E-08	6.62E-09	2.15E-08	2.47E-09	1.16E-09	3.62E-09	1.82E-09	6.60E-10	2.48E-09
455	609168.5	4170751	1.49E-08	6.64E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.62E-10	2.49E-09
456	609164.9	4170742	1.49E-08	6.65E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.63E-10	2.49E-09
457	609161.4	4170733	1.49E-08	6.65E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.63E-10	2.49E-09
458	609307.1	4170877	1.65E-08	7.34E-09	2.38E-08	2.74E-09	1.28E-09	4.02E-09	2.02E-09	7.32E-10	2.76E-09
459	609317	4170877	1.73E-08	7.68E-09	2.49E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.66E-10	2.88E-09
460	609326.8	4170877	1.81E-08	8.06E-09	2.62E-08	3.01E-09	1.41E-09	4.41E-09	2.22E-09	8.03E-10	3.02E-09
461	609336.6	4170877	1.90E-08	8.47E-09	2.75E-08	3.16E-09	1.48E-09	4.64E-09	2.33E-09	8.45E-10	3.18E-09
462	609356.3	4170877	2.12E-08	9.44E-09	3.07E-08	3.52E-09	1.65E-09	5.17E-09	2.60E-09	9.41E-10	3.54E-09
463	609366.2	4170877	2.25E-08	9.99E-09	3.25E-08	3.73E-09	1.74E-09	5.48E-09	2.75E-09	9.97E-10	3.75E-09
464	609376	4170877	2.38E-08	1.06E-08	3.44E-08	3.95E-09	1.85E-09	5.80E-09	2.92E-09	1.06E-09	3.97E-09
465	609385.9	4170877	2.52E-08	1.12E-08	3.65E-08	4.19E-09	1.96E-09	6.15E-09	3.09E-09	1.12E-09	4.21E-09
466	609395.7	4170877	2.67E-08	1.19E-08	3.86E-08	4.44E-09	2.08E-09	6.52E-09	3.28E-09	1.19E-09	4.47E-09
467	609405.5	4170877	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.90E-09	3.47E-09	1.26E-09	4.73E-09
468	609415.4	4170877	2.99E-08	1.33E-08	4.33E-08	4.97E-09	2.33E-09	7.30E-09	3.67E-09	1.33E-09	5.00E-09
469	609425.2	4170877	3.16E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.69E-09	3.87E-09	1.40E-09	5.27E-09
470	609454.8	4170877	3.64E-08	1.62E-08	5.27E-08	6.05E-09	2.83E-09	8.89E-09	4.47E-09	1.62E-09	6.09E-09
471	609464.6	4170877	3.80E-08	1.69E-08	5.50E-08	6.32E-09	2.96E-09	9.27E-09	4.66E-09	1.69E-09	6.35E-09
472	609474.5	4170877	3.96E-08	1.76E-08	5.72E-08	6.57E-09	3.08E-09	9.65E-09	4.85E-09	1.76E-09	6.61E-09
473	609484.3	4170877	4.11E-08	1.83E-08	5.94E-08	6.82E-09	3.19E-09	1.00E-08	5.04E-09	1.82E-09	6.86E-09
474	609494.1	4170877	4.25E-08	1.89E-08	6.14E-08	7.06E-09	3.30E-09	1.04E-08	5.21E-09	1.89E-09	7.10E-09
475	609504	4170877	4.39E-08	1.95E-08	6.34E-08	7.29E-09	3.41E-09	1.07E-08	5.38E-09	1.95E-09	7.33E-09
476	609533.5	4170878	4.74E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.92E-09
477	609543.4	4170878	4.84E-08	2.16E-08	7.00E-08	8.05E-09	3.76E-09	1.18E-08	5.94E-09	2.15E-09	8.09E-09
478	609553.2	4170878	4.93E-08	2.19E-08	7.12E-08	8.19E-09	3.83E-09	1.20E-08	6.04E-09	2.19E-09	8.23E-09
479	609563	4170878	5.00E-08	2.23E-08	7.23E-08	8.31E-09	3.89E-09	1.22E-08	6.13E-09	2.22E-09	8.35E-09
480	609572.9	4170878	5.06E-08	2.25E-08	7.31E-08	8.40E-09	3.93E-09	1.23E-08	6.20E-09	2.24E-09	8.44E-09
481	609582.7	4170878	5.09E-08	2.27E-08	7.36E-08	8.46E-09	3.96E-09	1.24E-08	6.25E-09	2.26E-09	8.51E-09
482	609592.6	4170878	5.12E-08	2.28E-08	7.39E-08	8.50E-09	3.97E-09	1.25E-08	6.27E-09	2.27E-09	8.54E-09
483	609298.3	4170883	1.52E-08	6.78E-09	2.20E-08	2.53E-09	1.18E-09	3.71E-09	1.87E-09	6.76E-10	2.54E-09
484	609289.6	4170879	1.51E-08	6.70E-09	2.18E-08	2.50E-09	1.17E-09	3.67E-09	1.85E-09	6.68E-10	2.51E-09
485	609280.8	4170875	1.49E-08	6.63E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.83E-09	6.61E-10	2.49E-09
486	609254.6	4170864	1.43E-08	6.38E-09	2.07E-08	2.38E-09	1.11E-09	3.49E-09	1.76E-09	6.36E-10	2.39E-09
487	609245.9	4170861	1.41E-08	6.28E-09	2.04E-08	2.34E-09	1.10E-09	3.44E-09	1.73E-09	6.26E-10	2.36E-09
488	609237.1	4170857	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.32E-09
489	609228.4	4170853	1.36E-08	6.06E-09	1.97E-08	2.26E-09	1.06E-09	3.32E-09	1.67E-09	6.04E-10	2.27E-09
490	609219.7	4170850	1.34E-08	5.95E-09	1.93E-08	2.22E-09	1.04E-09	3.26E-09	1.64E-09	5.93E-10	2.23E-09
491	609210.9	4170846	1.31E-08	5.82E-09	1.89E-08	2.17E-09	1.02E-09	3.19E-09	1.60E-09	5.81E-10	2.18E-09
492	609202.2	4170842	1.28E-08	5.69E-09	1.85E-08	2.12E-09	9.94E-10	3.12E-09	1.57E-09	5.68E-10	2.14E-09
493	609189.9	4170830	1.27E-08	5.67E-09	1.84E-08	2.12E-09	9.90E-10	3.11E-09	1.56E-09	5.65E-10	2.13E-09
494	609186.4	4170821	1.30E-08	5.77E-09	1.87E-08	2.16E-09	1.01E-09	3.16E-09	1.59E-09	5.76E-10	2.17E-09
495	609182.9	4170812	1.32E-08	5.87E-09	1.91E-08	2.19E-09	1.03E-09	3.22E-09	1.62E-09	5.86E-10	2.20E-09
496	609172.4	4170785	1.37E-08	6.11E-09	1.98E-08	2.28E-09	1.07E-09	3.34E-09	1.68E-09	6.09E-10	2.29E-09
497	609168.9	4170777	1.38E-08	6.16E-09	2.00E-08	2.30E-09	1.08E-09	3.37E-09	1.70E-09	6.14E-10	2.31E-09
498	609165.4	4170768	1.39E-08	6.20E-09	2.01E-08	2.31E-09	1.08E-09	3.40E-09	1.71E-09	6.18E-10	2.33E-09
499	609161.9	4170759	1.40E-08	6.22E-09	2.02E-08	2.32E-09	1.09E-09	3.41E-09	1.71E-09	6.21E-10	2.34E-09
500	609158.3	4170750	1.40E-08	6.23E-09	2.02E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.22E-10	2.34E-09

501	609154.8	4170741	1.40E-08	6.23E-09	2.02E-08	2.33E-09	1.09E-09	3.41E-09	1.72E-09	6.22E-10	2.34E-09
502	609151.3	4170733	1.40E-08	6.23E-09	2.02E-08	2.32E-09	1.09E-09	3.41E-09	1.72E-09	6.21E-10	2.34E-09
503	609307.1	4170887	1.54E-08	6.86E-09	2.23E-08	2.56E-09	1.20E-09	3.76E-09	1.89E-09	6.84E-10	2.57E-09
504	609316.9	4170887	1.61E-08	7.15E-09	2.32E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.14E-10	2.68E-09
505	609326.8	4170887	1.68E-08	7.48E-09	2.43E-08	2.79E-09	1.31E-09	4.10E-09	2.06E-09	7.46E-10	2.81E-09
506	609336.6	4170887	1.76E-08	7.84E-09	2.55E-08	2.93E-09	1.37E-09	4.30E-09	2.16E-09	7.82E-10	2.94E-09
507	609356.3	4170887	1.95E-08	8.68E-09	2.82E-08	3.24E-09	1.52E-09	4.75E-09	2.39E-09	8.66E-10	3.26E-09
508	609366.1	4170887	2.06E-08	9.16E-09	2.97E-08	3.42E-09	1.60E-09	5.02E-09	2.52E-09	9.13E-10	3.44E-09
509	609376	4170887	2.17E-08	9.67E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.66E-09	9.64E-10	3.63E-09
510	609385.8	4170887	2.30E-08	1.02E-08	3.32E-08	3.81E-09	1.78E-09	5.60E-09	2.82E-09	1.02E-09	3.83E-09
511	609395.7	4170887	2.43E-08	1.08E-08	3.51E-08	4.03E-09	1.89E-09	5.92E-09	2.98E-09	1.08E-09	4.05E-09
512	609405.5	4170887	2.57E-08	1.14E-08	3.71E-08	4.26E-09	1.99E-09	6.26E-09	3.15E-09	1.14E-09	4.28E-09
513	609415.3	4170887	2.71E-08	1.20E-08	3.91E-08	4.50E-09	2.10E-09	6.60E-09	3.32E-09	1.20E-09	4.52E-09
514	609425.2	4170887	2.85E-08	1.27E-08	4.12E-08	4.73E-09	2.21E-09	6.95E-09	3.49E-09	1.26E-09	4.76E-09
515	609454.7	4170887	3.28E-08	1.46E-08	4.74E-08	5.45E-09	2.55E-09	8.00E-09	4.02E-09	1.46E-09	5.48E-09
516	609464.6	4170887	3.42E-08	1.52E-08	4.95E-08	5.69E-09	2.66E-09	8.35E-09	4.20E-09	1.52E-09	5.72E-09
517	609474.4	4170887	3.56E-08	1.59E-08	5.15E-08	5.92E-09	2.77E-09	8.69E-09	4.37E-09	1.58E-09	5.95E-09
518	609484.2	4170887	3.70E-08	1.65E-08	5.35E-08	6.14E-09	2.87E-09	9.02E-09	4.54E-09	1.64E-09	6.18E-09
519	609494.1	4170887	3.83E-08	1.70E-08	5.53E-08	6.36E-09	2.98E-09	9.34E-09	4.69E-09	1.70E-09	6.39E-09
520	609503.9	4170887	3.95E-08	1.76E-08	5.71E-08	6.57E-09	3.07E-09	9.64E-09	4.85E-09	1.75E-09	6.60E-09
521	609533.5	4170888	4.28E-08	1.91E-08	6.19E-08	7.11E-09	3.33E-09	1.04E-08	5.25E-09	1.90E-09	7.15E-09
522	609543.3	4170888	4.37E-08	1.95E-08	6.32E-08	7.27E-09	3.40E-09	1.07E-08	5.36E-09	1.94E-09	7.31E-09
523	609553.2	4170888	4.46E-08	1.98E-08	6.44E-08	7.40E-09	3.46E-09	1.09E-08	5.46E-09	1.98E-09	7.44E-09
524	609563	4170888	4.53E-08	2.01E-08	6.54E-08	7.52E-09	3.52E-09	1.10E-08	5.55E-09	2.01E-09	7.56E-09
525	609572.8	4170888	4.58E-08	2.04E-08	6.62E-08	7.61E-09	3.56E-09	1.12E-08	5.62E-09	2.03E-09	7.65E-09
526	609582.7	4170888	4.62E-08	2.06E-08	6.68E-08	7.68E-09	3.59E-09	1.13E-08	5.67E-09	2.05E-09	7.72E-09
527	609592.5	4170888	4.65E-08	2.07E-08	6.72E-08	7.72E-09	3.61E-09	1.13E-08	5.70E-09	2.06E-09	7.76E-09
528	609298.4	4170893	1.43E-08	6.36E-09	2.06E-08	2.37E-09	1.11E-09	3.48E-09	1.75E-09	6.34E-10	2.38E-09
529	609289.8	4170889	1.41E-08	6.29E-09	2.04E-08	2.35E-09	1.10E-09	3.45E-09	1.73E-09	6.28E-10	2.36E-09
530	609281.2	4170886	1.40E-08	6.23E-09	2.02E-08	2.33E-09	1.09E-09	3.41E-09	1.72E-09	6.22E-10	2.34E-09
531	609272.5	4170882	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.31E-09
532	609246.7	4170871	1.34E-08	5.95E-09	1.93E-08	2.22E-09	1.04E-09	3.26E-09	1.64E-09	5.94E-10	2.23E-09
533	609238	4170867	1.32E-08	5.86E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.62E-09	5.85E-10	2.20E-09
534	609229.4	4170864	1.30E-08	5.77E-09	1.87E-08	2.15E-09	1.01E-09	3.16E-09	1.59E-09	5.76E-10	2.17E-09
535	609220.8	4170860	1.28E-08	5.68E-09	1.84E-08	2.12E-09	9.91E-10	3.11E-09	1.56E-09	5.66E-10	2.13E-09
536	609212.2	4170856	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.73E-10	3.05E-09	1.54E-09	5.56E-10	2.09E-09
537	609203.5	4170853	1.23E-08	5.47E-09	1.77E-08	2.04E-09	9.54E-10	2.99E-09	1.51E-09	5.45E-10	2.05E-09
538	609194.9	4170849	1.20E-08	5.35E-09	1.74E-08	2.00E-09	9.34E-10	2.93E-09	1.47E-09	5.34E-10	2.01E-09
539	609182.8	4170837	1.20E-08	5.33E-09	1.73E-08	1.99E-09	9.31E-10	2.92E-09	1.47E-09	5.32E-10	2.00E-09
540	609179.4	4170828	1.22E-08	5.42E-09	1.76E-08	2.02E-09	9.47E-10	2.97E-09	1.49E-09	5.41E-10	2.04E-09
541	609175.9	4170819	1.24E-08	5.51E-09	1.79E-08	2.06E-09	9.62E-10	3.02E-09	1.52E-09	5.50E-10	2.07E-09
542	609162.1	4170784	1.30E-08	5.78E-09	1.88E-08	2.16E-09	1.01E-09	3.17E-09	1.59E-09	5.77E-10	2.17E-09
543	609158.6	4170776	1.31E-08	5.82E-09	1.89E-08	2.17E-09	1.02E-09	3.19E-09	1.60E-09	5.81E-10	2.19E-09
544	609155.1	4170767	1.31E-08	5.85E-09	1.90E-08	2.18E-09	1.02E-09	3.21E-09	1.61E-09	5.83E-10	2.20E-09
545	609151.7	4170758	1.32E-08	5.86E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.62E-09	5.85E-10	2.20E-09
546	609148.2	4170750	1.32E-08	5.87E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.62E-09	5.85E-10	2.20E-09
547	609144.7	4170741	1.32E-08	5.86E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.61E-09	5.84E-10	2.20E-09
548	609141.3	4170732	1.31E-08	5.85E-09	1.90E-08	2.18E-09	1.02E-09	3.20E-09	1.61E-09	5.83E-10	2.19E-09
549	609307	4170897	1.44E-08	6.42E-09	2.08E-08	2.40E-09	1.12E-09	3.52E-09	1.77E-09	6.40E-10	2.41E-09
550	609316.9	4170897	1.50E-08	6.68E-09	2.17E-08	2.49E-09	1.17E-09	3.66E-09	1.84E-09	6.66E-10	2.51E-09
551	609326.7	4170897	1.57E-08	6.97E-09	2.26E-08	2.60E-09	1.22E-09	3.82E-09	1.92E-09	6.95E-10	2.61E-09
552	609336.6	4170897	1.64E-08	7.28E-09	2.36E-08	2.72E-09	1.27E-09	3.99E-09	2.01E-09	7.26E-10	2.73E-09
553	609356.2	4170897	1.80E-08	8.01E-09	2.60E-08	2.99E-09	1.40E-09	4.39E-09	2.21E-09	7.99E-10	3.01E-09
554	609366.1	4170897	1.89E-08	8.43E-09	2.74E-08	3.15E-09	1.47E-09	4.62E-09	2.32E-09	8.40E-10	3.16E-09
555	609375.9	4170897	1.99E-08	8.87E-09	2.88E-08	3.31E-09	1.55E-09	4.86E-09	2.44E-09	8.85E-10	3.33E-09
556	609385.8	4170897	2.10E-08	9.35E-09	3.04E-08	3.49E-09	1.63E-09	5.12E-09	2.58E-09	9.33E-10	3.51E-09

557	609395.6	4170897	2.22E-08	9.86E-09	3.20E-08	3.68E-09	1.72E-09	5.40E-09	2.72E-09	9.84E-10	3.70E-09
558	609405.5	4170897	2.34E-08	1.04E-08	3.38E-08	3.88E-09	1.82E-09	5.70E-09	2.86E-09	1.04E-09	3.90E-09
559	609415.3	4170897	2.46E-08	1.09E-08	3.55E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
560	609425.1	4170897	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.31E-09	3.17E-09	1.15E-09	4.32E-09
561	609454.7	4170897	2.97E-08	1.32E-08	4.29E-08	4.94E-09	2.31E-09	7.25E-09	3.64E-09	1.32E-09	4.96E-09
562	609464.5	4170897	3.10E-08	1.38E-08	4.48E-08	5.15E-09	2.41E-09	7.56E-09	3.80E-09	1.38E-09	5.18E-09
563	609474.4	4170897	3.22E-08	1.44E-08	4.66E-08	5.36E-09	2.51E-09	7.86E-09	3.95E-09	1.43E-09	5.38E-09
564	609484.2	4170897	3.35E-08	1.49E-08	4.84E-08	5.56E-09	2.60E-09	8.16E-09	4.10E-09	1.49E-09	5.59E-09
565	609494	4170897	3.47E-08	1.54E-08	5.01E-08	5.76E-09	2.69E-09	8.45E-09	4.25E-09	1.54E-09	5.79E-09
566	609503.9	4170897	3.58E-08	1.59E-08	5.17E-08	5.94E-09	2.78E-09	8.73E-09	4.39E-09	1.59E-09	5.98E-09
567	609533.4	4170898	3.88E-08	1.73E-08	5.61E-08	6.45E-09	3.02E-09	9.46E-09	4.76E-09	1.72E-09	6.48E-09
568	609543.3	4170898	3.97E-08	1.77E-08	5.73E-08	6.59E-09	3.08E-09	9.68E-09	4.87E-09	1.76E-09	6.63E-09
569	609553.1	4170898	4.05E-08	1.80E-08	5.85E-08	6.72E-09	3.14E-09	9.86E-09	4.96E-09	1.80E-09	6.76E-09
570	609563	4170898	4.11E-08	1.83E-08	5.94E-08	6.83E-09	3.19E-09	1.00E-08	5.04E-09	1.83E-09	6.87E-09
571	609572.8	4170898	4.17E-08	1.85E-08	6.02E-08	6.92E-09	3.24E-09	1.02E-08	5.11E-09	1.85E-09	6.96E-09
572	609582.6	4170898	4.21E-08	1.87E-08	6.08E-08	6.99E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
573	609592.5	4170898	4.24E-08	1.89E-08	6.12E-08	7.04E-09	3.29E-09	1.03E-08	5.20E-09	1.88E-09	7.08E-09
574	609298.5	4170903	1.34E-08	5.97E-09	1.94E-08	2.23E-09	1.04E-09	3.27E-09	1.64E-09	5.95E-10	2.24E-09
575	609289.9	4170899	1.33E-08	5.92E-09	1.92E-08	2.21E-09	1.03E-09	3.24E-09	1.63E-09	5.90E-10	2.22E-09
576	609281.4	4170896	1.32E-08	5.87E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.62E-09	5.85E-10	2.20E-09
577	609272.9	4170892	1.31E-08	5.82E-09	1.89E-08	2.17E-09	1.02E-09	3.19E-09	1.60E-09	5.80E-10	2.18E-09
578	609264.4	4170888	1.30E-08	5.77E-09	1.87E-08	2.15E-09	1.01E-09	3.16E-09	1.59E-09	5.75E-10	2.16E-09
579	609238.8	4170878	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.73E-10	3.05E-09	1.54E-09	5.56E-10	2.09E-09
580	609230.3	4170874	1.24E-08	5.50E-09	1.79E-08	2.05E-09	9.60E-10	3.01E-09	1.51E-09	5.48E-10	2.06E-09
581	609221.8	4170870	1.22E-08	5.42E-09	1.76E-08	2.02E-09	9.46E-10	2.97E-09	1.49E-09	5.41E-10	2.03E-09
582	609213.2	4170867	1.20E-08	5.33E-09	1.73E-08	1.99E-09	9.31E-10	2.92E-09	1.47E-09	5.32E-10	2.00E-09
583	609204.7	4170863	1.18E-08	5.24E-09	1.70E-08	1.96E-09	9.15E-10	2.87E-09	1.44E-09	5.23E-10	1.97E-09
584	609196.2	4170860	1.16E-08	5.15E-09	1.67E-08	1.92E-09	8.98E-10	2.82E-09	1.42E-09	5.13E-10	1.93E-09
585	609187.7	4170856	1.13E-08	5.04E-09	1.64E-08	1.88E-09	8.80E-10	2.76E-09	1.39E-09	5.03E-10	1.89E-09
586	609175.7	4170844	1.13E-08	5.03E-09	1.63E-08	1.88E-09	8.77E-10	2.75E-09	1.38E-09	5.01E-10	1.89E-09
587	609172.3	4170835	1.15E-08	5.11E-09	1.66E-08	1.91E-09	8.92E-10	2.80E-09	1.41E-09	5.10E-10	1.92E-09
588	609168.9	4170827	1.17E-08	5.19E-09	1.69E-08	1.94E-09	9.06E-10	2.84E-09	1.43E-09	5.18E-10	1.95E-09
589	609165.5	4170818	1.18E-08	5.26E-09	1.71E-08	1.96E-09	9.19E-10	2.88E-09	1.45E-09	5.25E-10	1.98E-09
590	609155.2	4170792	1.22E-08	5.44E-09	1.77E-08	2.03E-09	9.51E-10	2.98E-09	1.50E-09	5.43E-10	2.04E-09
591	609151.8	4170784	1.23E-08	5.49E-09	1.78E-08	2.05E-09	9.58E-10	3.01E-09	1.51E-09	5.47E-10	2.06E-09
592	609148.3	4170775	1.24E-08	5.52E-09	1.79E-08	2.06E-09	9.63E-10	3.02E-09	1.52E-09	5.50E-10	2.07E-09
593	609144.9	4170766	1.24E-08	5.53E-09	1.80E-08	2.06E-09	9.66E-10	3.03E-09	1.52E-09	5.52E-10	2.08E-09
594	609141.5	4170758	1.24E-08	5.54E-09	1.80E-08	2.07E-09	9.67E-10	3.03E-09	1.53E-09	5.52E-10	2.08E-09
595	609138.1	4170749	1.24E-08	5.53E-09	1.80E-08	2.06E-09	9.66E-10	3.03E-09	1.52E-09	5.52E-10	2.08E-09
596	609134.7	4170741	1.24E-08	5.52E-09	1.79E-08	2.06E-09	9.64E-10	3.02E-09	1.52E-09	5.51E-10	2.07E-09
597	609307	4170907	1.35E-08	6.02E-09	1.96E-08	2.25E-09	1.05E-09	3.30E-09	1.66E-09	6.01E-10	2.26E-09
598	609316.8	4170907	1.40E-08	6.25E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.23E-10	2.35E-09
599	609326.7	4170907	1.46E-08	6.50E-09	2.11E-08	2.43E-09	1.14E-09	3.56E-09	1.79E-09	6.49E-10	2.44E-09
600	609336.5	4170907	1.52E-08	6.78E-09	2.20E-08	2.53E-09	1.18E-09	3.71E-09	1.87E-09	6.76E-10	2.54E-09
601	609366	4170907	1.75E-08	7.78E-09	2.53E-08	2.91E-09	1.36E-09	4.26E-09	2.14E-09	7.76E-10	2.92E-09
602	609375.9	4170907	1.84E-08	8.18E-09	2.65E-08	3.05E-09	1.43E-09	4.48E-09	2.25E-09	8.15E-10	3.07E-09
603	609385.7	4170907	1.93E-08	8.60E-09	2.79E-08	3.21E-09	1.50E-09	4.71E-09	2.37E-09	8.57E-10	3.23E-09
604	609395.6	4170907	2.03E-08	9.04E-09	2.94E-08	3.37E-09	1.58E-09	4.95E-09	2.49E-09	9.02E-10	3.39E-09
605	609405.4	4170907	2.14E-08	9.51E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.48E-10	3.57E-09
606	609415.3	4170907	2.25E-08	9.99E-09	3.24E-08	3.73E-09	1.74E-09	5.47E-09	2.75E-09	9.97E-10	3.75E-09
607	609425.1	4170907	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.83E-09	5.75E-09	2.89E-09	1.05E-09	3.94E-09
608	609454.6	4170907	2.70E-08	1.20E-08	3.91E-08	4.49E-09	2.10E-09	6.59E-09	3.31E-09	1.20E-09	4.51E-09
609	609464.5	4170907	2.82E-08	1.25E-08	4.07E-08	4.68E-09	2.19E-09	6.87E-09	3.46E-09	1.25E-09	4.71E-09
610	609474.3	4170907	2.93E-08	1.30E-08	4.24E-08	4.87E-09	2.28E-09	7.15E-09	3.59E-09	1.30E-09	4.90E-09
611	609484.2	4170907	3.04E-08	1.35E-08	4.40E-08	5.05E-09	2.36E-09	7.42E-09	3.73E-09	1.35E-09	5.08E-09
612	609494	4170907	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.68E-09	3.86E-09	1.40E-09	5.26E-09

613	609503.8	4170907	3.25E-08	1.45E-08	4.70E-08	5.40E-09	2.53E-09	7.93E-09	3.99E-09	1.44E-09	5.43E-09
614	609533.4	4170908	3.53E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.62E-09	4.33E-09	1.57E-09	5.90E-09
615	609543.2	4170908	3.61E-08	1.61E-08	5.22E-08	6.00E-09	2.81E-09	8.81E-09	4.43E-09	1.60E-09	6.04E-09
616	609553.1	4170908	3.69E-08	1.64E-08	5.33E-08	6.12E-09	2.86E-09	8.99E-09	4.52E-09	1.64E-09	6.16E-09
617	609562.9	4170908	3.75E-08	1.67E-08	5.42E-08	6.23E-09	2.91E-09	9.14E-09	4.60E-09	1.66E-09	6.26E-09
618	609572.7	4170908	3.80E-08	1.69E-08	5.50E-08	6.32E-09	2.96E-09	9.27E-09	4.66E-09	1.69E-09	6.35E-09
619	609582.6	4170908	3.85E-08	1.71E-08	5.56E-08	6.39E-09	2.99E-09	9.38E-09	4.71E-09	1.71E-09	6.42E-09
620	609592.4	4170908	3.88E-08	1.73E-08	5.60E-08	6.44E-09	3.01E-09	9.45E-09	4.75E-09	1.72E-09	6.47E-09
621	609297.9	4170913	1.26E-08	5.61E-09	1.82E-08	2.09E-09	9.80E-10	3.07E-09	1.55E-09	5.60E-10	2.11E-09
622	609288.9	4170909	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.72E-10	3.05E-09	1.53E-09	5.55E-10	2.09E-09
623	609279.9	4170905	1.24E-08	5.52E-09	1.79E-08	2.06E-09	9.64E-10	3.03E-09	1.52E-09	5.51E-10	2.07E-09
624	609270.9	4170901	1.23E-08	5.48E-09	1.78E-08	2.04E-09	9.56E-10	3.00E-09	1.51E-09	5.46E-10	2.06E-09
625	609262	4170897	1.22E-08	5.43E-09	1.76E-08	2.03E-09	9.49E-10	2.98E-09	1.50E-09	5.42E-10	2.04E-09
626	609235	4170886	1.18E-08	5.27E-09	1.71E-08	1.97E-09	9.19E-10	2.89E-09	1.45E-09	5.25E-10	1.98E-09
627	609226	4170882	1.17E-08	5.20E-09	1.69E-08	1.94E-09	9.08E-10	2.85E-09	1.43E-09	5.19E-10	1.95E-09
628	609217	4170878	1.15E-08	5.13E-09	1.66E-08	1.91E-09	8.95E-10	2.81E-09	1.41E-09	5.11E-10	1.92E-09
629	609208	4170875	1.13E-08	5.05E-09	1.64E-08	1.88E-09	8.81E-10	2.77E-09	1.39E-09	5.03E-10	1.89E-09
630	609199	4170871	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
631	609190	4170867	1.09E-08	4.87E-09	1.58E-08	1.82E-09	8.50E-10	2.67E-09	1.34E-09	4.86E-10	1.83E-09
632	609181	4170863	1.07E-08	4.77E-09	1.55E-08	1.78E-09	8.33E-10	2.61E-09	1.31E-09	4.76E-10	1.79E-09
633	609168.4	4170850	1.07E-08	4.76E-09	1.54E-08	1.77E-09	8.30E-10	2.60E-09	1.31E-09	4.74E-10	1.78E-09
634	609164.8	4170841	1.09E-08	4.84E-09	1.57E-08	1.81E-09	8.44E-10	2.65E-09	1.33E-09	4.82E-10	1.81E-09
635	609161.2	4170832	1.10E-08	4.91E-09	1.60E-08	1.83E-09	8.58E-10	2.69E-09	1.35E-09	4.90E-10	1.84E-09
636	609146.7	4170796	1.16E-08	5.16E-09	1.67E-08	1.92E-09	9.00E-10	2.83E-09	1.42E-09	5.14E-10	1.93E-09
637	609143.1	4170787	1.17E-08	5.20E-09	1.69E-08	1.94E-09	9.07E-10	2.85E-09	1.43E-09	5.18E-10	1.95E-09
638	609139.5	4170778	1.17E-08	5.22E-09	1.70E-08	1.95E-09	9.12E-10	2.86E-09	1.44E-09	5.21E-10	1.96E-09
639	609135.9	4170769	1.18E-08	5.24E-09	1.70E-08	1.95E-09	9.14E-10	2.87E-09	1.44E-09	5.22E-10	1.96E-09
640	609132.3	4170760	1.18E-08	5.24E-09	1.70E-08	1.96E-09	9.15E-10	2.87E-09	1.44E-09	5.22E-10	1.97E-09
641	609128.7	4170750	1.18E-08	5.23E-09	1.70E-08	1.95E-09	9.13E-10	2.87E-09	1.44E-09	5.22E-10	1.96E-09
642	609306.9	4170917	1.27E-08	5.66E-09	1.84E-08	2.11E-09	9.88E-10	3.10E-09	1.56E-09	5.64E-10	2.12E-09
643	609316.8	4170917	1.32E-08	5.86E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.61E-09	5.85E-10	2.20E-09
644	609326.6	4170917	1.37E-08	6.08E-09	1.98E-08	2.27E-09	1.06E-09	3.33E-09	1.68E-09	6.07E-10	2.28E-09
645	609336.5	4170917	1.42E-08	6.33E-09	2.06E-08	2.36E-09	1.11E-09	3.47E-09	1.74E-09	6.31E-10	2.38E-09
646	609366	4170917	1.62E-08	7.22E-09	2.34E-08	2.69E-09	1.26E-09	3.95E-09	1.99E-09	7.20E-10	2.71E-09
647	609375.8	4170917	1.70E-08	7.56E-09	2.46E-08	2.82E-09	1.32E-09	4.14E-09	2.08E-09	7.54E-10	2.84E-09
648	609385.7	4170917	1.78E-08	7.93E-09	2.58E-08	2.96E-09	1.38E-09	4.34E-09	2.18E-09	7.91E-10	2.98E-09
649	609395.5	4170917	1.87E-08	8.32E-09	2.70E-08	3.11E-09	1.45E-09	4.56E-09	2.29E-09	8.30E-10	3.12E-09
650	609405.4	4170917	1.96E-08	8.73E-09	2.84E-08	3.26E-09	1.52E-09	4.78E-09	2.41E-09	8.71E-10	3.28E-09
651	609415.2	4170917	2.06E-08	9.16E-09	2.97E-08	3.42E-09	1.60E-09	5.02E-09	2.52E-09	9.14E-10	3.44E-09
652	609425.1	4170917	2.16E-08	9.61E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.59E-10	3.61E-09
653	609454.6	4170917	2.47E-08	1.10E-08	3.57E-08	4.10E-09	1.92E-09	6.02E-09	3.03E-09	1.10E-09	4.13E-09
654	609464.4	4170917	2.57E-08	1.15E-08	3.72E-08	4.28E-09	2.00E-09	6.27E-09	3.16E-09	1.14E-09	4.30E-09
655	609474.3	4170917	2.68E-08	1.19E-08	3.87E-08	4.45E-09	2.08E-09	6.52E-09	3.28E-09	1.19E-09	4.47E-09
656	609484.1	4170917	2.78E-08	1.24E-08	4.01E-08	4.61E-09	2.16E-09	6.77E-09	3.40E-09	1.23E-09	4.64E-09
657	609494	4170917	2.88E-08	1.28E-08	4.15E-08	4.78E-09	2.23E-09	7.01E-09	3.53E-09	1.28E-09	4.80E-09
658	609503.8	4170917	2.97E-08	1.32E-08	4.29E-08	4.93E-09	2.31E-09	7.24E-09	3.64E-09	1.32E-09	4.96E-09
659	609533.3	4170918	3.23E-08	1.44E-08	4.67E-08	5.36E-09	2.51E-09	7.87E-09	3.96E-09	1.43E-09	5.39E-09
660	609543.2	4170918	3.30E-08	1.47E-08	4.77E-08	5.49E-09	2.57E-09	8.05E-09	4.05E-09	1.47E-09	5.52E-09
661	609553	4170918	3.37E-08	1.50E-08	4.87E-08	5.60E-09	2.62E-09	8.22E-09	4.13E-09	1.50E-09	5.63E-09
662	609562.9	4170918	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.73E-09
663	609572.7	4170918	3.48E-08	1.55E-08	5.03E-08	5.79E-09	2.71E-09	8.49E-09	4.27E-09	1.55E-09	5.82E-09
664	609582.5	4170918	3.53E-08	1.57E-08	5.09E-08	5.86E-09	2.74E-09	8.60E-09	4.32E-09	1.56E-09	5.89E-09
665	609592.4	4170918	3.56E-08	1.58E-08	5.14E-08	5.91E-09	2.76E-09	8.67E-09	4.36E-09	1.58E-09	5.94E-09
666	609298	4170923	1.19E-08	5.29E-09	1.72E-08	1.97E-09	9.23E-10	2.90E-09	1.46E-09	5.27E-10	1.98E-09
667	609289.1	4170919	1.18E-08	5.25E-09	1.71E-08	1.96E-09	9.17E-10	2.88E-09	1.45E-09	5.24E-10	1.97E-09
668	609280.3	4170915	1.17E-08	5.22E-09	1.69E-08	1.95E-09	9.10E-10	2.86E-09	1.44E-09	5.20E-10	1.96E-09

669	609271.4	4170911	1.16E-08	5.18E-09	1.68E-08	1.93E-09	9.04E-10	2.84E-09	1.43E-09	5.16E-10	1.94E-09
670	609262.5	4170908	1.16E-08	5.14E-09	1.67E-08	1.92E-09	8.98E-10	2.82E-09	1.42E-09	5.13E-10	1.93E-09
671	609253.6	4170904	1.15E-08	5.11E-09	1.66E-08	1.91E-09	8.91E-10	2.80E-09	1.41E-09	5.09E-10	1.92E-09
672	609227	4170893	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
673	609218.1	4170889	1.10E-08	4.90E-09	1.59E-08	1.83E-09	8.56E-10	2.69E-09	1.35E-09	4.89E-10	1.84E-09
674	609209.2	4170885	1.09E-08	4.84E-09	1.57E-08	1.81E-09	8.45E-10	2.65E-09	1.33E-09	4.83E-10	1.82E-09
675	609200.4	4170881	1.07E-08	4.77E-09	1.55E-08	1.78E-09	8.32E-10	2.61E-09	1.31E-09	4.75E-10	1.79E-09
676	609191.5	4170878	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.19E-10	2.57E-09	1.29E-09	4.68E-10	1.76E-09
677	609182.6	4170874	1.03E-08	4.61E-09	1.50E-08	1.72E-09	8.04E-10	2.52E-09	1.27E-09	4.59E-10	1.73E-09
678	609154.2	4170840	1.04E-08	4.65E-09	1.51E-08	1.73E-09	8.11E-10	2.55E-09	1.28E-09	4.63E-10	1.74E-09
679	609150.6	4170831	1.06E-08	4.71E-09	1.53E-08	1.76E-09	8.23E-10	2.58E-09	1.30E-09	4.70E-10	1.77E-09
680	609139.9	4170804	1.10E-08	4.87E-09	1.58E-08	1.82E-09	8.51E-10	2.67E-09	1.34E-09	4.86E-10	1.83E-09
681	609136.3	4170795	1.10E-08	4.91E-09	1.60E-08	1.83E-09	8.58E-10	2.69E-09	1.35E-09	4.90E-10	1.84E-09
682	609132.8	4170786	1.11E-08	4.94E-09	1.60E-08	1.84E-09	8.63E-10	2.71E-09	1.36E-09	4.93E-10	1.85E-09
683	609129.2	4170777	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
684	609125.6	4170768	1.12E-08	4.97E-09	1.61E-08	1.85E-09	8.67E-10	2.72E-09	1.37E-09	4.96E-10	1.86E-09
685	609122.1	4170759	1.12E-08	4.97E-09	1.61E-08	1.85E-09	8.67E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
686	609111.4	4170732	1.11E-08	4.92E-09	1.60E-08	1.84E-09	8.59E-10	2.70E-09	1.36E-09	4.91E-10	1.85E-09
687	609306.9	4170927	1.20E-08	5.32E-09	1.73E-08	1.99E-09	9.29E-10	2.92E-09	1.47E-09	5.31E-10	2.00E-09
688	609316.7	4170927	1.24E-08	5.51E-09	1.79E-08	2.06E-09	9.61E-10	3.02E-09	1.52E-09	5.49E-10	2.07E-09
689	609326.6	4170927	1.28E-08	5.71E-09	1.85E-08	2.13E-09	9.96E-10	3.13E-09	1.57E-09	5.69E-10	2.14E-09
690	609336.4	4170927	1.33E-08	5.93E-09	1.92E-08	2.21E-09	1.03E-09	3.25E-09	1.63E-09	5.91E-10	2.22E-09
691	609346.3	4170927	1.39E-08	6.16E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.31E-09
692	609375.8	4170927	1.58E-08	7.02E-09	2.28E-08	2.62E-09	1.23E-09	3.84E-09	1.93E-09	7.00E-10	2.63E-09
693	609385.6	4170927	1.65E-08	7.34E-09	2.38E-08	2.74E-09	1.28E-09	4.02E-09	2.02E-09	7.32E-10	2.76E-09
694	609395.5	4170927	1.73E-08	7.69E-09	2.50E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.67E-10	2.89E-09
695	609405.3	4170927	1.81E-08	8.06E-09	2.62E-08	3.01E-09	1.41E-09	4.42E-09	2.22E-09	8.04E-10	3.02E-09
696	609415.2	4170927	1.90E-08	8.44E-09	2.74E-08	3.15E-09	1.47E-09	4.62E-09	2.33E-09	8.42E-10	3.17E-09
697	609425	4170927	1.99E-08	8.84E-09	2.87E-08	3.30E-09	1.54E-09	4.84E-09	2.44E-09	8.82E-10	3.32E-09
698	609454.5	4170927	2.27E-08	1.01E-08	3.27E-08	3.76E-09	1.76E-09	5.52E-09	2.78E-09	1.01E-09	3.78E-09
699	609464.4	4170927	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.83E-09	5.75E-09	2.89E-09	1.05E-09	3.94E-09
700	609474.2	4170927	2.45E-08	1.09E-08	3.54E-08	4.07E-09	1.91E-09	5.98E-09	3.01E-09	1.09E-09	4.10E-09
701	609484.1	4170927	2.54E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.25E-09
702	609493.9	4170927	2.63E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.42E-09	3.23E-09	1.17E-09	4.40E-09
703	609503.8	4170927	2.72E-08	1.21E-08	3.93E-08	4.52E-09	2.11E-09	6.64E-09	3.34E-09	1.21E-09	4.54E-09
704	609533.3	4170928	2.96E-08	1.32E-08	4.28E-08	4.92E-09	2.30E-09	7.22E-09	3.63E-09	1.31E-09	4.94E-09
705	609543.1	4170928	3.03E-08	1.35E-08	4.38E-08	5.03E-09	2.35E-09	7.39E-09	3.72E-09	1.35E-09	5.06E-09
706	609553	4170928	3.09E-08	1.38E-08	4.47E-08	5.14E-09	2.40E-09	7.54E-09	3.79E-09	1.37E-09	5.17E-09
707	609562.8	4170928	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.68E-09	3.86E-09	1.40E-09	5.26E-09
708	609572.7	4170928	3.20E-08	1.42E-08	4.63E-08	5.32E-09	2.49E-09	7.80E-09	3.92E-09	1.42E-09	5.34E-09
709	609582.5	4170928	3.24E-08	1.44E-08	4.68E-08	5.39E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
710	609592.3	4170928	3.27E-08	1.46E-08	4.73E-08	5.44E-09	2.54E-09	7.98E-09	4.01E-09	1.45E-09	5.47E-09
711	609298.1	4170933	1.12E-08	4.99E-09	1.62E-08	1.86E-09	8.70E-10	2.73E-09	1.37E-09	4.97E-10	1.87E-09
712	609289.3	4170929	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.94E-10	1.86E-09
713	609280.5	4170925	1.11E-08	4.93E-09	1.60E-08	1.84E-09	8.61E-10	2.70E-09	1.36E-09	4.92E-10	1.85E-09
714	609271.7	4170922	1.10E-08	4.90E-09	1.59E-08	1.83E-09	8.56E-10	2.69E-09	1.35E-09	4.89E-10	1.84E-09
715	609263	4170918	1.09E-08	4.87E-09	1.58E-08	1.82E-09	8.51E-10	2.67E-09	1.34E-09	4.86E-10	1.83E-09
716	609254.2	4170914	1.09E-08	4.84E-09	1.57E-08	1.81E-09	8.46E-10	2.65E-09	1.33E-09	4.83E-10	1.82E-09
717	609245.4	4170911	1.08E-08	4.81E-09	1.56E-08	1.80E-09	8.40E-10	2.64E-09	1.33E-09	4.80E-10	1.81E-09
718	609219.1	4170899	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.67E-10	1.76E-09
719	609210.3	4170896	1.04E-08	4.63E-09	1.50E-08	1.73E-09	8.09E-10	2.54E-09	1.28E-09	4.62E-10	1.74E-09
720	609201.6	4170892	1.03E-08	4.58E-09	1.49E-08	1.71E-09	7.99E-10	2.51E-09	1.26E-09	4.56E-10	1.72E-09
721	609192.8	4170888	1.01E-08	4.51E-09	1.46E-08	1.68E-09	7.88E-10	2.47E-09	1.24E-09	4.50E-10	1.69E-09
722	609126	4170794	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.67E-10	1.76E-09
723	609122.5	4170785	1.06E-08	4.71E-09	1.53E-08	1.76E-09	8.22E-10	2.58E-09	1.30E-09	4.69E-10	1.77E-09
724	609119	4170776	1.06E-08	4.72E-09	1.53E-08	1.76E-09	8.24E-10	2.59E-09	1.30E-09	4.71E-10	1.77E-09

725	609104.9	4170741	1.05E-08	4.68E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.67E-10	1.76E-09
726	609101.3	4170732	1.05E-08	4.67E-09	1.52E-08	1.74E-09	8.15E-10	2.56E-09	1.29E-09	4.65E-10	1.75E-09
727	609306.8	4170937	1.13E-08	5.02E-09	1.63E-08	1.87E-09	8.76E-10	2.75E-09	1.38E-09	5.00E-10	1.88E-09
728	609316.7	4170937	1.16E-08	5.18E-09	1.68E-08	1.93E-09	9.05E-10	2.84E-09	1.43E-09	5.17E-10	1.94E-09
729	609326.5	4170937	1.20E-08	5.36E-09	1.74E-08	2.00E-09	9.36E-10	2.94E-09	1.48E-09	5.35E-10	2.01E-09
730	609336.4	4170937	1.25E-08	5.56E-09	1.80E-08	2.07E-09	9.70E-10	3.04E-09	1.53E-09	5.54E-10	2.09E-09
731	609346.2	4170937	1.30E-08	5.77E-09	1.87E-08	2.15E-09	1.01E-09	3.16E-09	1.59E-09	5.76E-10	2.17E-09
732	609356.1	4170937	1.35E-08	6.00E-09	1.95E-08	2.24E-09	1.05E-09	3.29E-09	1.65E-09	5.99E-10	2.25E-09
733	609425	4170937	1.83E-08	8.16E-09	2.65E-08	3.05E-09	1.42E-09	4.47E-09	2.25E-09	8.14E-10	3.06E-09
734	609484	4170937	2.34E-08	1.04E-08	3.38E-08	3.89E-09	1.82E-09	5.71E-09	2.87E-09	1.04E-09	3.91E-09
735	609493.9	4170937	2.42E-08	1.08E-08	3.50E-08	4.02E-09	1.88E-09	5.91E-09	2.97E-09	1.08E-09	4.05E-09
736	609503.7	4170937	2.50E-08	1.11E-08	3.62E-08	4.16E-09	1.94E-09	6.10E-09	3.07E-09	1.11E-09	4.18E-09
737	609533.2	4170938	2.72E-08	1.21E-08	3.94E-08	4.52E-09	2.12E-09	6.64E-09	3.34E-09	1.21E-09	4.55E-09
738	609543.1	4170938	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.17E-09	6.80E-09	3.42E-09	1.24E-09	4.66E-09
739	609552.9	4170938	2.85E-08	1.27E-08	4.12E-08	4.73E-09	2.21E-09	6.95E-09	3.49E-09	1.26E-09	4.76E-09
740	609562.8	4170938	2.90E-08	1.29E-08	4.19E-08	4.82E-09	2.25E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
741	609572.6	4170938	2.95E-08	1.31E-08	4.26E-08	4.90E-09	2.29E-09	7.19E-09	3.62E-09	1.31E-09	4.93E-09
742	609582.5	4170938	2.99E-08	1.33E-08	4.32E-08	4.97E-09	2.32E-09	7.29E-09	3.67E-09	1.33E-09	4.99E-09
743	609592.3	4170938	3.02E-08	1.35E-08	4.37E-08	5.02E-09	2.35E-09	7.37E-09	3.71E-09	1.34E-09	5.05E-09
744	609298.1	4170943	1.06E-08	4.71E-09	1.53E-08	1.76E-09	8.22E-10	2.58E-09	1.30E-09	4.70E-10	1.77E-09
745	609289.4	4170939	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.67E-10	1.76E-09
746	609280.8	4170935	1.05E-08	4.67E-09	1.52E-08	1.74E-09	8.15E-10	2.56E-09	1.29E-09	4.65E-10	1.75E-09
747	609272.1	4170932	1.04E-08	4.65E-09	1.51E-08	1.73E-09	8.11E-10	2.54E-09	1.28E-09	4.63E-10	1.74E-09
748	609263.4	4170928	1.04E-08	4.62E-09	1.50E-08	1.73E-09	8.07E-10	2.53E-09	1.27E-09	4.61E-10	1.73E-09
749	609254.7	4170924	1.03E-08	4.60E-09	1.49E-08	1.72E-09	8.03E-10	2.52E-09	1.27E-09	4.59E-10	1.73E-09
750	609246	4170921	1.03E-08	4.58E-09	1.49E-08	1.71E-09	7.99E-10	2.51E-09	1.26E-09	4.56E-10	1.72E-09
751	609237.4	4170917	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.94E-10	2.49E-09	1.25E-09	4.54E-10	1.71E-09
752	609202.6	4170902	9.87E-09	4.39E-09	1.43E-08	1.64E-09	7.67E-10	2.41E-09	1.21E-09	4.38E-10	1.65E-09
753	609147.1	4170872	9.13E-09	4.06E-09	1.32E-08	1.52E-09	7.09E-10	2.23E-09	1.12E-09	4.05E-10	1.52E-09
754	609115.7	4170793	1.01E-08	4.47E-09	1.45E-08	1.67E-09	7.81E-10	2.45E-09	1.23E-09	4.46E-10	1.68E-09
755	609112.2	4170784	1.01E-08	4.49E-09	1.46E-08	1.67E-09	7.84E-10	2.46E-09	1.24E-09	4.48E-10	1.68E-09
756	609101.8	4170758	1.01E-08	4.48E-09	1.45E-08	1.67E-09	7.82E-10	2.45E-09	1.23E-09	4.47E-10	1.68E-09
757	609098.3	4170749	1.00E-08	4.47E-09	1.45E-08	1.67E-09	7.80E-10	2.45E-09	1.23E-09	4.45E-10	1.68E-09
758	609094.8	4170740	9.99E-09	4.45E-09	1.44E-08	1.66E-09	7.77E-10	2.44E-09	1.23E-09	4.44E-10	1.67E-09
759	609091.3	4170731	9.96E-09	4.43E-09	1.44E-08	1.65E-09	7.74E-10	2.43E-09	1.22E-09	4.42E-10	1.66E-09
760	609306.8	4170947	1.06E-08	4.74E-09	1.54E-08	1.77E-09	8.27E-10	2.59E-09	1.30E-09	4.72E-10	1.78E-09
761	609316.6	4170947	1.10E-08	4.89E-09	1.59E-08	1.82E-09	8.53E-10	2.68E-09	1.35E-09	4.87E-10	1.83E-09
762	609326.5	4170947	1.13E-08	5.05E-09	1.64E-08	1.88E-09	8.81E-10	2.77E-09	1.39E-09	5.04E-10	1.89E-09
763	609336.3	4170947	1.17E-08	5.22E-09	1.70E-08	1.95E-09	9.12E-10	2.86E-09	1.44E-09	5.21E-10	1.96E-09
764	609346.2	4170947	1.22E-08	5.42E-09	1.76E-08	2.02E-09	9.46E-10	2.97E-09	1.49E-09	5.40E-10	2.03E-09
765	609356	4170947	1.26E-08	5.63E-09	1.83E-08	2.10E-09	9.82E-10	3.08E-09	1.55E-09	5.61E-10	2.11E-09
766	609365.9	4170947	1.31E-08	5.85E-09	1.90E-08	2.18E-09	1.02E-09	3.21E-09	1.61E-09	5.84E-10	2.20E-09
767	609592.3	4170948	2.80E-08	1.24E-08	4.04E-08	4.65E-09	2.17E-09	6.82E-09	3.43E-09	1.24E-09	4.67E-09
768	609298.2	4170953	1.00E-08	4.46E-09	1.45E-08	1.66E-09	7.78E-10	2.44E-09	1.23E-09	4.44E-10	1.67E-09
769	609289.6	4170949	9.97E-09	4.44E-09	1.44E-08	1.66E-09	7.75E-10	2.43E-09	1.22E-09	4.43E-10	1.67E-09
770	609281	4170946	9.93E-09	4.42E-09	1.44E-08	1.65E-09	7.72E-10	2.42E-09	1.22E-09	4.41E-10	1.66E-09
771	609272.4	4170942	9.90E-09	4.41E-09	1.43E-08	1.64E-09	7.69E-10	2.41E-09	1.21E-09	4.39E-10	1.65E-09
772	609263.8	4170938	9.87E-09	4.39E-09	1.43E-08	1.64E-09	7.67E-10	2.41E-09	1.21E-09	4.38E-10	1.65E-09
773	609255.2	4170935	9.83E-09	4.37E-09	1.42E-08	1.63E-09	7.64E-10	2.40E-09	1.21E-09	4.36E-10	1.64E-09
774	609246.6	4170931	9.79E-09	4.36E-09	1.41E-08	1.63E-09	7.61E-10	2.39E-09	1.20E-09	4.34E-10	1.63E-09
775	609238	4170927	9.74E-09	4.34E-09	1.41E-08	1.62E-09	7.57E-10	2.38E-09	1.19E-09	4.32E-10	1.63E-09
776	609229.4	4170924	9.69E-09	4.31E-09	1.40E-08	1.61E-09	7.53E-10	2.36E-09	1.19E-09	4.30E-10	1.62E-09
777	609220.8	4170920	9.62E-09	4.28E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.27E-10	1.61E-09
778	609169.2	4170898	9.01E-09	4.01E-09	1.30E-08	1.50E-09	7.00E-10	2.20E-09	1.10E-09	4.00E-10	1.50E-09
779	609160.6	4170895	8.86E-09	3.95E-09	1.28E-08	1.47E-09	6.89E-10	2.16E-09	1.09E-09	3.93E-10	1.48E-09
780	609152	4170891	8.72E-09	3.88E-09	1.26E-08	1.45E-09	6.77E-10	2.13E-09	1.07E-09	3.87E-10	1.46E-09

781	609139.9	4170879	8.69E-09	3.87E-09	1.26E-08	1.44E-09	6.75E-10	2.12E-09	1.07E-09	3.86E-10	1.45E-09
782	609136.5	4170870	8.82E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
783	609133	4170861	8.94E-09	3.98E-09	1.29E-08	1.48E-09	6.94E-10	2.18E-09	1.10E-09	3.97E-10	1.49E-09
784	609129.6	4170853	9.05E-09	4.03E-09	1.31E-08	1.50E-09	7.03E-10	2.21E-09	1.11E-09	4.02E-10	1.51E-09
785	609095.1	4170766	9.61E-09	4.28E-09	1.39E-08	1.60E-09	7.47E-10	2.34E-09	1.18E-09	4.27E-10	1.61E-09
786	609091.6	4170757	9.58E-09	4.27E-09	1.38E-08	1.59E-09	7.45E-10	2.34E-09	1.18E-09	4.25E-10	1.60E-09
787	609088.2	4170749	9.55E-09	4.25E-09	1.38E-08	1.59E-09	7.42E-10	2.33E-09	1.17E-09	4.24E-10	1.59E-09
788	609084.7	4170740	9.51E-09	4.23E-09	1.37E-08	1.58E-09	7.39E-10	2.32E-09	1.17E-09	4.22E-10	1.59E-09
789	609081.3	4170731	9.47E-09	4.22E-09	1.37E-08	1.57E-09	7.36E-10	2.31E-09	1.16E-09	4.20E-10	1.58E-09
790	609306.8	4170957	1.01E-08	4.48E-09	1.45E-08	1.67E-09	7.82E-10	2.45E-09	1.23E-09	4.47E-10	1.68E-09
791	609316.6	4170957	1.04E-08	4.61E-09	1.50E-08	1.72E-09	8.05E-10	2.53E-09	1.27E-09	4.60E-10	1.73E-09
792	609326.4	4170957	1.07E-08	4.76E-09	1.55E-08	1.78E-09	8.31E-10	2.61E-09	1.31E-09	4.75E-10	1.79E-09
793	609336.3	4170957	1.11E-08	4.92E-09	1.60E-08	1.84E-09	8.59E-10	2.69E-09	1.36E-09	4.91E-10	1.85E-09
794	609346.1	4170957	1.14E-08	5.09E-09	1.65E-08	1.90E-09	8.89E-10	2.79E-09	1.40E-09	5.08E-10	1.91E-09
795	609356	4170957	1.19E-08	5.28E-09	1.72E-08	1.97E-09	9.22E-10	2.89E-09	1.46E-09	5.27E-10	1.98E-09
796	609365.8	4170957	1.23E-08	5.49E-09	1.78E-08	2.05E-09	9.58E-10	3.01E-09	1.51E-09	5.47E-10	2.06E-09
797	609375.7	4170957	1.28E-08	5.71E-09	1.85E-08	2.13E-09	9.96E-10	3.13E-09	1.57E-09	5.69E-10	2.14E-09
798	609385.5	4170957	1.34E-08	5.94E-09	1.93E-08	2.22E-09	1.04E-09	3.26E-09	1.64E-09	5.93E-10	2.23E-09
799	609395.3	4170957	1.39E-08	6.20E-09	2.01E-08	2.31E-09	1.08E-09	3.39E-09	1.71E-09	6.18E-10	2.32E-09
800	609405.2	4170957	1.45E-08	6.46E-09	2.10E-08	2.41E-09	1.13E-09	3.54E-09	1.78E-09	6.44E-10	2.42E-09
801	609415	4170957	1.51E-08	6.74E-09	2.19E-08	2.52E-09	1.18E-09	3.69E-09	1.86E-09	6.72E-10	2.53E-09
802	609424.9	4170957	1.58E-08	7.03E-09	2.28E-08	2.62E-09	1.23E-09	3.85E-09	1.94E-09	7.01E-10	2.64E-09
803	609434.7	4170957	1.65E-08	7.33E-09	2.38E-08	2.73E-09	1.28E-09	4.01E-09	2.02E-09	7.31E-10	2.75E-09
804	609444.6	4170957	1.72E-08	7.63E-09	2.48E-08	2.85E-09	1.33E-09	4.18E-09	2.10E-09	7.61E-10	2.86E-09
805	609454.4	4170957	1.79E-08	7.95E-09	2.58E-08	2.97E-09	1.39E-09	4.35E-09	2.19E-09	7.93E-10	2.98E-09
806	609464.2	4170957	1.86E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.53E-09	2.28E-09	8.24E-10	3.10E-09
807	609474.1	4170957	1.93E-08	8.58E-09	2.79E-08	3.20E-09	1.50E-09	4.70E-09	2.36E-09	8.56E-10	3.22E-09
808	609483.9	4170957	2.00E-08	8.90E-09	2.89E-08	3.32E-09	1.55E-09	4.87E-09	2.45E-09	8.87E-10	3.34E-09
809	609493.8	4170957	2.07E-08	9.21E-09	2.99E-08	3.44E-09	1.61E-09	5.04E-09	2.54E-09	9.18E-10	3.45E-09
810	609503.6	4170957	2.14E-08	9.51E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.48E-10	3.57E-09
811	609513.5	4170957	2.20E-08	9.80E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.78E-10	3.68E-09
812	609523.3	4170957	2.27E-08	1.01E-08	3.27E-08	3.76E-09	1.76E-09	5.52E-09	2.78E-09	1.01E-09	3.78E-09
813	609533.1	4170958	2.33E-08	1.04E-08	3.36E-08	3.86E-09	1.81E-09	5.67E-09	2.85E-09	1.03E-09	3.88E-09
814	609543	4170958	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
815	609552.8	4170958	2.44E-08	1.08E-08	3.52E-08	4.05E-09	1.89E-09	5.94E-09	2.99E-09	1.08E-09	4.07E-09
816	609562.7	4170958	2.48E-08	1.11E-08	3.59E-08	4.12E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.15E-09
817	609572.5	4170958	2.53E-08	1.12E-08	3.65E-08	4.20E-09	1.96E-09	6.16E-09	3.10E-09	1.12E-09	4.22E-09
818	609582.4	4170958	2.56E-08	1.14E-08	3.70E-08	4.26E-09	1.99E-09	6.25E-09	3.14E-09	1.14E-09	4.28E-09
819	609592.2	4170958	2.59E-08	1.15E-08	3.75E-08	4.31E-09	2.02E-09	6.33E-09	3.18E-09	1.15E-09	4.33E-09
820	609297.7	4170963	9.49E-09	4.22E-09	1.37E-08	1.58E-09	7.37E-10	2.31E-09	1.16E-09	4.21E-10	1.58E-09
821	609288.8	4170959	9.45E-09	4.21E-09	1.37E-08	1.57E-09	7.35E-10	2.31E-09	1.16E-09	4.20E-10	1.58E-09
822	609279.8	4170955	9.43E-09	4.19E-09	1.36E-08	1.57E-09	7.32E-10	2.30E-09	1.16E-09	4.18E-10	1.57E-09
823	609270.8	4170951	9.40E-09	4.18E-09	1.36E-08	1.56E-09	7.30E-10	2.29E-09	1.15E-09	4.17E-10	1.57E-09
824	609261.8	4170948	9.37E-09	4.17E-09	1.35E-08	1.56E-09	7.28E-10	2.29E-09	1.15E-09	4.16E-10	1.57E-09
825	609252.9	4170944	9.34E-09	4.16E-09	1.35E-08	1.55E-09	7.26E-10	2.28E-09	1.15E-09	4.15E-10	1.56E-09
826	609243.9	4170940	9.31E-09	4.14E-09	1.35E-08	1.55E-09	7.24E-10	2.27E-09	1.14E-09	4.13E-10	1.55E-09
827	609234.9	4170936	9.27E-09	4.13E-09	1.34E-08	1.54E-09	7.21E-10	2.26E-09	1.14E-09	4.12E-10	1.55E-09
828	609226	4170932	9.23E-09	4.11E-09	1.33E-08	1.53E-09	7.17E-10	2.25E-09	1.13E-09	4.10E-10	1.54E-09
829	609217	4170929	9.17E-09	4.08E-09	1.33E-08	1.52E-09	7.13E-10	2.24E-09	1.12E-09	4.07E-10	1.53E-09
830	609181.1	4170913	8.84E-09	3.93E-09	1.28E-08	1.47E-09	6.87E-10	2.16E-09	1.08E-09	3.92E-10	1.48E-09
831	609172.1	4170910	8.72E-09	3.88E-09	1.26E-08	1.45E-09	6.78E-10	2.13E-09	1.07E-09	3.87E-10	1.46E-09
832	609163.2	4170906	8.60E-09	3.83E-09	1.24E-08	1.43E-09	6.68E-10	2.10E-09	1.05E-09	3.82E-10	1.44E-09
833	609154.2	4170902	8.46E-09	3.77E-09	1.22E-08	1.41E-09	6.57E-10	2.06E-09	1.04E-09	3.75E-10	1.41E-09
834	609145.2	4170898	8.32E-09	3.70E-09	1.20E-08	1.38E-09	6.46E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
835	609132.6	4170885	8.29E-09	3.69E-09	1.20E-08	1.38E-09	6.44E-10	2.02E-09	1.02E-09	3.68E-10	1.38E-09
836	609129	4170876	8.41E-09	3.74E-09	1.22E-08	1.40E-09	6.54E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09

837	609125.4	4170867	8.53E-09	3.80E-09	1.23E-08	1.42E-09	6.63E-10	2.08E-09	1.05E-09	3.79E-10	1.42E-09
838	609121.8	4170858	8.64E-09	3.85E-09	1.25E-08	1.44E-09	6.71E-10	2.11E-09	1.06E-09	3.84E-10	1.44E-09
839	609111	4170831	8.93E-09	3.97E-09	1.29E-08	1.48E-09	6.94E-10	2.18E-09	1.09E-09	3.96E-10	1.49E-09
840	609107.4	4170822	9.01E-09	4.01E-09	1.30E-08	1.50E-09	7.00E-10	2.20E-09	1.10E-09	4.00E-10	1.50E-09
841	609093	4170786	9.19E-09	4.09E-09	1.33E-08	1.53E-09	7.14E-10	2.24E-09	1.13E-09	4.08E-10	1.53E-09
842	609089.4	4170777	9.19E-09	4.09E-09	1.33E-08	1.53E-09	7.14E-10	2.24E-09	1.13E-09	4.08E-10	1.53E-09
843	609085.8	4170768	9.17E-09	4.08E-09	1.33E-08	1.52E-09	7.13E-10	2.24E-09	1.12E-09	4.07E-10	1.53E-09
844	609082.2	4170759	9.14E-09	4.07E-09	1.32E-08	1.52E-09	7.10E-10	2.23E-09	1.12E-09	4.06E-10	1.53E-09
845	609078.6	4170750	9.10E-09	4.05E-09	1.32E-08	1.51E-09	7.07E-10	2.22E-09	1.12E-09	4.04E-10	1.52E-09
846	609075	4170740	9.06E-09	4.03E-09	1.31E-08	1.51E-09	7.04E-10	2.21E-09	1.11E-09	4.02E-10	1.51E-09
847	609071.4	4170731	9.03E-09	4.02E-09	1.30E-08	1.50E-09	7.01E-10	2.20E-09	1.11E-09	4.01E-10	1.51E-09
848	609306.7	4170967	9.53E-09	4.24E-09	1.38E-08	1.58E-09	7.41E-10	2.32E-09	1.17E-09	4.23E-10	1.59E-09
849	609316.5	4170967	9.80E-09	4.36E-09	1.42E-08	1.63E-09	7.62E-10	2.39E-09	1.20E-09	4.35E-10	1.64E-09
850	609326.4	4170967	1.01E-08	4.49E-09	1.46E-08	1.68E-09	7.85E-10	2.46E-09	1.24E-09	4.48E-10	1.69E-09
851	609336.2	4170967	1.04E-08	4.64E-09	1.51E-08	1.73E-09	8.10E-10	2.54E-09	1.28E-09	4.63E-10	1.74E-09
852	609346.1	4170967	1.08E-08	4.80E-09	1.56E-08	1.79E-09	8.38E-10	2.63E-09	1.32E-09	4.79E-10	1.80E-09
853	609355.9	4170967	1.12E-08	4.97E-09	1.61E-08	1.86E-09	8.68E-10	2.72E-09	1.37E-09	4.96E-10	1.87E-09
854	609365.8	4170967	1.16E-08	5.16E-09	1.67E-08	1.92E-09	9.00E-10	2.82E-09	1.42E-09	5.14E-10	1.93E-09
855	609375.6	4170967	1.20E-08	5.36E-09	1.74E-08	2.00E-09	9.35E-10	2.93E-09	1.48E-09	5.34E-10	2.01E-09
856	609385.5	4170967	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.72E-10	3.05E-09	1.53E-09	5.55E-10	2.09E-09
857	609395.3	4170967	1.30E-08	5.80E-09	1.88E-08	2.16E-09	1.01E-09	3.18E-09	1.60E-09	5.78E-10	2.18E-09
858	609405.1	4170967	1.36E-08	6.04E-09	1.96E-08	2.25E-09	1.05E-09	3.31E-09	1.66E-09	6.02E-10	2.27E-09
859	609415	4170967	1.41E-08	6.29E-09	2.04E-08	2.35E-09	1.10E-09	3.45E-09	1.73E-09	6.27E-10	2.36E-09
860	609424.8	4170967	1.47E-08	6.55E-09	2.13E-08	2.45E-09	1.14E-09	3.59E-09	1.81E-09	6.54E-10	2.46E-09
861	609434.7	4170967	1.53E-08	6.83E-09	2.22E-08	2.55E-09	1.19E-09	3.74E-09	1.88E-09	6.81E-10	2.56E-09
862	609444.5	4170967	1.60E-08	7.10E-09	2.31E-08	2.65E-09	1.24E-09	3.89E-09	1.96E-09	7.09E-10	2.67E-09
863	609454.4	4170967	1.66E-08	7.39E-09	2.40E-08	2.76E-09	1.29E-09	4.05E-09	2.04E-09	7.37E-10	2.77E-09
864	609464.2	4170967	1.73E-08	7.68E-09	2.49E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.66E-10	2.88E-09
865	609474	4170967	1.79E-08	7.97E-09	2.59E-08	2.97E-09	1.39E-09	4.36E-09	2.19E-09	7.95E-10	2.99E-09
866	609483.9	4170967	1.86E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.24E-10	3.10E-09
867	609493.7	4170967	1.92E-08	8.54E-09	2.77E-08	3.19E-09	1.49E-09	4.68E-09	2.35E-09	8.52E-10	3.21E-09
868	609503.6	4170967	1.98E-08	8.83E-09	2.87E-08	3.29E-09	1.54E-09	4.83E-09	2.43E-09	8.80E-10	3.31E-09
869	609513.4	4170967	2.04E-08	9.10E-09	2.95E-08	3.39E-09	1.59E-09	4.98E-09	2.51E-09	9.07E-10	3.41E-09
870	609523.3	4170967	2.10E-08	9.36E-09	3.04E-08	3.49E-09	1.63E-09	5.13E-09	2.58E-09	9.33E-10	3.51E-09
871	609533.1	4170968	2.16E-08	9.61E-09	3.12E-08	3.59E-09	1.68E-09	5.26E-09	2.65E-09	9.58E-10	3.60E-09
872	609542.9	4170968	2.21E-08	9.84E-09	3.20E-08	3.67E-09	1.72E-09	5.39E-09	2.71E-09	9.82E-10	3.69E-09
873	609552.8	4170968	2.26E-08	1.01E-08	3.27E-08	3.76E-09	1.76E-09	5.51E-09	2.77E-09	1.00E-09	3.78E-09
874	609562.6	4170968	2.31E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.83E-09	1.02E-09	3.85E-09
875	609572.5	4170968	2.35E-08	1.04E-08	3.39E-08	3.90E-09	1.82E-09	5.72E-09	2.88E-09	1.04E-09	3.92E-09
876	609582.3	4170968	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
877	609592.2	4170968	2.41E-08	1.07E-08	3.49E-08	4.01E-09	1.88E-09	5.88E-09	2.96E-09	1.07E-09	4.03E-09
878	609297.8	4170973	9.01E-09	4.01E-09	1.30E-08	1.50E-09	7.00E-10	2.20E-09	1.10E-09	4.00E-10	1.50E-09
879	609288.9	4170969	8.98E-09	4.00E-09	1.30E-08	1.49E-09	6.98E-10	2.19E-09	1.10E-09	3.99E-10	1.50E-09
880	609280	4170965	8.96E-09	3.99E-09	1.29E-08	1.49E-09	6.96E-10	2.18E-09	1.10E-09	3.98E-10	1.50E-09
881	609271.1	4170961	8.94E-09	3.98E-09	1.29E-08	1.48E-09	6.94E-10	2.18E-09	1.10E-09	3.97E-10	1.49E-09
882	609262.3	4170958	8.92E-09	3.97E-09	1.29E-08	1.48E-09	6.93E-10	2.17E-09	1.09E-09	3.96E-10	1.49E-09
883	609253.4	4170954	8.90E-09	3.96E-09	1.29E-08	1.48E-09	6.92E-10	2.17E-09	1.09E-09	3.95E-10	1.49E-09
884	609244.5	4170950	8.88E-09	3.95E-09	1.28E-08	1.47E-09	6.90E-10	2.16E-09	1.09E-09	3.94E-10	1.48E-09
885	609235.6	4170946	8.85E-09	3.94E-09	1.28E-08	1.47E-09	6.88E-10	2.16E-09	1.09E-09	3.93E-10	1.48E-09
886	609173.5	4170920	8.42E-09	3.75E-09	1.22E-08	1.40E-09	6.54E-10	2.05E-09	1.03E-09	3.74E-10	1.41E-09
887	609164.6	4170916	8.31E-09	3.70E-09	1.20E-08	1.38E-09	6.46E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
888	609155.7	4170913	8.20E-09	3.65E-09	1.18E-08	1.36E-09	6.37E-10	2.00E-09	1.00E-09	3.64E-10	1.37E-09
889	609146.9	4170909	8.07E-09	3.59E-09	1.17E-08	1.34E-09	6.27E-10	1.97E-09	9.89E-10	3.58E-10	1.35E-09
890	609138	4170905	7.94E-09	3.53E-09	1.15E-08	1.32E-09	6.17E-10	1.94E-09	9.73E-10	3.52E-10	1.33E-09
891	609125.5	4170892	7.92E-09	3.52E-09	1.14E-08	1.32E-09	6.15E-10	1.93E-09	9.71E-10	3.51E-10	1.32E-09
892	609122	4170883	8.03E-09	3.57E-09	1.16E-08	1.33E-09	6.24E-10	1.96E-09	9.84E-10	3.56E-10	1.34E-09

893	609118.4	4170874	8.13E-09	3.62E-09	1.18E-08	1.35E-09	6.32E-10	1.98E-09	9.97E-10	3.61E-10	1.36E-09
894	609114.8	4170866	8.24E-09	3.67E-09	1.19E-08	1.37E-09	6.40E-10	2.01E-09	1.01E-09	3.66E-10	1.38E-09
895	609104.2	4170839	8.51E-09	3.79E-09	1.23E-08	1.41E-09	6.61E-10	2.07E-09	1.04E-09	3.78E-10	1.42E-09
896	609100.6	4170830	8.59E-09	3.82E-09	1.24E-08	1.43E-09	6.67E-10	2.09E-09	1.05E-09	3.81E-10	1.43E-09
897	609097	4170821	8.66E-09	3.85E-09	1.25E-08	1.44E-09	6.73E-10	2.11E-09	1.06E-09	3.84E-10	1.45E-09
898	609093.5	4170812	8.71E-09	3.88E-09	1.26E-08	1.45E-09	6.77E-10	2.12E-09	1.07E-09	3.87E-10	1.46E-09
899	609082.8	4170785	8.79E-09	3.91E-09	1.27E-08	1.46E-09	6.83E-10	2.14E-09	1.08E-09	3.90E-10	1.47E-09
900	609079.2	4170776	8.78E-09	3.91E-09	1.27E-08	1.46E-09	6.82E-10	2.14E-09	1.08E-09	3.90E-10	1.47E-09
901	609075.6	4170767	8.76E-09	3.90E-09	1.27E-08	1.46E-09	6.81E-10	2.14E-09	1.07E-09	3.89E-10	1.46E-09
902	609072.1	4170758	8.73E-09	3.88E-09	1.26E-08	1.45E-09	6.78E-10	2.13E-09	1.07E-09	3.87E-10	1.46E-09
903	609068.5	4170749	8.69E-09	3.87E-09	1.26E-08	1.44E-09	6.75E-10	2.12E-09	1.07E-09	3.86E-10	1.45E-09
904	609065	4170740	8.65E-09	3.85E-09	1.25E-08	1.44E-09	6.72E-10	2.11E-09	1.06E-09	3.84E-10	1.44E-09
905	609061.4	4170731	8.61E-09	3.83E-09	1.24E-08	1.43E-09	6.69E-10	2.10E-09	1.06E-09	3.82E-10	1.44E-09
906	609306.7	4170977	9.04E-09	4.02E-09	1.31E-08	1.50E-09	7.02E-10	2.20E-09	1.11E-09	4.01E-10	1.51E-09
907	609316.5	4170977	9.28E-09	4.13E-09	1.34E-08	1.54E-09	7.21E-10	2.26E-09	1.14E-09	4.12E-10	1.55E-09
908	609326.3	4170977	9.55E-09	4.25E-09	1.38E-08	1.59E-09	7.42E-10	2.33E-09	1.17E-09	4.24E-10	1.60E-09
909	609336.2	4170977	9.85E-09	4.39E-09	1.42E-08	1.64E-09	7.66E-10	2.40E-09	1.21E-09	4.37E-10	1.65E-09
910	609346	4170977	1.02E-08	4.53E-09	1.47E-08	1.69E-09	7.91E-10	2.48E-09	1.25E-09	4.52E-10	1.70E-09
911	609355.9	4170977	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.68E-10	1.76E-09
912	609365.7	4170977	1.09E-08	4.86E-09	1.58E-08	1.81E-09	8.48E-10	2.66E-09	1.34E-09	4.84E-10	1.82E-09
913	609375.6	4170977	1.13E-08	5.04E-09	1.64E-08	1.88E-09	8.79E-10	2.76E-09	1.39E-09	5.02E-10	1.89E-09
914	609385.4	4170977	1.18E-08	5.23E-09	1.70E-08	1.95E-09	9.13E-10	2.87E-09	1.44E-09	5.22E-10	1.96E-09
915	609395.3	4170977	1.22E-08	5.44E-09	1.77E-08	2.03E-09	9.50E-10	2.98E-09	1.50E-09	5.42E-10	2.04E-09
916	609405.1	4170977	1.27E-08	5.66E-09	1.84E-08	2.11E-09	9.88E-10	3.10E-09	1.56E-09	5.64E-10	2.12E-09
917	609414.9	4170977	1.32E-08	5.89E-09	1.91E-08	2.20E-09	1.03E-09	3.23E-09	1.62E-09	5.87E-10	2.21E-09
918	609424.8	4170977	1.38E-08	6.13E-09	1.99E-08	2.29E-09	1.07E-09	3.36E-09	1.69E-09	6.11E-10	2.30E-09
919	609434.6	4170977	1.43E-08	6.38E-09	2.07E-08	2.38E-09	1.11E-09	3.49E-09	1.76E-09	6.36E-10	2.39E-09
920	609444.5	4170977	1.49E-08	6.63E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.83E-09	6.61E-10	2.49E-09
921	609454.3	4170977	1.55E-08	6.89E-09	2.24E-08	2.57E-09	1.20E-09	3.77E-09	1.90E-09	6.87E-10	2.59E-09
922	609464.2	4170977	1.61E-08	7.15E-09	2.32E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.13E-10	2.68E-09
923	609474	4170977	1.67E-08	7.42E-09	2.41E-08	2.77E-09	1.30E-09	4.06E-09	2.04E-09	7.40E-10	2.78E-09
924	609483.8	4170977	1.73E-08	7.69E-09	2.50E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.67E-10	2.88E-09
925	609493.7	4170977	1.79E-08	7.95E-09	2.58E-08	2.97E-09	1.39E-09	4.36E-09	2.19E-09	7.93E-10	2.98E-09
926	609503.5	4170977	1.85E-08	8.21E-09	2.67E-08	3.07E-09	1.43E-09	4.50E-09	2.26E-09	8.19E-10	3.08E-09
927	609513.4	4170977	1.90E-08	8.46E-09	2.75E-08	3.16E-09	1.48E-09	4.64E-09	2.33E-09	8.44E-10	3.18E-09
928	609523.2	4170977	1.96E-08	8.71E-09	2.83E-08	3.25E-09	1.52E-09	4.77E-09	2.40E-09	8.68E-10	3.27E-09
929	609533.1	4170978	2.01E-08	8.94E-09	2.90E-08	3.34E-09	1.56E-09	4.90E-09	2.46E-09	8.91E-10	3.35E-09
930	609542.9	4170978	2.06E-08	9.16E-09	2.97E-08	3.42E-09	1.60E-09	5.02E-09	2.52E-09	9.13E-10	3.44E-09
931	609552.7	4170978	2.10E-08	9.37E-09	3.04E-08	3.50E-09	1.64E-09	5.13E-09	2.58E-09	9.34E-10	3.51E-09
932	609562.6	4170978	2.15E-08	9.55E-09	3.10E-08	3.57E-09	1.67E-09	5.23E-09	2.63E-09	9.53E-10	3.59E-09
933	609572.4	4170978	2.19E-08	9.73E-09	3.16E-08	3.63E-09	1.70E-09	5.33E-09	2.68E-09	9.70E-10	3.65E-09
934	609582.3	4170978	2.22E-08	9.88E-09	3.21E-08	3.69E-09	1.72E-09	5.41E-09	2.72E-09	9.85E-10	3.71E-09
935	609297.8	4170983	8.56E-09	3.81E-09	1.24E-08	1.42E-09	6.65E-10	2.09E-09	1.05E-09	3.80E-10	1.43E-09
936	609289	4170979	8.54E-09	3.80E-09	1.23E-08	1.42E-09	6.64E-10	2.08E-09	1.05E-09	3.79E-10	1.43E-09
937	609280.2	4170975	8.52E-09	3.79E-09	1.23E-08	1.42E-09	6.62E-10	2.08E-09	1.04E-09	3.78E-10	1.42E-09
938	609271.4	4170972	8.51E-09	3.79E-09	1.23E-08	1.41E-09	6.61E-10	2.07E-09	1.04E-09	3.78E-10	1.42E-09
939	609262.6	4170968	8.50E-09	3.78E-09	1.23E-08	1.41E-09	6.60E-10	2.07E-09	1.04E-09	3.77E-10	1.42E-09
940	609253.9	4170964	8.48E-09	3.78E-09	1.23E-08	1.41E-09	6.59E-10	2.07E-09	1.04E-09	3.77E-10	1.42E-09
941	609245.1	4170960	8.47E-09	3.77E-09	1.22E-08	1.41E-09	6.58E-10	2.07E-09	1.04E-09	3.76E-10	1.41E-09
942	609201.1	4170942	8.32E-09	3.70E-09	1.20E-08	1.38E-09	6.47E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
943	609165.9	4170927	8.03E-09	3.57E-09	1.16E-08	1.33E-09	6.24E-10	1.96E-09	9.85E-10	3.56E-10	1.34E-09
944	609157.1	4170923	7.93E-09	3.53E-09	1.15E-08	1.32E-09	6.16E-10	1.93E-09	9.73E-10	3.52E-10	1.32E-09
945	609148.3	4170920	7.82E-09	3.48E-09	1.13E-08	1.30E-09	6.08E-10	1.91E-09	9.59E-10	3.47E-10	1.31E-09
946	609139.5	4170916	7.71E-09	3.43E-09	1.11E-08	1.28E-09	5.99E-10	1.88E-09	9.45E-10	3.42E-10	1.29E-09
947	609130.7	4170912	7.59E-09	3.38E-09	1.10E-08	1.26E-09	5.90E-10	1.85E-09	9.31E-10	3.37E-10	1.27E-09
948	609118.4	4170899	7.57E-09	3.37E-09	1.09E-08	1.26E-09	5.88E-10	1.85E-09	9.28E-10	3.36E-10	1.26E-09

949	609114.9	4170891	7.67E-09	3.41E-09	1.11E-08	1.27E-09	5.96E-10	1.87E-09	9.40E-10	3.40E-10	1.28E-09
950	609111.4	4170882	7.77E-09	3.46E-09	1.12E-08	1.29E-09	6.03E-10	1.89E-09	9.52E-10	3.45E-10	1.30E-09
951	609107.8	4170873	7.86E-09	3.50E-09	1.14E-08	1.31E-09	6.11E-10	1.92E-09	9.64E-10	3.49E-10	1.31E-09
952	609093.7	4170837	8.19E-09	3.65E-09	1.18E-08	1.36E-09	6.37E-10	2.00E-09	1.00E-09	3.64E-10	1.37E-09
953	609090.2	4170828	8.26E-09	3.68E-09	1.19E-08	1.37E-09	6.42E-10	2.01E-09	1.01E-09	3.67E-10	1.38E-09
954	609086.7	4170820	8.32E-09	3.70E-09	1.20E-08	1.38E-09	6.47E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
955	609083.1	4170811	8.37E-09	3.72E-09	1.21E-08	1.39E-09	6.50E-10	2.04E-09	1.03E-09	3.71E-10	1.40E-09
956	609069	4170775	8.40E-09	3.74E-09	1.21E-08	1.40E-09	6.53E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09
957	609065.5	4170766	8.38E-09	3.73E-09	1.21E-08	1.39E-09	6.51E-10	2.04E-09	1.03E-09	3.72E-10	1.40E-09
958	609062	4170758	8.34E-09	3.71E-09	1.21E-08	1.39E-09	6.48E-10	2.03E-09	1.02E-09	3.70E-10	1.39E-09
959	609058.4	4170749	8.30E-09	3.69E-09	1.20E-08	1.38E-09	6.45E-10	2.02E-09	1.02E-09	3.68E-10	1.39E-09
960	609054.9	4170740	8.26E-09	3.68E-09	1.19E-08	1.37E-09	6.42E-10	2.01E-09	1.01E-09	3.67E-10	1.38E-09
961	609051.4	4170731	8.23E-09	3.66E-09	1.19E-08	1.37E-09	6.39E-10	2.01E-09	1.01E-09	3.65E-10	1.37E-09
962	609306.6	4170987	8.59E-09	3.82E-09	1.24E-08	1.43E-09	6.67E-10	2.09E-09	1.05E-09	3.81E-10	1.43E-09
963	609316.5	4170987	8.81E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
964	609326.3	4170987	9.06E-09	4.03E-09	1.31E-08	1.50E-09	7.04E-10	2.21E-09	1.11E-09	4.02E-10	1.51E-09
965	609336.1	4170987	9.33E-09	4.15E-09	1.35E-08	1.55E-09	7.25E-10	2.27E-09	1.14E-09	4.14E-10	1.56E-09
966	609346	4170987	9.62E-09	4.28E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.27E-10	1.61E-09
967	609355.8	4170987	9.95E-09	4.43E-09	1.44E-08	1.65E-09	7.73E-10	2.43E-09	1.22E-09	4.41E-10	1.66E-09
968	609365.7	4170987	1.03E-08	4.58E-09	1.49E-08	1.71E-09	8.00E-10	2.51E-09	1.26E-09	4.57E-10	1.72E-09
969	609375.5	4170987	1.07E-08	4.75E-09	1.54E-08	1.77E-09	8.29E-10	2.60E-09	1.31E-09	4.74E-10	1.78E-09
970	609385.4	4170987	1.11E-08	4.93E-09	1.60E-08	1.84E-09	8.60E-10	2.70E-09	1.36E-09	4.91E-10	1.85E-09
971	609395.2	4170987	1.15E-08	5.12E-09	1.66E-08	1.91E-09	8.93E-10	2.80E-09	1.41E-09	5.10E-10	1.92E-09
972	609405	4170987	1.19E-08	5.32E-09	1.73E-08	1.98E-09	9.28E-10	2.91E-09	1.46E-09	5.30E-10	1.99E-09
973	609414.9	4170987	1.24E-08	5.53E-09	1.79E-08	2.06E-09	9.65E-10	3.03E-09	1.52E-09	5.51E-10	2.07E-09
974	609424.7	4170987	1.29E-08	5.74E-09	1.87E-08	2.14E-09	1.00E-09	3.15E-09	1.58E-09	5.73E-10	2.16E-09
975	609434.6	4170987	1.34E-08	5.97E-09	1.94E-08	2.23E-09	1.04E-09	3.27E-09	1.65E-09	5.96E-10	2.24E-09
976	609444.4	4170987	1.39E-08	6.21E-09	2.01E-08	2.32E-09	1.08E-09	3.40E-09	1.71E-09	6.19E-10	2.33E-09
977	609454.3	4170987	1.45E-08	6.44E-09	2.09E-08	2.40E-09	1.12E-09	3.53E-09	1.78E-09	6.43E-10	2.42E-09
978	609464.1	4170987	1.50E-08	6.69E-09	2.17E-08	2.50E-09	1.17E-09	3.66E-09	1.84E-09	6.67E-10	2.51E-09
979	609474	4170987	1.56E-08	6.93E-09	2.25E-08	2.59E-09	1.21E-09	3.80E-09	1.91E-09	6.91E-10	2.60E-09
980	609483.8	4170987	1.61E-08	7.18E-09	2.33E-08	2.68E-09	1.25E-09	3.93E-09	1.98E-09	7.16E-10	2.69E-09
981	609493.6	4170987	1.67E-08	7.42E-09	2.41E-08	2.77E-09	1.30E-09	4.06E-09	2.04E-09	7.40E-10	2.78E-09
982	609503.5	4170987	1.72E-08	7.66E-09	2.49E-08	2.86E-09	1.34E-09	4.20E-09	2.11E-09	7.64E-10	2.87E-09
983	609513.3	4170987	1.77E-08	7.89E-09	2.56E-08	2.95E-09	1.38E-09	4.32E-09	2.17E-09	7.87E-10	2.96E-09
984	609523.2	4170987	1.82E-08	8.12E-09	2.64E-08	3.03E-09	1.42E-09	4.45E-09	2.24E-09	8.10E-10	3.05E-09
985	609533	4170988	1.87E-08	8.34E-09	2.71E-08	3.11E-09	1.46E-09	4.57E-09	2.30E-09	8.32E-10	3.13E-09
986	609542.9	4170988	1.92E-08	8.54E-09	2.77E-08	3.19E-09	1.49E-09	4.68E-09	2.35E-09	8.52E-10	3.21E-09
987	609552.7	4170988	1.96E-08	8.74E-09	2.84E-08	3.26E-09	1.53E-09	4.79E-09	2.41E-09	8.71E-10	3.28E-09
988	609562.5	4170988	2.00E-08	8.92E-09	2.89E-08	3.33E-09	1.56E-09	4.88E-09	2.46E-09	8.89E-10	3.35E-09
989	609572.4	4170988	2.04E-08	9.08E-09	2.95E-08	3.39E-09	1.59E-09	4.97E-09	2.50E-09	9.05E-10	3.41E-09
990	609582.2	4170988	2.07E-08	9.22E-09	3.00E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.20E-10	3.46E-09
991	609297.9	4170993	8.15E-09	3.63E-09	1.18E-08	1.35E-09	6.33E-10	1.99E-09	9.99E-10	3.62E-10	1.36E-09
992	609289.1	4170989	8.13E-09	3.62E-09	1.17E-08	1.35E-09	6.32E-10	1.98E-09	9.97E-10	3.61E-10	1.36E-09
993	609280.4	4170985	8.12E-09	3.61E-09	1.17E-08	1.35E-09	6.31E-10	1.98E-09	9.95E-10	3.60E-10	1.36E-09
994	609271.7	4170982	8.11E-09	3.61E-09	1.17E-08	1.35E-09	6.30E-10	1.98E-09	9.94E-10	3.60E-10	1.35E-09
995	609263	4170978	8.10E-09	3.61E-09	1.17E-08	1.35E-09	6.29E-10	1.98E-09	9.93E-10	3.60E-10	1.35E-09
996	609254.3	4170974	8.09E-09	3.60E-09	1.17E-08	1.34E-09	6.29E-10	1.97E-09	9.92E-10	3.59E-10	1.35E-09
997	609210.7	4170956	8.02E-09	3.57E-09	1.16E-08	1.33E-09	6.23E-10	1.95E-09	9.83E-10	3.56E-10	1.34E-09
998	609202	4170952	7.98E-09	3.55E-09	1.15E-08	1.33E-09	6.20E-10	1.95E-09	9.79E-10	3.54E-10	1.33E-09
999	609193.3	4170949	7.94E-09	3.53E-09	1.15E-08	1.32E-09	6.17E-10	1.94E-09	9.74E-10	3.52E-10	1.33E-09
1000	609158.4	4170934	7.67E-09	3.42E-09	1.11E-08	1.27E-09	5.96E-10	1.87E-09	9.41E-10	3.41E-10	1.28E-09
1001	609149.7	4170930	7.58E-09	3.38E-09	1.10E-08	1.26E-09	5.89E-10	1.85E-09	9.30E-10	3.37E-10	1.27E-09
1002	609141	4170926	7.49E-09	3.33E-09	1.08E-08	1.24E-09	5.82E-10	1.83E-09	9.18E-10	3.32E-10	1.25E-09
1003	609132.2	4170923	7.38E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.05E-10	3.28E-10	1.23E-09
1004	609123.5	4170919	7.27E-09	3.24E-09	1.05E-08	1.21E-09	5.65E-10	1.77E-09	8.91E-10	3.23E-10	1.21E-09

1005	609111.3	4170907	7.25E-09	3.23E-09	1.05E-08	1.20E-09	5.63E-10	1.77E-09	8.89E-10	3.22E-10	1.21E-09
1006	609107.8	4170898	7.34E-09	3.27E-09	1.06E-08	1.22E-09	5.71E-10	1.79E-09	9.00E-10	3.26E-10	1.23E-09
1007	609104.3	4170889	7.43E-09	3.31E-09	1.07E-08	1.23E-09	5.77E-10	1.81E-09	9.11E-10	3.30E-10	1.24E-09
1008	609100.8	4170880	7.52E-09	3.35E-09	1.09E-08	1.25E-09	5.84E-10	1.83E-09	9.22E-10	3.34E-10	1.26E-09
1009	609086.8	4170845	7.82E-09	3.48E-09	1.13E-08	1.30E-09	6.08E-10	1.91E-09	9.59E-10	3.47E-10	1.31E-09
1010	609083.3	4170836	7.89E-09	3.51E-09	1.14E-08	1.31E-09	6.13E-10	1.92E-09	9.68E-10	3.50E-10	1.32E-09
1011	609079.8	4170827	7.96E-09	3.54E-09	1.15E-08	1.32E-09	6.18E-10	1.94E-09	9.75E-10	3.53E-10	1.33E-09
1012	609076.3	4170819	8.00E-09	3.56E-09	1.16E-08	1.33E-09	6.22E-10	1.95E-09	9.81E-10	3.55E-10	1.34E-09
1013	609072.8	4170810	8.03E-09	3.58E-09	1.16E-08	1.33E-09	6.24E-10	1.96E-09	9.85E-10	3.57E-10	1.34E-09
1014	609069.3	4170801	8.05E-09	3.58E-09	1.16E-08	1.34E-09	6.26E-10	1.96E-09	9.88E-10	3.58E-10	1.35E-09
1015	609058.8	4170775	8.04E-09	3.58E-09	1.16E-08	1.34E-09	6.25E-10	1.96E-09	9.86E-10	3.57E-10	1.34E-09
1016	609055.3	4170766	8.02E-09	3.57E-09	1.16E-08	1.33E-09	6.23E-10	1.95E-09	9.83E-10	3.56E-10	1.34E-09
1017	609051.8	4170757	7.98E-09	3.55E-09	1.15E-08	1.33E-09	6.20E-10	1.95E-09	9.78E-10	3.54E-10	1.33E-09
1018	609048.3	4170748	7.94E-09	3.53E-09	1.15E-08	1.32E-09	6.17E-10	1.94E-09	9.74E-10	3.52E-10	1.33E-09
1019	609044.8	4170739	7.90E-09	3.52E-09	1.14E-08	1.31E-09	6.14E-10	1.93E-09	9.69E-10	3.51E-10	1.32E-09
1020	609041.3	4170731	7.87E-09	3.50E-09	1.14E-08	1.31E-09	6.11E-10	1.92E-09	9.65E-10	3.49E-10	1.31E-09
1021	609306.6	4170997	8.17E-09	3.64E-09	1.18E-08	1.36E-09	6.35E-10	1.99E-09	1.00E-09	3.63E-10	1.36E-09
1022	609316.4	4170997	8.38E-09	3.73E-09	1.21E-08	1.39E-09	6.51E-10	2.04E-09	1.03E-09	3.72E-10	1.40E-09
1023	609326.3	4170997	8.60E-09	3.83E-09	1.24E-08	1.43E-09	6.68E-10	2.10E-09	1.05E-09	3.82E-10	1.44E-09
1024	609336.1	4170997	8.85E-09	3.94E-09	1.28E-08	1.47E-09	6.87E-10	2.16E-09	1.08E-09	3.93E-10	1.48E-09
1025	609345.9	4170997	9.12E-09	4.06E-09	1.32E-08	1.51E-09	7.08E-10	2.22E-09	1.12E-09	4.05E-10	1.52E-09
1026	609355.8	4170997	9.41E-09	4.19E-09	1.36E-08	1.56E-09	7.31E-10	2.29E-09	1.15E-09	4.18E-10	1.57E-09
1027	609365.6	4170997	9.73E-09	4.33E-09	1.41E-08	1.62E-09	7.56E-10	2.37E-09	1.19E-09	4.32E-10	1.62E-09
1028	609375.5	4170997	1.01E-08	4.48E-09	1.46E-08	1.67E-09	7.83E-10	2.46E-09	1.24E-09	4.47E-10	1.68E-09
1029	609385.3	4170997	1.04E-08	4.65E-09	1.51E-08	1.74E-09	8.12E-10	2.55E-09	1.28E-09	4.64E-10	1.74E-09
1030	609395.2	4170997	1.08E-08	4.82E-09	1.57E-08	1.80E-09	8.42E-10	2.64E-09	1.33E-09	4.81E-10	1.81E-09
1031	609405	4170997	1.12E-08	5.01E-09	1.63E-08	1.87E-09	8.74E-10	2.74E-09	1.38E-09	4.99E-10	1.88E-09
1032	609414.8	4170997	1.17E-08	5.20E-09	1.69E-08	1.94E-09	9.07E-10	2.85E-09	1.43E-09	5.18E-10	1.95E-09
1033	609424.7	4170997	1.21E-08	5.40E-09	1.75E-08	2.01E-09	9.42E-10	2.96E-09	1.49E-09	5.38E-10	2.03E-09
1034	609434.5	4170997	1.26E-08	5.61E-09	1.82E-08	2.09E-09	9.79E-10	3.07E-09	1.54E-09	5.59E-10	2.10E-09
1035	609444.4	4170997	1.31E-08	5.82E-09	1.89E-08	2.17E-09	1.02E-09	3.19E-09	1.60E-09	5.81E-10	2.18E-09
1036	609454.2	4170997	1.36E-08	6.04E-09	1.96E-08	2.25E-09	1.05E-09	3.31E-09	1.66E-09	6.02E-10	2.27E-09
1037	609464.1	4170997	1.41E-08	6.26E-09	2.03E-08	2.34E-09	1.09E-09	3.43E-09	1.73E-09	6.25E-10	2.35E-09
1038	609473.9	4170997	1.46E-08	6.49E-09	2.11E-08	2.42E-09	1.13E-09	3.55E-09	1.79E-09	6.47E-10	2.43E-09
1039	609483.7	4170997	1.51E-08	6.71E-09	2.18E-08	2.51E-09	1.17E-09	3.68E-09	1.85E-09	6.70E-10	2.52E-09
1040	609493.6	4170997	1.56E-08	6.94E-09	2.25E-08	2.59E-09	1.21E-09	3.80E-09	1.91E-09	6.92E-10	2.60E-09
1041	609503.4	4170997	1.61E-08	7.16E-09	2.32E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.14E-10	2.69E-09
1042	609513.3	4170997	1.66E-08	7.38E-09	2.40E-08	2.75E-09	1.29E-09	4.04E-09	2.03E-09	7.36E-10	2.77E-09
1043	609523.1	4170997	1.71E-08	7.59E-09	2.46E-08	2.83E-09	1.33E-09	4.16E-09	2.09E-09	7.57E-10	2.85E-09
1044	609533	4170998	1.75E-08	7.79E-09	2.53E-08	2.91E-09	1.36E-09	4.27E-09	2.15E-09	7.77E-10	2.92E-09
1045	609542.8	4170998	1.79E-08	7.99E-09	2.59E-08	2.98E-09	1.39E-09	4.38E-09	2.20E-09	7.97E-10	3.00E-09
1046	609552.7	4170998	1.84E-08	8.17E-09	2.65E-08	3.05E-09	1.43E-09	4.47E-09	2.25E-09	8.15E-10	3.07E-09
1047	609562.5	4170998	1.87E-08	8.34E-09	2.71E-08	3.11E-09	1.46E-09	4.57E-09	2.30E-09	8.31E-10	3.13E-09
1048	609572.3	4170998	1.91E-08	8.49E-09	2.76E-08	3.17E-09	1.48E-09	4.65E-09	2.34E-09	8.47E-10	3.19E-09
1049	609582.2	4170998	1.94E-08	8.63E-09	2.80E-08	3.22E-09	1.51E-09	4.73E-09	2.38E-09	8.61E-10	3.24E-09
1050	609297.5	4171003	7.76E-09	3.45E-09	1.12E-08	1.29E-09	6.03E-10	1.89E-09	9.52E-10	3.45E-10	1.30E-09
1051	609288.4	4170999	7.75E-09	3.45E-09	1.12E-08	1.29E-09	6.02E-10	1.89E-09	9.50E-10	3.44E-10	1.29E-09
1052	609279.4	4170995	7.74E-09	3.44E-09	1.12E-08	1.29E-09	6.01E-10	1.89E-09	9.49E-10	3.43E-10	1.29E-09
1053	609270.4	4170991	7.73E-09	3.44E-09	1.12E-08	1.28E-09	6.01E-10	1.89E-09	9.48E-10	3.43E-10	1.29E-09
1054	609225.2	4170972	7.71E-09	3.43E-09	1.11E-08	1.28E-09	5.99E-10	1.88E-09	9.45E-10	3.42E-10	1.29E-09
1055	609216.1	4170968	7.69E-09	3.42E-09	1.11E-08	1.28E-09	5.98E-10	1.88E-09	9.43E-10	3.41E-10	1.28E-09
1056	609207.1	4170964	7.67E-09	3.41E-09	1.11E-08	1.27E-09	5.96E-10	1.87E-09	9.40E-10	3.40E-10	1.28E-09
1057	609198.1	4170961	7.64E-09	3.40E-09	1.10E-08	1.27E-09	5.94E-10	1.86E-09	9.37E-10	3.39E-10	1.28E-09
1058	609189	4170957	7.61E-09	3.38E-09	1.10E-08	1.26E-09	5.91E-10	1.85E-09	9.33E-10	3.38E-10	1.27E-09
1059	609180	4170953	7.56E-09	3.36E-09	1.09E-08	1.26E-09	5.87E-10	1.84E-09	9.27E-10	3.35E-10	1.26E-09
1060	609152.9	4170941	7.36E-09	3.28E-09	1.06E-08	1.22E-09	5.72E-10	1.80E-09	9.03E-10	3.27E-10	1.23E-09

1061	609143.8	4170938	7.28E-09	3.24E-09	1.05E-08	1.21E-09	5.66E-10	1.77E-09	8.92E-10	3.23E-10	1.22E-09
1062	609134.8	4170934	7.19E-09	3.20E-09	1.04E-08	1.19E-09	5.58E-10	1.75E-09	8.81E-10	3.19E-10	1.20E-09
1063	609125.7	4170930	7.09E-09	3.15E-09	1.02E-08	1.18E-09	5.51E-10	1.73E-09	8.69E-10	3.15E-10	1.18E-09
1064	609116.7	4170926	6.98E-09	3.11E-09	1.01E-08	1.16E-09	5.42E-10	1.70E-09	8.56E-10	3.10E-10	1.17E-09
1065	609104	4170913	6.96E-09	3.10E-09	1.01E-08	1.16E-09	5.41E-10	1.70E-09	8.53E-10	3.09E-10	1.16E-09
1066	609100.4	4170904	7.05E-09	3.14E-09	1.02E-08	1.17E-09	5.48E-10	1.72E-09	8.64E-10	3.13E-10	1.18E-09
1067	609096.8	4170895	7.13E-09	3.17E-09	1.03E-08	1.18E-09	5.54E-10	1.74E-09	8.75E-10	3.17E-10	1.19E-09
1068	609093.1	4170886	7.21E-09	3.21E-09	1.04E-08	1.20E-09	5.60E-10	1.76E-09	8.84E-10	3.20E-10	1.20E-09
1069	609078.6	4170849	7.51E-09	3.34E-09	1.08E-08	1.25E-09	5.83E-10	1.83E-09	9.20E-10	3.33E-10	1.25E-09
1070	609075	4170840	7.57E-09	3.37E-09	1.09E-08	1.26E-09	5.88E-10	1.85E-09	9.29E-10	3.36E-10	1.26E-09
1071	609071.4	4170831	7.63E-09	3.40E-09	1.10E-08	1.27E-09	5.93E-10	1.86E-09	9.36E-10	3.39E-10	1.27E-09
1072	609067.7	4170822	7.68E-09	3.42E-09	1.11E-08	1.28E-09	5.97E-10	1.87E-09	9.41E-10	3.41E-10	1.28E-09
1073	609064.1	4170813	7.71E-09	3.43E-09	1.11E-08	1.28E-09	5.99E-10	1.88E-09	9.45E-10	3.42E-10	1.29E-09
1074	609060.5	4170804	7.73E-09	3.44E-09	1.12E-08	1.28E-09	6.00E-10	1.88E-09	9.48E-10	3.43E-10	1.29E-09
1075	609046	4170767	7.68E-09	3.42E-09	1.11E-08	1.28E-09	5.97E-10	1.87E-09	9.42E-10	3.41E-10	1.28E-09
1076	609042.4	4170758	7.65E-09	3.40E-09	1.11E-08	1.27E-09	5.94E-10	1.86E-09	9.38E-10	3.39E-10	1.28E-09
1077	609038.7	4170749	7.61E-09	3.39E-09	1.10E-08	1.26E-09	5.91E-10	1.86E-09	9.33E-10	3.38E-10	1.27E-09
1078	609035.1	4170740	7.57E-09	3.37E-09	1.09E-08	1.26E-09	5.88E-10	1.85E-09	9.28E-10	3.36E-10	1.26E-09
1079	609031.5	4170731	7.54E-09	3.36E-09	1.09E-08	1.25E-09	5.86E-10	1.84E-09	9.24E-10	3.35E-10	1.26E-09
1080	609306.5	4171007	7.78E-09	3.46E-09	1.12E-08	1.29E-09	6.05E-10	1.90E-09	9.54E-10	3.45E-10	1.30E-09
1081	609316.4	4171007	7.97E-09	3.55E-09	1.15E-08	1.32E-09	6.20E-10	1.94E-09	9.78E-10	3.54E-10	1.33E-09
1082	609326.2	4171007	8.18E-09	3.64E-09	1.18E-08	1.36E-09	6.36E-10	1.99E-09	1.00E-09	3.63E-10	1.37E-09
1083	609336.1	4171007	8.40E-09	3.74E-09	1.21E-08	1.40E-09	6.53E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09
1084	609345.9	4171007	8.65E-09	3.85E-09	1.25E-08	1.44E-09	6.72E-10	2.11E-09	1.06E-09	3.84E-10	1.44E-09
1085	609355.7	4171007	8.92E-09	3.97E-09	1.29E-08	1.48E-09	6.93E-10	2.17E-09	1.09E-09	3.96E-10	1.49E-09
1086	609365.6	4171007	9.22E-09	4.10E-09	1.33E-08	1.53E-09	7.16E-10	2.25E-09	1.13E-09	4.09E-10	1.54E-09
1087	609375.4	4171007	9.53E-09	4.24E-09	1.38E-08	1.58E-09	7.41E-10	2.32E-09	1.17E-09	4.23E-10	1.59E-09
1088	609385.3	4171007	9.88E-09	4.40E-09	1.43E-08	1.64E-09	7.67E-10	2.41E-09	1.21E-09	4.38E-10	1.65E-09
1089	609395.1	4171007	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.95E-10	2.49E-09	1.25E-09	4.54E-10	1.71E-09
1090	609405	4171007	1.06E-08	4.72E-09	1.53E-08	1.76E-09	8.25E-10	2.59E-09	1.30E-09	4.71E-10	1.77E-09
1091	609414.8	4171007	1.10E-08	4.90E-09	1.59E-08	1.83E-09	8.55E-10	2.68E-09	1.35E-09	4.89E-10	1.84E-09
1092	609424.6	4171007	1.14E-08	5.08E-09	1.65E-08	1.90E-09	8.88E-10	2.79E-09	1.40E-09	5.07E-10	1.91E-09
1093	609434.5	4171007	1.19E-08	5.28E-09	1.71E-08	1.97E-09	9.21E-10	2.89E-09	1.45E-09	5.26E-10	1.98E-09
1094	609444.3	4171007	1.23E-08	5.47E-09	1.78E-08	2.04E-09	9.56E-10	3.00E-09	1.51E-09	5.46E-10	2.05E-09
1095	609454.2	4171007	1.28E-08	5.68E-09	1.84E-08	2.12E-09	9.91E-10	3.11E-09	1.56E-09	5.66E-10	2.13E-09
1096	609464	4171007	1.32E-08	5.88E-09	1.91E-08	2.20E-09	1.03E-09	3.22E-09	1.62E-09	5.87E-10	2.21E-09
1097	609473.9	4171007	1.37E-08	6.09E-09	1.98E-08	2.27E-09	1.06E-09	3.34E-09	1.68E-09	6.07E-10	2.28E-09
1098	609483.7	4171007	1.42E-08	6.30E-09	2.04E-08	2.35E-09	1.10E-09	3.45E-09	1.73E-09	6.28E-10	2.36E-09
1099	609493.5	4171007	1.46E-08	6.50E-09	2.11E-08	2.43E-09	1.14E-09	3.56E-09	1.79E-09	6.49E-10	2.44E-09
1100	609503.4	4171007	1.51E-08	6.71E-09	2.18E-08	2.50E-09	1.17E-09	3.68E-09	1.85E-09	6.69E-10	2.52E-09
1101	609513.2	4171007	1.55E-08	6.91E-09	2.24E-08	2.58E-09	1.21E-09	3.79E-09	1.90E-09	6.89E-10	2.59E-09
1102	609523.1	4171007	1.60E-08	7.11E-09	2.31E-08	2.65E-09	1.24E-09	3.90E-09	1.96E-09	7.09E-10	2.67E-09
1103	609532.9	4171008	1.64E-08	7.30E-09	2.37E-08	2.73E-09	1.27E-09	4.00E-09	2.01E-09	7.28E-10	2.74E-09
1104	609542.8	4171008	1.68E-08	7.48E-09	2.43E-08	2.79E-09	1.31E-09	4.10E-09	2.06E-09	7.46E-10	2.81E-09
1105	609552.6	4171008	1.72E-08	7.65E-09	2.49E-08	2.86E-09	1.34E-09	4.19E-09	2.11E-09	7.63E-10	2.87E-09
1106	609562.5	4171008	1.76E-08	7.81E-09	2.54E-08	2.92E-09	1.36E-09	4.28E-09	2.15E-09	7.79E-10	2.93E-09
1107	609572.3	4171008	1.79E-08	7.96E-09	2.58E-08	2.97E-09	1.39E-09	4.36E-09	2.19E-09	7.94E-10	2.99E-09
1108	609582.1	4171008	1.82E-08	8.09E-09	2.63E-08	3.02E-09	1.41E-09	4.43E-09	2.23E-09	8.07E-10	3.04E-09
1109	609297.5	4171013	7.41E-09	3.30E-09	1.07E-08	1.23E-09	5.75E-10	1.81E-09	9.08E-10	3.29E-10	1.24E-09
1110	609288.6	4171009	7.39E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.06E-10	3.28E-10	1.23E-09
1111	609279.6	4171005	7.39E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.06E-10	3.28E-10	1.23E-09
1112	609234.8	4170986	7.38E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.05E-10	3.28E-10	1.23E-09
1113	609225.9	4170982	7.38E-09	3.28E-09	1.07E-08	1.23E-09	5.73E-10	1.80E-09	9.05E-10	3.28E-10	1.23E-09
1114	609216.9	4170979	7.37E-09	3.28E-09	1.06E-08	1.22E-09	5.73E-10	1.80E-09	9.04E-10	3.27E-10	1.23E-09
1115	609208	4170975	7.36E-09	3.27E-09	1.06E-08	1.22E-09	5.72E-10	1.79E-09	9.02E-10	3.26E-10	1.23E-09
1116	609199	4170971	7.34E-09	3.27E-09	1.06E-08	1.22E-09	5.70E-10	1.79E-09	9.00E-10	3.26E-10	1.23E-09

1117	609190.1	4170967	7.31E-09	3.25E-09	1.06E-08	1.21E-09	5.68E-10	1.78E-09	8.97E-10	3.25E-10	1.22E-09
1118	609181.1	4170963	7.28E-09	3.24E-09	1.05E-08	1.21E-09	5.66E-10	1.77E-09	8.93E-10	3.23E-10	1.22E-09
1119	609172.2	4170960	7.24E-09	3.22E-09	1.05E-08	1.20E-09	5.62E-10	1.76E-09	8.87E-10	3.21E-10	1.21E-09
1120	609145.3	4170948	7.06E-09	3.14E-09	1.02E-08	1.17E-09	5.48E-10	1.72E-09	8.65E-10	3.13E-10	1.18E-09
1121	609136.3	4170944	6.98E-09	3.11E-09	1.01E-08	1.16E-09	5.42E-10	1.70E-09	8.56E-10	3.10E-10	1.17E-09
1122	609127.4	4170941	6.90E-09	3.07E-09	9.96E-09	1.15E-09	5.36E-10	1.68E-09	8.45E-10	3.06E-10	1.15E-09
1123	609118.4	4170937	6.80E-09	3.03E-09	9.83E-09	1.13E-09	5.29E-10	1.66E-09	8.34E-10	3.02E-10	1.14E-09
1124	609109.5	4170933	6.70E-09	2.98E-09	9.69E-09	1.11E-09	5.21E-10	1.63E-09	8.22E-10	2.98E-10	1.12E-09
1125	609096.9	4170920	6.69E-09	2.98E-09	9.66E-09	1.11E-09	5.19E-10	1.63E-09	8.20E-10	2.97E-10	1.12E-09
1126	609093.3	4170911	6.77E-09	3.01E-09	9.78E-09	1.12E-09	5.26E-10	1.65E-09	8.30E-10	3.00E-10	1.13E-09
1127	609089.7	4170902	6.84E-09	3.05E-09	9.89E-09	1.14E-09	5.32E-10	1.67E-09	8.39E-10	3.04E-10	1.14E-09
1128	609086.1	4170893	6.92E-09	3.08E-09	1.00E-08	1.15E-09	5.38E-10	1.69E-09	8.48E-10	3.07E-10	1.16E-09
1129	609082.5	4170884	6.99E-09	3.11E-09	1.01E-08	1.16E-09	5.43E-10	1.70E-09	8.57E-10	3.10E-10	1.17E-09
1130	609071.8	4170857	7.19E-09	3.20E-09	1.04E-08	1.19E-09	5.59E-10	1.75E-09	8.81E-10	3.19E-10	1.20E-09
1131	609068.2	4170848	7.25E-09	3.23E-09	1.05E-08	1.20E-09	5.63E-10	1.77E-09	8.89E-10	3.22E-10	1.21E-09
1132	609064.6	4170839	7.31E-09	3.25E-09	1.06E-08	1.21E-09	5.68E-10	1.78E-09	8.96E-10	3.24E-10	1.22E-09
1133	609061	4170830	7.35E-09	3.27E-09	1.06E-08	1.22E-09	5.71E-10	1.79E-09	9.02E-10	3.26E-10	1.23E-09
1134	609057.4	4170821	7.39E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.06E-10	3.28E-10	1.23E-09
1135	609053.8	4170812	7.41E-09	3.30E-09	1.07E-08	1.23E-09	5.76E-10	1.81E-09	9.09E-10	3.29E-10	1.24E-09
1136	609050.2	4170803	7.43E-09	3.31E-09	1.07E-08	1.23E-09	5.77E-10	1.81E-09	9.11E-10	3.30E-10	1.24E-09
1137	609046.6	4170794	7.43E-09	3.31E-09	1.07E-08	1.23E-09	5.77E-10	1.81E-09	9.11E-10	3.30E-10	1.24E-09
1138	609035.8	4170767	7.37E-09	3.28E-09	1.06E-08	1.22E-09	5.72E-10	1.80E-09	9.03E-10	3.27E-10	1.23E-09
1139	609032.2	4170758	7.33E-09	3.26E-09	1.06E-08	1.22E-09	5.69E-10	1.79E-09	8.99E-10	3.25E-10	1.22E-09
1140	609028.6	4170749	7.29E-09	3.25E-09	1.05E-08	1.21E-09	5.67E-10	1.78E-09	8.94E-10	3.24E-10	1.22E-09
1141	609025	4170740	7.26E-09	3.23E-09	1.05E-08	1.21E-09	5.64E-10	1.77E-09	8.90E-10	3.22E-10	1.21E-09
1142	609021.4	4170731	7.23E-09	3.22E-09	1.04E-08	1.20E-09	5.62E-10	1.76E-09	8.86E-10	3.21E-10	1.21E-09
1143	609306.5	4171017	7.42E-09	3.30E-09	1.07E-08	1.23E-09	5.77E-10	1.81E-09	9.10E-10	3.30E-10	1.24E-09
1144	609316.3	4171017	7.60E-09	3.38E-09	1.10E-08	1.26E-09	5.90E-10	1.85E-09	9.32E-10	3.37E-10	1.27E-09
1145	609326.2	4171017	7.79E-09	3.47E-09	1.13E-08	1.29E-09	6.05E-10	1.90E-09	9.55E-10	3.46E-10	1.30E-09
1146	609336	4171017	8.00E-09	3.56E-09	1.16E-08	1.33E-09	6.22E-10	1.95E-09	9.81E-10	3.55E-10	1.34E-09
1147	609345.9	4171017	8.23E-09	3.66E-09	1.19E-08	1.37E-09	6.39E-10	2.01E-09	1.01E-09	3.65E-10	1.37E-09
1148	609355.7	4171017	8.47E-09	3.77E-09	1.22E-08	1.41E-09	6.58E-10	2.07E-09	1.04E-09	3.76E-10	1.42E-09
1149	609244.3	4171000	7.06E-09	3.14E-09	1.02E-08	1.17E-09	5.49E-10	1.72E-09	8.66E-10	3.13E-10	1.18E-09
1150	609235.4	4170996	7.06E-09	3.14E-09	1.02E-08	1.17E-09	5.49E-10	1.72E-09	8.66E-10	3.13E-10	1.18E-09
1151	609226.5	4170993	7.07E-09	3.14E-09	1.02E-08	1.17E-09	5.49E-10	1.72E-09	8.66E-10	3.14E-10	1.18E-09
1152	609217.7	4170989	7.06E-09	3.14E-09	1.02E-08	1.17E-09	5.49E-10	1.72E-09	8.66E-10	3.14E-10	1.18E-09
1153	609208.8	4170985	7.06E-09	3.14E-09	1.02E-08	1.17E-09	5.48E-10	1.72E-09	8.65E-10	3.13E-10	1.18E-09
1154	609199.9	4170981	7.05E-09	3.14E-09	1.02E-08	1.17E-09	5.48E-10	1.72E-09	8.64E-10	3.13E-10	1.18E-09
1155	609191	4170978	7.03E-09	3.13E-09	1.02E-08	1.17E-09	5.46E-10	1.71E-09	8.62E-10	3.12E-10	1.17E-09
1156	609182.1	4170974	7.01E-09	3.12E-09	1.01E-08	1.16E-09	5.45E-10	1.71E-09	8.59E-10	3.11E-10	1.17E-09
1157	609173.3	4170970	6.98E-09	3.11E-09	1.01E-08	1.16E-09	5.42E-10	1.70E-09	8.56E-10	3.10E-10	1.17E-09
1158	609164.4	4170966	6.94E-09	3.09E-09	1.00E-08	1.15E-09	5.39E-10	1.69E-09	8.51E-10	3.08E-10	1.16E-09
1159	609137.8	4170955	6.77E-09	3.02E-09	9.79E-09	1.13E-09	5.26E-10	1.65E-09	8.31E-10	3.01E-10	1.13E-09
1160	609128.9	4170951	6.70E-09	2.98E-09	9.69E-09	1.11E-09	5.21E-10	1.63E-09	8.22E-10	2.98E-10	1.12E-09
1161	609120	4170948	6.62E-09	2.95E-09	9.57E-09	1.10E-09	5.15E-10	1.61E-09	8.12E-10	2.94E-10	1.11E-09
1162	609111.1	4170944	6.54E-09	2.91E-09	9.45E-09	1.09E-09	5.08E-10	1.59E-09	8.02E-10	2.90E-10	1.09E-09
1163	609102.2	4170940	6.45E-09	2.87E-09	9.31E-09	1.07E-09	5.01E-10	1.57E-09	7.90E-10	2.86E-10	1.08E-09
1164	609089.8	4170927	6.43E-09	2.86E-09	9.29E-09	1.07E-09	4.99E-10	1.57E-09	7.88E-10	2.85E-10	1.07E-09
1165	609086.2	4170918	6.50E-09	2.89E-09	9.40E-09	1.08E-09	5.05E-10	1.59E-09	7.97E-10	2.89E-10	1.09E-09
1166	609082.7	4170909	6.58E-09	2.93E-09	9.50E-09	1.09E-09	5.11E-10	1.60E-09	8.06E-10	2.92E-10	1.10E-09
1167	609079.1	4170900	6.64E-09	2.96E-09	9.60E-09	1.10E-09	5.16E-10	1.62E-09	8.15E-10	2.95E-10	1.11E-09
1168	609075.5	4170892	6.71E-09	2.99E-09	9.70E-09	1.11E-09	5.21E-10	1.64E-09	8.23E-10	2.98E-10	1.12E-09
1169	609064.9	4170865	6.90E-09	3.07E-09	9.96E-09	1.15E-09	5.36E-10	1.68E-09	8.45E-10	3.06E-10	1.15E-09
1170	609061.3	4170856	6.95E-09	3.09E-09	1.00E-08	1.15E-09	5.40E-10	1.70E-09	8.52E-10	3.09E-10	1.16E-09
1171	609057.7	4170847	7.01E-09	3.12E-09	1.01E-08	1.16E-09	5.44E-10	1.71E-09	8.59E-10	3.11E-10	1.17E-09
1172	609054.2	4170838	7.05E-09	3.14E-09	1.02E-08	1.17E-09	5.48E-10	1.72E-09	8.65E-10	3.13E-10	1.18E-09

1173	609050.6	4170829	7.09E-09	3.16E-09	1.02E-08	1.18E-09	5.51E-10	1.73E-09	8.70E-10	3.15E-10	1.18E-09
1174	609047	4170820	7.12E-09	3.17E-09	1.03E-08	1.18E-09	5.53E-10	1.74E-09	8.73E-10	3.16E-10	1.19E-09
1175	609043.5	4170811	7.14E-09	3.18E-09	1.03E-08	1.19E-09	5.55E-10	1.74E-09	8.76E-10	3.17E-10	1.19E-09
1176	609039.9	4170802	7.15E-09	3.18E-09	1.03E-08	1.19E-09	5.55E-10	1.74E-09	8.76E-10	3.17E-10	1.19E-09
1177	609036.3	4170793	7.14E-09	3.18E-09	1.03E-08	1.19E-09	5.55E-10	1.74E-09	8.76E-10	3.17E-10	1.19E-09
1178	609022.1	4170757	7.03E-09	3.13E-09	1.02E-08	1.17E-09	5.46E-10	1.71E-09	8.62E-10	3.12E-10	1.17E-09
1179	609018.5	4170748	7.00E-09	3.12E-09	1.01E-08	1.16E-09	5.44E-10	1.71E-09	8.58E-10	3.11E-10	1.17E-09
1180	609015	4170739	6.97E-09	3.10E-09	1.01E-08	1.16E-09	5.42E-10	1.70E-09	8.54E-10	3.09E-10	1.16E-09
1181	609011.4	4170730	6.94E-09	3.09E-09	1.00E-08	1.15E-09	5.39E-10	1.69E-09	8.51E-10	3.08E-10	1.16E-09
1182	609253.5	4171014	6.75E-09	3.01E-09	9.76E-09	1.12E-09	5.25E-10	1.65E-09	8.28E-10	3.00E-10	1.13E-09
1183	609244.7	4171010	6.76E-09	3.01E-09	9.77E-09	1.12E-09	5.25E-10	1.65E-09	8.29E-10	3.00E-10	1.13E-09
1184	609235.9	4171007	6.76E-09	3.01E-09	9.77E-09	1.12E-09	5.25E-10	1.65E-09	8.29E-10	3.00E-10	1.13E-09
1185	609227.1	4171003	6.77E-09	3.01E-09	9.78E-09	1.12E-09	5.26E-10	1.65E-09	8.30E-10	3.00E-10	1.13E-09
1186	609218.3	4170999	6.77E-09	3.01E-09	9.79E-09	1.13E-09	5.26E-10	1.65E-09	8.31E-10	3.01E-10	1.13E-09
1187	609209.5	4170996	6.78E-09	3.02E-09	9.79E-09	1.13E-09	5.26E-10	1.65E-09	8.31E-10	3.01E-10	1.13E-09
1188	609200.7	4170992	6.77E-09	3.01E-09	9.79E-09	1.12E-09	5.26E-10	1.65E-09	8.30E-10	3.01E-10	1.13E-09
1189	609191.9	4170988	6.76E-09	3.01E-09	9.77E-09	1.12E-09	5.26E-10	1.65E-09	8.29E-10	3.00E-10	1.13E-09
1190	609183.1	4170984	6.75E-09	3.00E-09	9.75E-09	1.12E-09	5.24E-10	1.65E-09	8.28E-10	3.00E-10	1.13E-09
1191	609174.3	4170981	6.73E-09	3.00E-09	9.72E-09	1.12E-09	5.23E-10	1.64E-09	8.25E-10	2.99E-10	1.12E-09
1192	609165.5	4170977	6.70E-09	2.98E-09	9.68E-09	1.11E-09	5.21E-10	1.63E-09	8.22E-10	2.97E-10	1.12E-09
1193	609156.7	4170973	6.67E-09	2.97E-09	9.63E-09	1.11E-09	5.18E-10	1.63E-09	8.17E-10	2.96E-10	1.11E-09
1194	609130.3	4170962	6.51E-09	2.90E-09	9.41E-09	1.08E-09	5.06E-10	1.59E-09	7.98E-10	2.89E-10	1.09E-09
1195	609121.4	4170958	6.44E-09	2.87E-09	9.31E-09	1.07E-09	5.01E-10	1.57E-09	7.90E-10	2.86E-10	1.08E-09
1196	609112.6	4170955	6.37E-09	2.84E-09	9.21E-09	1.06E-09	4.95E-10	1.55E-09	7.81E-10	2.83E-10	1.06E-09
1197	609103.8	4170951	6.29E-09	2.80E-09	9.09E-09	1.04E-09	4.89E-10	1.53E-09	7.71E-10	2.79E-10	1.05E-09
1198	609095	4170947	6.20E-09	2.76E-09	8.97E-09	1.03E-09	4.82E-10	1.51E-09	7.61E-10	2.75E-10	1.04E-09
1199	609082.7	4170934	6.19E-09	2.75E-09	8.94E-09	1.03E-09	4.81E-10	1.51E-09	7.59E-10	2.75E-10	1.03E-09
1200	609079.1	4170926	6.26E-09	2.78E-09	9.04E-09	1.04E-09	4.86E-10	1.53E-09	7.67E-10	2.78E-10	1.04E-09
1201	609075.6	4170917	6.32E-09	2.81E-09	9.14E-09	1.05E-09	4.91E-10	1.54E-09	7.75E-10	2.81E-10	1.06E-09
1202	609072.1	4170908	6.39E-09	2.84E-09	9.23E-09	1.06E-09	4.96E-10	1.56E-09	7.83E-10	2.84E-10	1.07E-09
1203	609068.5	4170899	6.45E-09	2.87E-09	9.32E-09	1.07E-09	5.01E-10	1.57E-09	7.91E-10	2.86E-10	1.08E-09
1204	609057.9	4170872	6.62E-09	2.95E-09	9.57E-09	1.10E-09	5.15E-10	1.61E-09	8.12E-10	2.94E-10	1.11E-09
1205	609054.4	4170863	6.68E-09	2.97E-09	9.65E-09	1.11E-09	5.19E-10	1.63E-09	8.19E-10	2.96E-10	1.11E-09
1206	609050.9	4170854	6.73E-09	2.99E-09	9.72E-09	1.12E-09	5.23E-10	1.64E-09	8.25E-10	2.99E-10	1.12E-09
1207	609047.3	4170846	6.77E-09	3.01E-09	9.79E-09	1.13E-09	5.26E-10	1.65E-09	8.31E-10	3.01E-10	1.13E-09
1208	609043.8	4170837	6.81E-09	3.03E-09	9.85E-09	1.13E-09	5.30E-10	1.66E-09	8.36E-10	3.02E-10	1.14E-09
1209	609040.3	4170828	6.85E-09	3.05E-09	9.90E-09	1.14E-09	5.32E-10	1.67E-09	8.40E-10	3.04E-10	1.14E-09
1210	609036.7	4170819	6.87E-09	3.06E-09	9.93E-09	1.14E-09	5.34E-10	1.68E-09	8.42E-10	3.05E-10	1.15E-09
1211	609033.2	4170810	6.88E-09	3.06E-09	9.95E-09	1.14E-09	5.35E-10	1.68E-09	8.44E-10	3.06E-10	1.15E-09
1212	609029.7	4170801	6.88E-09	3.06E-09	9.95E-09	1.14E-09	5.35E-10	1.68E-09	8.44E-10	3.06E-10	1.15E-09
1213	609026.1	4170792	6.87E-09	3.06E-09	9.93E-09	1.14E-09	5.34E-10	1.68E-09	8.43E-10	3.05E-10	1.15E-09
1214	609022.6	4170783	6.85E-09	3.05E-09	9.90E-09	1.14E-09	5.32E-10	1.67E-09	8.40E-10	3.04E-10	1.14E-09
1215	609012	4170757	6.76E-09	3.01E-09	9.77E-09	1.12E-09	5.25E-10	1.65E-09	8.29E-10	3.00E-10	1.13E-09
1216	609008.4	4170748	6.73E-09	2.99E-09	9.72E-09	1.12E-09	5.23E-10	1.64E-09	8.25E-10	2.99E-10	1.12E-09
1217	609630.1	4170735	3.05E-07	1.36E-07	4.40E-07	5.06E-08	2.37E-08	7.43E-08	3.74E-08	1.35E-08	5.09E-08
1218	609633.2	4170719	3.67E-07	1.63E-07	5.31E-07	6.10E-08	2.85E-08	8.96E-08	4.50E-08	1.63E-08	6.13E-08
1219	609633.4	4170709	4.06E-07	1.81E-07	5.87E-07	6.75E-08	3.16E-08	9.90E-08	4.98E-08	1.80E-08	6.78E-08
1220	609633.5	4170700	4.36E-07	1.94E-07	6.30E-07	7.24E-08	3.39E-08	1.06E-07	5.34E-08	1.93E-08	7.28E-08
1221	609633.7	4170691	4.54E-07	2.02E-07	6.57E-07	7.55E-08	3.53E-08	1.11E-07	5.57E-08	2.02E-08	7.59E-08
1222	609633.8	4170681	4.61E-07	2.05E-07	6.67E-07	7.66E-08	3.59E-08	1.12E-07	5.66E-08	2.05E-08	7.71E-08
1223	609633.9	4170672	4.57E-07	2.04E-07	6.61E-07	7.60E-08	3.55E-08	1.12E-07	5.61E-08	2.03E-08	7.64E-08
1224	609634.1	4170662	4.43E-07	1.97E-07	6.40E-07	7.36E-08	3.44E-08	1.08E-07	5.43E-08	1.97E-08	7.40E-08
1225	609634.2	4170653	4.19E-07	1.86E-07	6.05E-07	6.96E-08	3.25E-08	1.02E-07	5.13E-08	1.86E-08	6.99E-08
1226	609634.4	4170643	3.85E-07	1.71E-07	5.57E-07	6.40E-08	2.99E-08	9.39E-08	4.72E-08	1.71E-08	6.43E-08
1227	609634.5	4170634	3.44E-07	1.53E-07	4.97E-07	5.71E-08	2.67E-08	8.38E-08	4.21E-08	1.53E-08	5.74E-08
1228	609634.7	4170624	2.97E-07	1.32E-07	4.30E-07	4.94E-08	2.31E-08	7.25E-08	3.65E-08	1.32E-08	4.97E-08

1229	609640.1	4170735	2.62E-07	1.17E-07	3.79E-07	4.35E-08	2.04E-08	6.39E-08	3.21E-08	1.16E-08	4.38E-08
1230	609634.1	4170749	2.30E-07	1.02E-07	3.33E-07	3.82E-08	1.79E-08	5.61E-08	2.82E-08	1.02E-08	3.85E-08
1231	609643.2	4170719	3.04E-07	1.35E-07	4.40E-07	5.06E-08	2.37E-08	7.42E-08	3.73E-08	1.35E-08	5.08E-08
1232	609643.4	4170710	3.31E-07	1.48E-07	4.79E-07	5.51E-08	2.58E-08	8.08E-08	4.06E-08	1.47E-08	5.53E-08
1233	609643.5	4170700	3.53E-07	1.57E-07	5.10E-07	5.86E-08	2.74E-08	8.60E-08	4.32E-08	1.57E-08	5.89E-08
1234	609643.7	4170691	3.67E-07	1.63E-07	5.30E-07	6.09E-08	2.85E-08	8.94E-08	4.49E-08	1.63E-08	6.12E-08
1235	609643.8	4170681	3.72E-07	1.66E-07	5.38E-07	6.18E-08	2.89E-08	9.07E-08	4.56E-08	1.65E-08	6.21E-08
1236	609643.9	4170672	3.69E-07	1.64E-07	5.34E-07	6.14E-08	2.87E-08	9.01E-08	4.53E-08	1.64E-08	6.17E-08
1237	609644.1	4170662	3.59E-07	1.60E-07	5.19E-07	5.96E-08	2.79E-08	8.75E-08	4.40E-08	1.59E-08	6.00E-08
1238	609644.2	4170653	3.41E-07	1.52E-07	4.93E-07	5.67E-08	2.65E-08	8.32E-08	4.18E-08	1.51E-08	5.70E-08
1239	609644.4	4170643	3.17E-07	1.41E-07	4.58E-07	5.26E-08	2.46E-08	7.72E-08	3.88E-08	1.41E-08	5.29E-08
1240	609644.5	4170634	2.87E-07	1.28E-07	4.15E-07	4.77E-08	2.23E-08	7.00E-08	3.52E-08	1.27E-08	4.79E-08
1241	609644.7	4170625	2.54E-07	1.13E-07	3.67E-07	4.22E-08	1.97E-08	6.19E-08	3.11E-08	1.13E-08	4.24E-08
1242	609650.1	4170736	2.27E-07	1.01E-07	3.29E-07	3.78E-08	1.77E-08	5.54E-08	2.79E-08	1.01E-08	3.80E-08
1243	609644.1	4170750	2.05E-07	9.14E-08	2.97E-07	3.41E-08	1.60E-08	5.01E-08	2.52E-08	9.11E-09	3.43E-08
1244	609631.1	4170766	1.82E-07	8.11E-08	2.63E-07	3.03E-08	1.42E-08	4.44E-08	2.23E-08	8.09E-09	3.04E-08
1245	609653.2	4170719	2.57E-07	1.15E-07	3.72E-07	4.28E-08	2.00E-08	6.28E-08	3.16E-08	1.14E-08	4.30E-08
1246	609653.4	4170710	2.77E-07	1.23E-07	4.00E-07	4.60E-08	2.15E-08	6.75E-08	3.40E-08	1.23E-08	4.63E-08
1247	609653.5	4170700	2.93E-07	1.30E-07	4.23E-07	4.86E-08	2.27E-08	7.13E-08	3.59E-08	1.30E-08	4.89E-08
1248	609653.7	4170691	3.03E-07	1.35E-07	4.38E-07	5.03E-08	2.35E-08	7.38E-08	3.71E-08	1.34E-08	5.06E-08
1249	609653.8	4170681	3.07E-07	1.37E-07	4.44E-07	5.10E-08	2.39E-08	7.49E-08	3.77E-08	1.36E-08	5.13E-08
1250	609653.9	4170672	3.06E-07	1.36E-07	4.42E-07	5.08E-08	2.37E-08	7.45E-08	3.75E-08	1.36E-08	5.10E-08
1251	609654.1	4170663	2.98E-07	1.33E-07	4.31E-07	4.95E-08	2.32E-08	7.27E-08	3.66E-08	1.32E-08	4.98E-08
1252	609654.2	4170653	2.85E-07	1.27E-07	4.12E-07	4.73E-08	2.21E-08	6.95E-08	3.49E-08	1.27E-08	4.76E-08
1253	609654.4	4170644	2.67E-07	1.19E-07	3.86E-07	4.43E-08	2.07E-08	6.51E-08	3.27E-08	1.18E-08	4.46E-08
1254	609654.5	4170634	2.45E-07	1.09E-07	3.54E-07	4.07E-08	1.90E-08	5.97E-08	3.00E-08	1.09E-08	4.09E-08
1255	609654.6	4170625	2.20E-07	9.80E-08	3.18E-07	3.66E-08	1.71E-08	5.37E-08	2.70E-08	9.78E-09	3.68E-08
1256	609659.5	4170737	1.98E-07	8.80E-08	2.86E-07	3.29E-08	1.54E-08	4.82E-08	2.42E-08	8.78E-09	3.30E-08
1257	609655.9	4170746	1.89E-07	8.40E-08	2.73E-07	3.13E-08	1.47E-08	4.60E-08	2.31E-08	8.37E-09	3.15E-08
1258	609652.3	4170754	1.78E-07	7.91E-08	2.57E-07	2.95E-08	1.38E-08	4.34E-08	2.18E-08	7.89E-09	2.97E-08
1259	609648.7	4170762	1.66E-07	7.39E-08	2.40E-07	2.76E-08	1.29E-08	4.05E-08	2.03E-08	7.37E-09	2.77E-08
1260	609636.6	4170774	1.56E-07	6.96E-08	2.26E-07	2.60E-08	1.22E-08	3.81E-08	1.92E-08	6.94E-09	2.61E-08
1261	609628.2	4170778	1.58E-07	7.01E-08	2.28E-07	2.62E-08	1.22E-08	3.84E-08	1.93E-08	6.99E-09	2.63E-08
1262	609663.1	4170729	2.05E-07	9.11E-08	2.96E-07	3.40E-08	1.59E-08	4.99E-08	2.51E-08	9.08E-09	3.42E-08
1263	609663.2	4170719	2.21E-07	9.84E-08	3.19E-07	3.67E-08	1.72E-08	5.39E-08	2.71E-08	9.81E-09	3.69E-08
1264	609663.4	4170710	2.36E-07	1.05E-07	3.40E-07	3.91E-08	1.83E-08	5.74E-08	2.89E-08	1.05E-08	3.93E-08
1265	609663.5	4170700	2.47E-07	1.10E-07	3.57E-07	4.11E-08	1.92E-08	6.03E-08	3.03E-08	1.10E-08	4.13E-08
1266	609663.7	4170691	2.55E-07	1.14E-07	3.69E-07	4.24E-08	1.98E-08	6.22E-08	3.13E-08	1.13E-08	4.26E-08
1267	609663.8	4170682	2.59E-07	1.15E-07	3.74E-07	4.30E-08	2.01E-08	6.31E-08	3.17E-08	1.15E-08	4.32E-08
1268	609663.9	4170672	2.58E-07	1.15E-07	3.72E-07	4.28E-08	2.00E-08	6.28E-08	3.16E-08	1.14E-08	4.30E-08
1269	609664.1	4170663	2.52E-07	1.12E-07	3.64E-07	4.19E-08	1.96E-08	6.15E-08	3.09E-08	1.12E-08	4.21E-08
1270	609664.2	4170653	2.42E-07	1.08E-07	3.50E-07	4.03E-08	1.88E-08	5.91E-08	2.97E-08	1.08E-08	4.05E-08
1271	609664.4	4170644	2.29E-07	1.02E-07	3.31E-07	3.80E-08	1.78E-08	5.58E-08	2.81E-08	1.02E-08	3.82E-08
1272	609664.5	4170634	2.12E-07	9.45E-08	3.07E-07	3.53E-08	1.65E-08	5.17E-08	2.60E-08	9.42E-09	3.54E-08
1273	609664.6	4170625	1.93E-07	8.61E-08	2.80E-07	3.21E-08	1.50E-08	4.72E-08	2.37E-08	8.59E-09	3.23E-08
1274	609669.6	4170737	1.75E-07	7.78E-08	2.53E-07	2.91E-08	1.36E-08	4.26E-08	2.14E-08	7.76E-09	2.92E-08
1275	609662.6	4170753	1.61E-07	7.16E-08	2.32E-07	2.67E-08	1.25E-08	3.92E-08	1.97E-08	7.14E-09	2.69E-08
1276	609655.6	4170770	1.43E-07	6.36E-08	2.07E-07	2.37E-08	1.11E-08	3.48E-08	1.75E-08	6.34E-09	2.39E-08
1277	609643.9	4170781	1.36E-07	6.04E-08	1.96E-07	2.25E-08	1.05E-08	3.31E-08	1.66E-08	6.02E-09	2.27E-08
1278	609627.4	4170788	1.37E-07	6.09E-08	1.98E-07	2.27E-08	1.06E-08	3.33E-08	1.68E-08	6.07E-09	2.28E-08
1279	609673.2	4170719	1.92E-07	8.55E-08	2.78E-07	3.19E-08	1.49E-08	4.68E-08	2.36E-08	8.53E-09	3.21E-08
1280	609673.4	4170710	2.03E-07	9.05E-08	2.94E-07	3.38E-08	1.58E-08	4.96E-08	2.49E-08	9.02E-09	3.39E-08
1281	609673.5	4170701	2.12E-07	9.44E-08	3.07E-07	3.52E-08	1.65E-08	5.17E-08	2.60E-08	9.42E-09	3.54E-08
1282	609673.7	4170691	2.18E-07	9.71E-08	3.15E-07	3.63E-08	1.70E-08	5.32E-08	2.68E-08	9.69E-09	3.64E-08
1283	609673.8	4170682	2.21E-07	9.84E-08	3.19E-07	3.67E-08	1.72E-08	5.39E-08	2.71E-08	9.81E-09	3.69E-08
1284	609673.9	4170672	2.21E-07	9.82E-08	3.19E-07	3.66E-08	1.71E-08	5.38E-08	2.70E-08	9.79E-09	3.68E-08

1285	609674.1	4170663	2.17E-07	9.64E-08	3.13E-07	3.60E-08	1.68E-08	5.28E-08	2.66E-08	9.61E-09	3.62E-08
1286	609674.2	4170653	2.09E-07	9.31E-08	3.02E-07	3.48E-08	1.63E-08	5.10E-08	2.57E-08	9.29E-09	3.49E-08
1287	609674.4	4170644	1.99E-07	8.85E-08	2.87E-07	3.30E-08	1.55E-08	4.85E-08	2.44E-08	8.83E-09	3.32E-08
1288	609674.5	4170635	1.86E-07	8.28E-08	2.69E-07	3.09E-08	1.45E-08	4.54E-08	2.28E-08	8.26E-09	3.11E-08
1289	609674.6	4170625	1.72E-07	7.63E-08	2.48E-07	2.85E-08	1.33E-08	4.18E-08	2.10E-08	7.61E-09	2.86E-08
1290	609679.7	4170737	1.56E-07	6.93E-08	2.25E-07	2.59E-08	1.21E-08	3.79E-08	1.91E-08	6.91E-09	2.60E-08
1291	609672.8	4170753	1.46E-07	6.48E-08	2.10E-07	2.42E-08	1.13E-08	3.55E-08	1.78E-08	6.46E-09	2.43E-08
1292	609666	4170769	1.32E-07	5.88E-08	1.91E-07	2.19E-08	1.03E-08	3.22E-08	1.62E-08	5.86E-09	2.21E-08
1293	609651.1	4170788	1.19E-07	5.29E-08	1.72E-07	1.98E-08	9.24E-09	2.90E-08	1.46E-08	5.28E-09	1.99E-08
1294	609634.9	4170795	1.20E-07	5.35E-08	1.74E-07	2.00E-08	9.35E-09	2.93E-08	1.47E-08	5.34E-09	2.01E-08
1295	609683.2	4170720	1.69E-07	7.51E-08	2.44E-07	2.80E-08	1.31E-08	4.11E-08	2.07E-08	7.49E-09	2.82E-08
1296	609683.4	4170710	1.77E-07	7.90E-08	2.56E-07	2.95E-08	1.38E-08	4.33E-08	2.17E-08	7.87E-09	2.96E-08
1297	609683.5	4170701	1.84E-07	8.21E-08	2.66E-07	3.06E-08	1.43E-08	4.49E-08	2.26E-08	8.18E-09	3.08E-08
1298	609683.7	4170691	1.89E-07	8.42E-08	2.73E-07	3.14E-08	1.47E-08	4.61E-08	2.32E-08	8.39E-09	3.16E-08
1299	609683.8	4170682	1.91E-07	8.52E-08	2.77E-07	3.18E-08	1.49E-08	4.67E-08	2.35E-08	8.50E-09	3.20E-08
1300	609683.9	4170672	1.91E-07	8.51E-08	2.76E-07	3.18E-08	1.49E-08	4.66E-08	2.34E-08	8.49E-09	3.19E-08
1301	609684.1	4170663	1.88E-07	8.38E-08	2.72E-07	3.13E-08	1.46E-08	4.59E-08	2.31E-08	8.36E-09	3.14E-08
1302	609684.2	4170654	1.83E-07	8.13E-08	2.64E-07	3.03E-08	1.42E-08	4.45E-08	2.24E-08	8.11E-09	3.05E-08
1303	609684.4	4170644	1.75E-07	7.78E-08	2.52E-07	2.90E-08	1.36E-08	4.26E-08	2.14E-08	7.76E-09	2.92E-08
1304	609684.5	4170635	1.65E-07	7.33E-08	2.38E-07	2.74E-08	1.28E-08	4.02E-08	2.02E-08	7.31E-09	2.75E-08
1305	609684.6	4170625	1.53E-07	6.82E-08	2.21E-07	2.55E-08	1.19E-08	3.74E-08	1.88E-08	6.80E-09	2.56E-08
1306	609689.7	4170737	1.39E-07	6.20E-08	2.01E-07	2.31E-08	1.08E-08	3.40E-08	1.71E-08	6.18E-09	2.33E-08
1307	609683	4170753	1.32E-07	5.87E-08	1.91E-07	2.19E-08	1.03E-08	3.22E-08	1.62E-08	5.86E-09	2.20E-08
1308	609676.2	4170769	1.22E-07	5.42E-08	1.76E-07	2.02E-08	9.45E-09	2.97E-08	1.49E-08	5.40E-09	2.03E-08
1309	609669.5	4170784	1.10E-07	4.89E-08	1.59E-07	1.82E-08	8.53E-09	2.68E-08	1.35E-08	4.87E-09	1.83E-08
1310	609658.2	4170795	1.05E-07	4.68E-08	1.52E-07	1.75E-08	8.18E-09	2.57E-08	1.29E-08	4.67E-09	1.76E-08
1311	609642.3	4170802	1.07E-07	4.74E-08	1.54E-07	1.77E-08	8.28E-09	2.60E-08	1.31E-08	4.73E-09	1.78E-08
1312	609626.5	4170808	1.05E-07	4.69E-08	1.52E-07	1.75E-08	8.19E-09	2.57E-08	1.29E-08	4.68E-09	1.76E-08
1313	609693.2	4170720	1.49E-07	6.65E-08	2.16E-07	2.48E-08	1.16E-08	3.64E-08	1.83E-08	6.63E-09	2.49E-08
1314	609693.4	4170710	1.56E-07	6.95E-08	2.26E-07	2.59E-08	1.21E-08	3.81E-08	1.92E-08	6.93E-09	2.61E-08
1315	609693.5	4170701	1.62E-07	7.20E-08	2.34E-07	2.69E-08	1.26E-08	3.94E-08	1.98E-08	7.18E-09	2.70E-08
1316	609693.7	4170691	1.66E-07	7.37E-08	2.39E-07	2.75E-08	1.29E-08	4.04E-08	2.03E-08	7.35E-09	2.77E-08
1317	609693.8	4170682	1.68E-07	7.46E-08	2.42E-07	2.78E-08	1.30E-08	4.09E-08	2.05E-08	7.44E-09	2.80E-08
1318	609693.9	4170673	1.68E-07	7.46E-08	2.42E-07	2.78E-08	1.30E-08	4.08E-08	2.05E-08	7.44E-09	2.80E-08
1319	609694.1	4170663	1.65E-07	7.36E-08	2.39E-07	2.75E-08	1.28E-08	4.03E-08	2.03E-08	7.34E-09	2.76E-08
1320	609694.2	4170654	1.61E-07	7.17E-08	2.33E-07	2.68E-08	1.25E-08	3.93E-08	1.97E-08	7.15E-09	2.69E-08
1321	609694.4	4170644	1.55E-07	6.89E-08	2.24E-07	2.57E-08	1.20E-08	3.78E-08	1.90E-08	6.87E-09	2.59E-08
1322	609694.5	4170635	1.47E-07	6.54E-08	2.12E-07	2.44E-08	1.14E-08	3.58E-08	1.80E-08	6.52E-09	2.45E-08
1323	609694.6	4170625	1.38E-07	6.13E-08	1.99E-07	2.29E-08	1.07E-08	3.36E-08	1.69E-08	6.12E-09	2.30E-08
1324	609699.8	4170737	1.25E-07	5.58E-08	1.81E-07	2.08E-08	9.74E-09	3.06E-08	1.54E-08	5.56E-09	2.09E-08
1325	609693.1	4170753	1.20E-07	5.34E-08	1.73E-07	1.99E-08	9.32E-09	2.92E-08	1.47E-08	5.32E-09	2.00E-08
1326	609686.4	4170768	1.12E-07	4.99E-08	1.62E-07	1.86E-08	8.70E-09	2.73E-08	1.37E-08	4.97E-09	1.87E-08
1327	609679.8	4170784	1.03E-07	4.57E-08	1.48E-07	1.70E-08	7.97E-09	2.50E-08	1.26E-08	4.55E-09	1.71E-08
1328	609665.3	4170802	9.38E-08	4.18E-08	1.36E-07	1.56E-08	7.29E-09	2.29E-08	1.15E-08	4.16E-09	1.57E-08
1329	609649.6	4170809	9.51E-08	4.23E-08	1.37E-07	1.58E-08	7.39E-09	2.32E-08	1.17E-08	4.22E-09	1.59E-08
1330	609634	4170815	9.45E-08	4.21E-08	1.37E-07	1.57E-08	7.34E-09	2.30E-08	1.16E-08	4.19E-09	1.58E-08
1331	609703.2	4170720	1.33E-07	5.93E-08	1.92E-07	2.21E-08	1.03E-08	3.25E-08	1.63E-08	5.91E-09	2.22E-08
1332	609703.4	4170710	1.39E-07	6.17E-08	2.00E-07	2.30E-08	1.08E-08	3.38E-08	1.70E-08	6.15E-09	2.32E-08
1333	609703.5	4170701	1.43E-07	6.37E-08	2.07E-07	2.38E-08	1.11E-08	3.49E-08	1.75E-08	6.35E-09	2.39E-08
1334	609703.7	4170692	1.46E-07	6.51E-08	2.11E-07	2.43E-08	1.14E-08	3.57E-08	1.79E-08	6.49E-09	2.44E-08
1335	609703.8	4170682	1.48E-07	6.59E-08	2.14E-07	2.46E-08	1.15E-08	3.61E-08	1.81E-08	6.57E-09	2.47E-08
1336	609703.9	4170673	1.48E-07	6.59E-08	2.14E-07	2.46E-08	1.15E-08	3.61E-08	1.82E-08	6.57E-09	2.47E-08
1337	609704.1	4170663	1.46E-07	6.52E-08	2.12E-07	2.43E-08	1.14E-08	3.57E-08	1.80E-08	6.50E-09	2.45E-08
1338	609704.2	4170654	1.43E-07	6.37E-08	2.07E-07	2.38E-08	1.11E-08	3.49E-08	1.76E-08	6.35E-09	2.39E-08
1339	609704.4	4170644	1.38E-07	6.15E-08	2.00E-07	2.30E-08	1.07E-08	3.37E-08	1.70E-08	6.14E-09	2.31E-08
1340	609704.5	4170635	1.32E-07	5.88E-08	1.91E-07	2.19E-08	1.03E-08	3.22E-08	1.62E-08	5.86E-09	2.20E-08

1341	609704.6	4170626	1.25E-07	5.55E-08	1.80E-07	2.07E-08	9.68E-09	3.04E-08	1.53E-08	5.53E-09	2.08E-08
1342	609709.4	4170738	1.13E-07	5.04E-08	1.64E-07	1.88E-08	8.79E-09	2.76E-08	1.39E-08	5.02E-09	1.89E-08
1343	609705.8	4170747	1.11E-07	4.95E-08	1.61E-07	1.85E-08	8.63E-09	2.71E-08	1.36E-08	4.93E-09	1.86E-08
1344	609702.1	4170755	1.08E-07	4.82E-08	1.57E-07	1.80E-08	8.42E-09	2.64E-08	1.33E-08	4.81E-09	1.81E-08
1345	609698.4	4170764	1.05E-07	4.67E-08	1.52E-07	1.74E-08	8.16E-09	2.56E-08	1.29E-08	4.66E-09	1.75E-08
1346	609694.8	4170772	1.01E-07	4.50E-08	1.46E-07	1.68E-08	7.86E-09	2.47E-08	1.24E-08	4.49E-09	1.69E-08
1347	609691.1	4170781	9.70E-08	4.32E-08	1.40E-07	1.61E-08	7.53E-09	2.36E-08	1.19E-08	4.30E-09	1.62E-08
1348	609687.4	4170789	9.25E-08	4.12E-08	1.34E-07	1.54E-08	7.19E-09	2.25E-08	1.13E-08	4.10E-09	1.54E-08
1349	609683.8	4170798	8.78E-08	3.91E-08	1.27E-07	1.46E-08	6.82E-09	2.14E-08	1.08E-08	3.90E-09	1.47E-08
1350	609671.5	4170810	8.43E-08	3.75E-08	1.22E-07	1.40E-08	6.55E-09	2.06E-08	1.03E-08	3.74E-09	1.41E-08
1351	609662.9	4170813	8.51E-08	3.79E-08	1.23E-07	1.41E-08	6.62E-09	2.08E-08	1.04E-08	3.78E-09	1.42E-08
1352	609654.3	4170817	8.55E-08	3.81E-08	1.24E-07	1.42E-08	6.64E-09	2.08E-08	1.05E-08	3.79E-09	1.43E-08
1353	609645.7	4170820	8.54E-08	3.80E-08	1.23E-07	1.42E-08	6.64E-09	2.08E-08	1.05E-08	3.79E-09	1.43E-08
1354	609637	4170824	8.48E-08	3.77E-08	1.23E-07	1.41E-08	6.59E-09	2.07E-08	1.04E-08	3.76E-09	1.42E-08
1355	609628.4	4170827	8.37E-08	3.73E-08	1.21E-07	1.39E-08	6.50E-09	2.04E-08	1.03E-08	3.72E-09	1.40E-08
1356	609619.8	4170831	8.21E-08	3.66E-08	1.19E-07	1.36E-08	6.38E-09	2.00E-08	1.01E-08	3.65E-09	1.37E-08
1357	609713.1	4170730	1.14E-07	5.09E-08	1.65E-07	1.90E-08	8.89E-09	2.79E-08	1.40E-08	5.08E-09	1.91E-08
1358	609713.2	4170720	1.20E-07	5.32E-08	1.73E-07	1.99E-08	9.29E-09	2.91E-08	1.47E-08	5.30E-09	2.00E-08
1359	609713.4	4170711	1.24E-07	5.52E-08	1.79E-07	2.06E-08	9.63E-09	3.02E-08	1.52E-08	5.50E-09	2.07E-08
1360	609713.5	4170701	1.28E-07	5.68E-08	1.85E-07	2.12E-08	9.92E-09	3.11E-08	1.57E-08	5.67E-09	2.13E-08
1361	609713.6	4170692	1.30E-07	5.80E-08	1.88E-07	2.17E-08	1.01E-08	3.18E-08	1.60E-08	5.79E-09	2.18E-08
1362	609713.8	4170682	1.32E-07	5.87E-08	1.90E-07	2.19E-08	1.02E-08	3.21E-08	1.62E-08	5.85E-09	2.20E-08
1363	609713.9	4170673	1.32E-07	5.87E-08	1.91E-07	2.19E-08	1.03E-08	3.22E-08	1.62E-08	5.86E-09	2.20E-08
1364	609714.1	4170663	1.31E-07	5.82E-08	1.89E-07	2.17E-08	1.02E-08	3.19E-08	1.60E-08	5.80E-09	2.18E-08
1365	609714.2	4170654	1.28E-07	5.70E-08	1.85E-07	2.13E-08	9.96E-09	3.12E-08	1.57E-08	5.69E-09	2.14E-08
1366	609714.4	4170645	1.24E-07	5.53E-08	1.80E-07	2.06E-08	9.66E-09	3.03E-08	1.52E-08	5.52E-09	2.08E-08
1367	609714.5	4170635	1.19E-07	5.31E-08	1.72E-07	1.98E-08	9.27E-09	2.91E-08	1.46E-08	5.29E-09	1.99E-08
1368	609714.6	4170626	1.13E-07	5.04E-08	1.64E-07	1.88E-08	8.80E-09	2.76E-08	1.39E-08	5.03E-09	1.89E-08
1369	609719.5	4170738	1.03E-07	4.58E-08	1.49E-07	1.71E-08	7.99E-09	2.51E-08	1.26E-08	4.56E-09	1.72E-08
1370	609715.9	4170746	1.01E-07	4.51E-08	1.46E-07	1.68E-08	7.87E-09	2.47E-08	1.24E-08	4.50E-09	1.69E-08
1371	609708.7	4170763	9.67E-08	4.30E-08	1.40E-07	1.61E-08	7.51E-09	2.36E-08	1.19E-08	4.29E-09	1.61E-08
1372	609705.1	4170772	9.37E-08	4.17E-08	1.35E-07	1.56E-08	7.28E-09	2.28E-08	1.15E-08	4.16E-09	1.56E-08
1373	609701.5	4170780	9.04E-08	4.02E-08	1.31E-07	1.50E-08	7.02E-09	2.20E-08	1.11E-08	4.01E-09	1.51E-08
1374	609697.9	4170788	8.67E-08	3.86E-08	1.25E-07	1.44E-08	6.74E-09	2.11E-08	1.06E-08	3.85E-09	1.45E-08
1375	609694.3	4170797	8.30E-08	3.69E-08	1.20E-07	1.38E-08	6.45E-09	2.02E-08	1.02E-08	3.68E-09	1.39E-08
1376	609690.7	4170805	7.90E-08	3.52E-08	1.14E-07	1.31E-08	6.14E-09	1.93E-08	9.69E-09	3.51E-09	1.32E-08
1377	609678.7	4170817	7.61E-08	3.39E-08	1.10E-07	1.26E-08	5.92E-09	1.86E-08	9.34E-09	3.38E-09	1.27E-08
1378	609670.2	4170820	7.69E-08	3.42E-08	1.11E-07	1.28E-08	5.97E-09	1.87E-08	9.42E-09	3.41E-09	1.28E-08
1379	609661.7	4170824	7.72E-08	3.44E-08	1.12E-07	1.28E-08	6.00E-09	1.88E-08	9.47E-09	3.43E-09	1.29E-08
1380	609653.3	4170827	7.73E-08	3.44E-08	1.12E-07	1.28E-08	6.00E-09	1.88E-08	9.47E-09	3.43E-09	1.29E-08
1381	609644.8	4170831	7.69E-08	3.42E-08	1.11E-07	1.28E-08	5.97E-09	1.87E-08	9.43E-09	3.41E-09	1.28E-08
1382	609636.4	4170834	7.61E-08	3.39E-08	1.10E-07	1.26E-08	5.92E-09	1.86E-08	9.33E-09	3.38E-09	1.27E-08
1383	609627.9	4170838	7.50E-08	3.34E-08	1.08E-07	1.25E-08	5.83E-09	1.83E-08	9.19E-09	3.33E-09	1.25E-08
1384	609619.5	4170841	7.35E-08	3.27E-08	1.06E-07	1.22E-08	5.71E-09	1.79E-08	9.01E-09	3.26E-09	1.23E-08
1385	609723.2	4170720	1.08E-07	4.80E-08	1.56E-07	1.79E-08	8.38E-09	2.63E-08	1.32E-08	4.79E-09	1.80E-08
1386	609723.4	4170711	1.12E-07	4.97E-08	1.61E-07	1.85E-08	8.67E-09	2.72E-08	1.37E-08	4.95E-09	1.86E-08
1387	609723.5	4170701	1.15E-07	5.10E-08	1.66E-07	1.91E-08	8.91E-09	2.80E-08	1.41E-08	5.09E-09	1.92E-08
1388	609723.6	4170692	1.17E-07	5.20E-08	1.69E-07	1.94E-08	9.09E-09	2.85E-08	1.43E-08	5.19E-09	1.95E-08
1389	609723.8	4170682	1.18E-07	5.26E-08	1.71E-07	1.96E-08	9.18E-09	2.88E-08	1.45E-08	5.25E-09	1.97E-08
1390	609723.9	4170673	1.18E-07	5.27E-08	1.71E-07	1.97E-08	9.20E-09	2.89E-08	1.45E-08	5.25E-09	1.98E-08
1391	609724.1	4170664	1.17E-07	5.23E-08	1.70E-07	1.95E-08	9.13E-09	2.86E-08	1.44E-08	5.21E-09	1.96E-08
1392	609724.2	4170654	1.15E-07	5.14E-08	1.67E-07	1.92E-08	8.97E-09	2.81E-08	1.42E-08	5.12E-09	1.93E-08
1393	609724.4	4170645	1.12E-07	5.00E-08	1.62E-07	1.87E-08	8.73E-09	2.74E-08	1.38E-08	4.99E-09	1.88E-08
1394	609724.5	4170635	1.08E-07	4.82E-08	1.56E-07	1.80E-08	8.41E-09	2.64E-08	1.33E-08	4.81E-09	1.81E-08
1395	609724.6	4170626	1.03E-07	4.60E-08	1.49E-07	1.72E-08	8.03E-09	2.52E-08	1.27E-08	4.59E-09	1.73E-08
1396	609729.5	4170738	9.38E-08	4.18E-08	1.36E-07	1.56E-08	7.29E-09	2.29E-08	1.15E-08	4.16E-09	1.57E-08

1397	609722.5	4170755	9.11E-08	4.06E-08	1.32E-07	1.51E-08	7.08E-09	2.22E-08	1.12E-08	4.05E-09	1.52E-08
1398	609715.4	4170771	8.68E-08	3.86E-08	1.25E-07	1.44E-08	6.74E-09	2.12E-08	1.06E-08	3.85E-09	1.45E-08
1399	609708.3	4170788	8.12E-08	3.61E-08	1.17E-07	1.35E-08	6.31E-09	1.98E-08	9.96E-09	3.61E-09	1.36E-08
1400	609701.2	4170804	7.49E-08	3.33E-08	1.08E-07	1.24E-08	5.82E-09	1.83E-08	9.18E-09	3.32E-09	1.25E-08
1401	609685.8	4170824	6.91E-08	3.08E-08	9.99E-08	1.15E-08	5.37E-09	1.68E-08	8.47E-09	3.07E-09	1.15E-08
1402	609677.5	4170827	6.98E-08	3.10E-08	1.01E-07	1.16E-08	5.42E-09	1.70E-08	8.55E-09	3.10E-09	1.16E-08
1403	609660.8	4170834	7.02E-08	3.13E-08	1.01E-07	1.17E-08	5.46E-09	1.71E-08	8.61E-09	3.12E-09	1.17E-08
1404	609644.1	4170841	6.95E-08	3.09E-08	1.00E-07	1.15E-08	5.40E-09	1.69E-08	8.52E-09	3.08E-09	1.16E-08
1405	609627.5	4170848	6.75E-08	3.00E-08	9.75E-08	1.12E-08	5.24E-09	1.65E-08	8.27E-09	3.00E-09	1.13E-08
1406	609733.2	4170720	9.79E-08	4.36E-08	1.42E-07	1.63E-08	7.61E-09	2.39E-08	1.20E-08	4.35E-09	1.64E-08
1407	609733.4	4170711	1.01E-07	4.50E-08	1.46E-07	1.68E-08	7.85E-09	2.46E-08	1.24E-08	4.49E-09	1.69E-08
1408	609733.5	4170701	1.04E-07	4.61E-08	1.50E-07	1.72E-08	8.05E-09	2.53E-08	1.27E-08	4.60E-09	1.73E-08
1409	609733.6	4170692	1.06E-07	4.70E-08	1.52E-07	1.75E-08	8.20E-09	2.57E-08	1.29E-08	4.68E-09	1.76E-08
1410	609733.8	4170683	1.07E-07	4.74E-08	1.54E-07	1.77E-08	8.28E-09	2.60E-08	1.31E-08	4.73E-09	1.78E-08
1411	609733.9	4170673	1.07E-07	4.75E-08	1.54E-07	1.77E-08	8.30E-09	2.60E-08	1.31E-08	4.74E-09	1.78E-08
1412	609734.1	4170664	1.06E-07	4.72E-08	1.53E-07	1.76E-08	8.25E-09	2.59E-08	1.30E-08	4.71E-09	1.77E-08
1413	609734.2	4170654	1.05E-07	4.65E-08	1.51E-07	1.74E-08	8.12E-09	2.55E-08	1.28E-08	4.64E-09	1.75E-08
1414	609734.4	4170645	1.02E-07	4.54E-08	1.47E-07	1.70E-08	7.93E-09	2.49E-08	1.25E-08	4.53E-09	1.70E-08
1415	609734.5	4170635	9.87E-08	4.39E-08	1.43E-07	1.64E-08	7.67E-09	2.41E-08	1.21E-08	4.38E-09	1.65E-08
1416	609734.6	4170626	9.47E-08	4.21E-08	1.37E-07	1.57E-08	7.36E-09	2.31E-08	1.16E-08	4.20E-09	1.58E-08
1417	609739.6	4170738	8.59E-08	3.82E-08	1.24E-07	1.43E-08	6.68E-09	2.10E-08	1.05E-08	3.81E-09	1.44E-08
1418	609732.6	4170754	8.39E-08	3.73E-08	1.21E-07	1.39E-08	6.52E-09	2.05E-08	1.03E-08	3.72E-09	1.40E-08
1419	609725.6	4170771	8.05E-08	3.58E-08	1.16E-07	1.34E-08	6.25E-09	1.96E-08	9.87E-09	3.57E-09	1.34E-08
1420	609718.6	4170787	7.60E-08	3.38E-08	1.10E-07	1.26E-08	5.90E-09	1.85E-08	9.32E-09	3.37E-09	1.27E-08
1421	609711.6	4170803	7.08E-08	3.15E-08	1.02E-07	1.18E-08	5.50E-09	1.73E-08	8.67E-09	3.14E-09	1.18E-08
1422	609704.6	4170820	6.51E-08	2.90E-08	9.41E-08	1.08E-08	5.06E-09	1.59E-08	7.98E-09	2.89E-09	1.09E-08
1423	609692.9	4170831	6.30E-08	2.81E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
1424	609676.5	4170838	6.40E-08	2.85E-08	9.25E-08	1.06E-08	4.97E-09	1.56E-08	7.85E-09	2.84E-09	1.07E-08
1425	609660	4170844	6.40E-08	2.85E-08	9.25E-08	1.06E-08	4.97E-09	1.56E-08	7.85E-09	2.84E-09	1.07E-08
1426	609643.6	4170851	6.30E-08	2.80E-08	9.10E-08	1.05E-08	4.89E-09	1.54E-08	7.72E-09	2.80E-09	1.05E-08
1427	609627.1	4170858	6.10E-08	2.71E-08	8.81E-08	1.01E-08	4.74E-09	1.49E-08	7.48E-09	2.71E-09	1.02E-08
1428	609743.2	4170721	8.93E-08	3.98E-08	1.29E-07	1.48E-08	6.94E-09	2.18E-08	1.10E-08	3.96E-09	1.49E-08
1429	609743.4	4170711	9.19E-08	4.09E-08	1.33E-07	1.53E-08	7.14E-09	2.24E-08	1.13E-08	4.08E-09	1.54E-08
1430	609743.5	4170702	9.41E-08	4.19E-08	1.36E-07	1.56E-08	7.31E-09	2.29E-08	1.15E-08	4.18E-09	1.57E-08
1431	609743.6	4170692	9.57E-08	4.26E-08	1.38E-07	1.59E-08	7.44E-09	2.33E-08	1.17E-08	4.25E-09	1.60E-08
1432	609743.8	4170683	9.67E-08	4.30E-08	1.40E-07	1.61E-08	7.51E-09	2.36E-08	1.19E-08	4.29E-09	1.61E-08
1433	609743.9	4170673	9.69E-08	4.31E-08	1.40E-07	1.61E-08	7.53E-09	2.36E-08	1.19E-08	4.30E-09	1.62E-08
1434	609744.1	4170664	9.64E-08	4.29E-08	1.39E-07	1.60E-08	7.49E-09	2.35E-08	1.18E-08	4.28E-09	1.61E-08
1435	609744.2	4170654	9.52E-08	4.24E-08	1.38E-07	1.58E-08	7.39E-09	2.32E-08	1.17E-08	4.22E-09	1.59E-08
1436	609744.4	4170645	9.31E-08	4.15E-08	1.35E-07	1.55E-08	7.24E-09	2.27E-08	1.14E-08	4.13E-09	1.56E-08
1437	609744.5	4170636	9.04E-08	4.02E-08	1.31E-07	1.50E-08	7.03E-09	2.20E-08	1.11E-08	4.01E-09	1.51E-08
1438	609744.6	4170626	8.71E-08	3.88E-08	1.26E-07	1.45E-08	6.77E-09	2.12E-08	1.07E-08	3.86E-09	1.45E-08
1439	609749.6	4170738	7.90E-08	3.51E-08	1.14E-07	1.31E-08	6.14E-09	1.93E-08	9.68E-09	3.50E-09	1.32E-08
1440	609742.7	4170754	7.74E-08	3.45E-08	1.12E-07	1.29E-08	6.02E-09	1.89E-08	9.49E-09	3.44E-09	1.29E-08
1441	609735.8	4170770	7.47E-08	3.33E-08	1.08E-07	1.24E-08	5.81E-09	1.82E-08	9.16E-09	3.32E-09	1.25E-08
1442	609728.9	4170787	7.11E-08	3.16E-08	1.03E-07	1.18E-08	5.52E-09	1.73E-08	8.72E-09	3.16E-09	1.19E-08
1443	609722	4170803	6.67E-08	2.97E-08	9.64E-08	1.11E-08	5.19E-09	1.63E-08	8.18E-09	2.96E-09	1.11E-08
1444	609715	4170819	6.20E-08	2.76E-08	8.96E-08	1.03E-08	4.82E-09	1.51E-08	7.60E-09	2.75E-09	1.04E-08
1445	609700	4170838	5.77E-08	2.57E-08	8.34E-08	9.59E-09	4.49E-09	1.41E-08	7.08E-09	2.56E-09	9.64E-09
1446	609683.7	4170845	5.86E-08	2.61E-08	8.47E-08	9.74E-09	4.55E-09	1.43E-08	7.19E-09	2.60E-09	9.79E-09
1447	609667.5	4170851	5.87E-08	2.61E-08	8.48E-08	9.75E-09	4.56E-09	1.43E-08	7.20E-09	2.61E-09	9.80E-09
1448	609651.2	4170858	5.80E-08	2.58E-08	8.38E-08	9.63E-09	4.50E-09	1.41E-08	7.11E-09	2.57E-09	9.68E-09
1449	609634.9	4170865	5.64E-08	2.51E-08	8.15E-08	9.37E-09	4.38E-09	1.38E-08	6.92E-09	2.50E-09	9.42E-09
1450	609618.7	4170871	5.41E-08	2.41E-08	7.82E-08	8.99E-09	4.20E-09	1.32E-08	6.63E-09	2.40E-09	9.03E-09
1451	609753.2	4170721	8.18E-08	3.64E-08	1.18E-07	1.36E-08	6.35E-09	1.99E-08	1.00E-08	3.63E-09	1.37E-08
1452	609753.4	4170711	8.40E-08	3.74E-08	1.21E-07	1.40E-08	6.53E-09	2.05E-08	1.03E-08	3.73E-09	1.40E-08

1453	609753.5	4170702	8.59E-08	3.82E-08	1.24E-07	1.43E-08	6.67E-09	2.09E-08	1.05E-08	3.81E-09	1.43E-08
1454	609753.6	4170692	8.73E-08	3.88E-08	1.26E-07	1.45E-08	6.78E-09	2.13E-08	1.07E-08	3.87E-09	1.46E-08
1455	609753.8	4170683	8.81E-08	3.92E-08	1.27E-07	1.46E-08	6.85E-09	2.15E-08	1.08E-08	3.91E-09	1.47E-08
1456	609753.9	4170673	8.84E-08	3.93E-08	1.28E-07	1.47E-08	6.87E-09	2.16E-08	1.08E-08	3.92E-09	1.48E-08
1457	609754.1	4170664	8.80E-08	3.92E-08	1.27E-07	1.46E-08	6.84E-09	2.15E-08	1.08E-08	3.91E-09	1.47E-08
1458	609754.2	4170655	8.70E-08	3.87E-08	1.26E-07	1.45E-08	6.76E-09	2.12E-08	1.07E-08	3.86E-09	1.45E-08
1459	609754.4	4170645	8.54E-08	3.80E-08	1.23E-07	1.42E-08	6.63E-09	2.08E-08	1.05E-08	3.79E-09	1.43E-08
1460	609754.5	4170636	8.31E-08	3.70E-08	1.20E-07	1.38E-08	6.46E-09	2.03E-08	1.02E-08	3.69E-09	1.39E-08
1461	609754.6	4170626	8.03E-08	3.57E-08	1.16E-07	1.33E-08	6.24E-09	1.96E-08	9.85E-09	3.56E-09	1.34E-08
1462	609759.4	4170739	7.27E-08	3.24E-08	1.05E-07	1.21E-08	5.65E-09	1.77E-08	8.92E-09	3.23E-09	1.21E-08
1463	609755.7	4170747	7.23E-08	3.22E-08	1.04E-07	1.20E-08	5.61E-09	1.76E-08	8.86E-09	3.21E-09	1.21E-08
1464	609752	4170756	7.14E-08	3.18E-08	1.03E-07	1.19E-08	5.55E-09	1.74E-08	8.76E-09	3.17E-09	1.19E-08
1465	609748.3	4170765	7.03E-08	3.13E-08	1.02E-07	1.17E-08	5.47E-09	1.72E-08	8.63E-09	3.12E-09	1.17E-08
1466	609744.6	4170773	6.90E-08	3.07E-08	9.97E-08	1.15E-08	5.36E-09	1.68E-08	8.46E-09	3.06E-09	1.15E-08
1467	609740.9	4170782	6.74E-08	3.00E-08	9.74E-08	1.12E-08	5.24E-09	1.64E-08	8.26E-09	2.99E-09	1.13E-08
1468	609737.3	4170790	6.56E-08	2.92E-08	9.48E-08	1.09E-08	5.10E-09	1.60E-08	8.04E-09	2.91E-09	1.10E-08
1469	609733.6	4170799	6.37E-08	2.83E-08	9.20E-08	1.06E-08	4.95E-09	1.55E-08	7.80E-09	2.83E-09	1.06E-08
1470	609729.9	4170808	6.16E-08	2.74E-08	8.90E-08	1.02E-08	4.78E-09	1.50E-08	7.55E-09	2.73E-09	1.03E-08
1471	609726.2	4170816	5.94E-08	2.64E-08	8.58E-08	9.86E-09	4.61E-09	1.45E-08	7.28E-09	2.64E-09	9.91E-09
1472	609722.5	4170825	5.71E-08	2.54E-08	8.25E-08	9.49E-09	4.44E-09	1.39E-08	7.00E-09	2.53E-09	9.54E-09
1473	609718.8	4170833	5.48E-08	2.44E-08	7.92E-08	9.10E-09	4.26E-09	1.34E-08	6.72E-09	2.43E-09	9.15E-09
1474	609706.4	4170846	5.31E-08	2.36E-08	7.68E-08	8.83E-09	4.13E-09	1.30E-08	6.51E-09	2.36E-09	8.87E-09
1475	609697.8	4170849	5.36E-08	2.39E-08	7.75E-08	8.91E-09	4.17E-09	1.31E-08	6.57E-09	2.38E-09	8.95E-09
1476	609689.1	4170853	5.39E-08	2.40E-08	7.79E-08	8.96E-09	4.19E-09	1.31E-08	6.61E-09	2.39E-09	9.01E-09
1477	609680.4	4170856	5.41E-08	2.41E-08	7.81E-08	8.98E-09	4.20E-09	1.32E-08	6.63E-09	2.40E-09	9.03E-09
1478	609671.8	4170860	5.40E-08	2.40E-08	7.80E-08	8.97E-09	4.20E-09	1.32E-08	6.62E-09	2.40E-09	9.02E-09
1479	609663.1	4170863	5.37E-08	2.39E-08	7.76E-08	8.92E-09	4.17E-09	1.31E-08	6.59E-09	2.38E-09	8.97E-09
1480	609654.4	4170867	5.32E-08	2.37E-08	7.69E-08	8.84E-09	4.14E-09	1.30E-08	6.53E-09	2.36E-09	8.89E-09
1481	609645.7	4170870	5.26E-08	2.34E-08	7.60E-08	8.73E-09	4.08E-09	1.28E-08	6.45E-09	2.33E-09	8.78E-09
1482	609637.1	4170874	5.17E-08	2.30E-08	7.47E-08	8.59E-09	4.02E-09	1.26E-08	6.34E-09	2.29E-09	8.63E-09
1483	609628.4	4170877	5.06E-08	2.25E-08	7.32E-08	8.41E-09	3.94E-09	1.23E-08	6.21E-09	2.25E-09	8.46E-09
1484	609619.7	4170881	4.94E-08	2.20E-08	7.14E-08	8.21E-09	3.84E-09	1.21E-08	6.06E-09	2.19E-09	8.25E-09
1485	609763.1	4170730	7.29E-08	3.25E-08	1.05E-07	1.21E-08	5.67E-09	1.78E-08	8.94E-09	3.24E-09	1.22E-08
1486	609763.2	4170721	7.52E-08	3.34E-08	1.09E-07	1.25E-08	5.84E-09	1.83E-08	9.21E-09	3.34E-09	1.25E-08
1487	609763.4	4170711	7.71E-08	3.43E-08	1.11E-07	1.28E-08	5.99E-09	1.88E-08	9.45E-09	3.42E-09	1.29E-08
1488	609763.5	4170702	7.87E-08	3.50E-08	1.14E-07	1.31E-08	6.12E-09	1.92E-08	9.65E-09	3.49E-09	1.31E-08
1489	609763.6	4170692	7.99E-08	3.56E-08	1.15E-07	1.33E-08	6.21E-09	1.95E-08	9.80E-09	3.55E-09	1.33E-08
1490	609763.8	4170683	8.07E-08	3.59E-08	1.17E-07	1.34E-08	6.27E-09	1.97E-08	9.89E-09	3.58E-09	1.35E-08
1491	609763.9	4170674	8.09E-08	3.60E-08	1.17E-07	1.34E-08	6.29E-09	1.97E-08	9.92E-09	3.59E-09	1.35E-08
1492	609764.1	4170664	8.07E-08	3.59E-08	1.17E-07	1.34E-08	6.27E-09	1.97E-08	9.89E-09	3.58E-09	1.35E-08
1493	609764.2	4170655	7.99E-08	3.55E-08	1.15E-07	1.33E-08	6.21E-09	1.95E-08	9.79E-09	3.54E-09	1.33E-08
1494	609764.4	4170645	7.85E-08	3.49E-08	1.13E-07	1.30E-08	6.10E-09	1.91E-08	9.63E-09	3.48E-09	1.31E-08
1495	609764.5	4170636	7.66E-08	3.41E-08	1.11E-07	1.27E-08	5.96E-09	1.87E-08	9.40E-09	3.40E-09	1.28E-08
1496	609764.6	4170626	7.42E-08	3.30E-08	1.07E-07	1.23E-08	5.77E-09	1.81E-08	9.10E-09	3.29E-09	1.24E-08
1497	609769.4	4170739	6.73E-08	2.99E-08	9.72E-08	1.12E-08	5.23E-09	1.64E-08	8.25E-09	2.99E-09	1.12E-08
1498	609765.8	4170747	6.69E-08	2.98E-08	9.67E-08	1.11E-08	5.20E-09	1.63E-08	8.20E-09	2.97E-09	1.12E-08
1499	609762.2	4170756	6.63E-08	2.95E-08	9.58E-08	1.10E-08	5.15E-09	1.62E-08	8.13E-09	2.94E-09	1.11E-08
1500	609758.5	4170764	6.55E-08	2.91E-08	9.46E-08	1.09E-08	5.09E-09	1.60E-08	8.02E-09	2.91E-09	1.09E-08
1501	609754.9	4170773	6.44E-08	2.86E-08	9.30E-08	1.07E-08	5.00E-09	1.57E-08	7.89E-09	2.86E-09	1.07E-08
1502	609751.2	4170781	6.31E-08	2.81E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
1503	609747.6	4170790	6.16E-08	2.74E-08	8.90E-08	1.02E-08	4.79E-09	1.50E-08	7.55E-09	2.73E-09	1.03E-08
1504	609744	4170798	6.00E-08	2.67E-08	8.67E-08	9.96E-09	4.66E-09	1.46E-08	7.35E-09	2.66E-09	1.00E-08
1505	609740.3	4170807	5.82E-08	2.59E-08	8.42E-08	9.67E-09	4.53E-09	1.42E-08	7.14E-09	2.59E-09	9.73E-09
1506	609736.7	4170815	5.64E-08	2.51E-08	8.15E-08	9.37E-09	4.38E-09	1.37E-08	6.91E-09	2.50E-09	9.42E-09
1507	609733	4170824	5.45E-08	2.42E-08	7.87E-08	9.05E-09	4.23E-09	1.33E-08	6.68E-09	2.42E-09	9.09E-09
1508	609729.4	4170832	5.25E-08	2.34E-08	7.58E-08	8.72E-09	4.08E-09	1.28E-08	6.44E-09	2.33E-09	8.76E-09

1509	609725.8	4170841	5.05E-08	2.25E-08	7.29E-08	8.38E-09	3.92E-09	1.23E-08	6.19E-09	2.24E-09	8.43E-09
1510	609713.6	4170853	4.90E-08	2.18E-08	7.08E-08	8.14E-09	3.81E-09	1.20E-08	6.01E-09	2.18E-09	8.19E-09
1511	609705	4170856	4.95E-08	2.20E-08	7.15E-08	8.22E-09	3.84E-09	1.21E-08	6.06E-09	2.20E-09	8.26E-09
1512	609696.5	4170860	4.98E-08	2.21E-08	7.19E-08	8.26E-09	3.87E-09	1.21E-08	6.10E-09	2.21E-09	8.31E-09
1513	609687.9	4170863	4.99E-08	2.22E-08	7.21E-08	8.29E-09	3.88E-09	1.22E-08	6.12E-09	2.21E-09	8.33E-09
1514	609679.3	4170867	4.99E-08	2.22E-08	7.21E-08	8.29E-09	3.88E-09	1.22E-08	6.12E-09	2.21E-09	8.33E-09
1515	609670.8	4170870	4.97E-08	2.21E-08	7.18E-08	8.25E-09	3.86E-09	1.21E-08	6.09E-09	2.21E-09	8.30E-09
1516	609662.2	4170874	4.93E-08	2.20E-08	7.13E-08	8.19E-09	3.83E-09	1.20E-08	6.05E-09	2.19E-09	8.24E-09
1517	609653.7	4170877	4.88E-08	2.17E-08	7.05E-08	8.11E-09	3.79E-09	1.19E-08	5.98E-09	2.17E-09	8.15E-09
1518	609645.1	4170880	4.81E-08	2.14E-08	6.95E-08	7.99E-09	3.74E-09	1.17E-08	5.90E-09	2.14E-09	8.03E-09
1519	609636.6	4170884	4.73E-08	2.10E-08	6.83E-08	7.85E-09	3.67E-09	1.15E-08	5.79E-09	2.10E-09	7.89E-09
1520	609628	4170887	4.63E-08	2.06E-08	6.68E-08	7.68E-09	3.59E-09	1.13E-08	5.67E-09	2.05E-09	7.73E-09
1521	609619.4	4170891	4.51E-08	2.01E-08	6.52E-08	7.50E-09	3.51E-09	1.10E-08	5.53E-09	2.00E-09	7.54E-09
1522	609773.1	4170730	6.74E-08	3.00E-08	9.74E-08	1.12E-08	5.24E-09	1.64E-08	8.26E-09	2.99E-09	1.13E-08
1523	609773.2	4170721	6.93E-08	3.09E-08	1.00E-07	1.15E-08	5.39E-09	1.69E-08	8.50E-09	3.08E-09	1.16E-08
1524	609773.4	4170712	7.10E-08	3.16E-08	1.03E-07	1.18E-08	5.52E-09	1.73E-08	8.71E-09	3.15E-09	1.19E-08
1525	609773.5	4170702	7.24E-08	3.22E-08	1.05E-07	1.20E-08	5.63E-09	1.77E-08	8.88E-09	3.21E-09	1.21E-08
1526	609773.6	4170693	7.35E-08	3.27E-08	1.06E-07	1.22E-08	5.71E-09	1.79E-08	9.01E-09	3.26E-09	1.23E-08
1527	609773.8	4170683	7.41E-08	3.30E-08	1.07E-07	1.23E-08	5.76E-09	1.81E-08	9.09E-09	3.29E-09	1.24E-08
1528	609773.9	4170674	7.44E-08	3.31E-08	1.08E-07	1.24E-08	5.78E-09	1.81E-08	9.12E-09	3.30E-09	1.24E-08
1529	609774.1	4170664	7.42E-08	3.30E-08	1.07E-07	1.23E-08	5.77E-09	1.81E-08	9.10E-09	3.29E-09	1.24E-08
1530	609774.2	4170655	7.36E-08	3.27E-08	1.06E-07	1.22E-08	5.72E-09	1.79E-08	9.02E-09	3.27E-09	1.23E-08
1531	609774.4	4170645	7.25E-08	3.23E-08	1.05E-07	1.20E-08	5.63E-09	1.77E-08	8.88E-09	3.22E-09	1.21E-08
1532	609774.5	4170636	7.09E-08	3.15E-08	1.02E-07	1.18E-08	5.51E-09	1.73E-08	8.69E-09	3.15E-09	1.18E-08
1533	609774.6	4170627	6.88E-08	3.06E-08	9.94E-08	1.14E-08	5.34E-09	1.68E-08	8.43E-09	3.05E-09	1.15E-08
1534	609779.5	4170739	6.24E-08	2.78E-08	9.02E-08	1.04E-08	4.85E-09	1.52E-08	7.65E-09	2.77E-09	1.04E-08
1535	609775.9	4170747	6.21E-08	2.76E-08	8.98E-08	1.03E-08	4.83E-09	1.51E-08	7.62E-09	2.76E-09	1.04E-08
1536	609772.3	4170756	6.17E-08	2.74E-08	8.91E-08	1.02E-08	4.79E-09	1.50E-08	7.56E-09	2.74E-09	1.03E-08
1537	609765.1	4170772	6.01E-08	2.68E-08	8.69E-08	9.99E-09	4.67E-09	1.47E-08	7.37E-09	2.67E-09	1.00E-08
1538	609761.5	4170781	5.91E-08	2.63E-08	8.54E-08	9.81E-09	4.59E-09	1.44E-08	7.24E-09	2.62E-09	9.86E-09
1539	609757.9	4170789	5.79E-08	2.58E-08	8.36E-08	9.61E-09	4.50E-09	1.41E-08	7.09E-09	2.57E-09	9.66E-09
1540	609754.3	4170798	5.65E-08	2.52E-08	8.17E-08	9.39E-09	4.39E-09	1.38E-08	6.93E-09	2.51E-09	9.44E-09
1541	609750.7	4170806	5.51E-08	2.45E-08	7.96E-08	9.15E-09	4.28E-09	1.34E-08	6.75E-09	2.44E-09	9.19E-09
1542	609747.1	4170814	5.35E-08	2.38E-08	7.73E-08	8.89E-09	4.16E-09	1.30E-08	6.56E-09	2.37E-09	8.93E-09
1543	609743.5	4170823	5.19E-08	2.31E-08	7.49E-08	8.61E-09	4.03E-09	1.26E-08	6.36E-09	2.30E-09	8.66E-09
1544	609739.9	4170831	5.02E-08	2.23E-08	7.25E-08	8.33E-09	3.90E-09	1.22E-08	6.15E-09	2.23E-09	8.38E-09
1545	609736.3	4170840	4.84E-08	2.15E-08	7.00E-08	8.04E-09	3.76E-09	1.18E-08	5.94E-09	2.15E-09	8.09E-09
1546	609732.7	4170848	4.66E-08	2.08E-08	6.74E-08	7.75E-09	3.62E-09	1.14E-08	5.72E-09	2.07E-09	7.79E-09
1547	609720.7	4170860	4.54E-08	2.02E-08	6.56E-08	7.54E-09	3.53E-09	1.11E-08	5.56E-09	2.01E-09	7.58E-09
1548	609712.2	4170863	4.58E-08	2.04E-08	6.61E-08	7.60E-09	3.56E-09	1.12E-08	5.61E-09	2.03E-09	7.64E-09
1549	609703.8	4170867	4.60E-08	2.05E-08	6.65E-08	7.65E-09	3.58E-09	1.12E-08	5.65E-09	2.04E-09	7.69E-09
1550	609695.3	4170870	4.62E-08	2.06E-08	6.67E-08	7.67E-09	3.59E-09	1.13E-08	5.66E-09	2.05E-09	7.71E-09
1551	609686.8	4170874	4.62E-08	2.06E-08	6.68E-08	7.67E-09	3.59E-09	1.13E-08	5.66E-09	2.05E-09	7.72E-09
1552	609678.4	4170877	4.61E-08	2.05E-08	6.66E-08	7.65E-09	3.58E-09	1.12E-08	5.65E-09	2.05E-09	7.69E-09
1553	609669.9	4170880	4.58E-08	2.04E-08	6.62E-08	7.61E-09	3.56E-09	1.12E-08	5.62E-09	2.03E-09	7.65E-09
1554	609661.5	4170884	4.54E-08	2.02E-08	6.56E-08	7.54E-09	3.53E-09	1.11E-08	5.57E-09	2.02E-09	7.58E-09
1555	609653	4170887	4.48E-08	2.00E-08	6.48E-08	7.45E-09	3.48E-09	1.09E-08	5.50E-09	1.99E-09	7.49E-09
1556	609644.6	4170891	4.42E-08	1.97E-08	6.38E-08	7.33E-09	3.43E-09	1.08E-08	5.41E-09	1.96E-09	7.37E-09
1557	609636.1	4170894	4.33E-08	1.93E-08	6.26E-08	7.20E-09	3.37E-09	1.06E-08	5.31E-09	1.92E-09	7.24E-09
1558	609627.6	4170898	4.24E-08	1.89E-08	6.13E-08	7.04E-09	3.29E-09	1.03E-08	5.20E-09	1.88E-09	7.08E-09
1559	609619.2	4170901	4.13E-08	1.84E-08	5.97E-08	6.87E-09	3.21E-09	1.01E-08	5.07E-09	1.83E-09	6.90E-09
1560	609783.1	4170731	6.25E-08	2.78E-08	9.03E-08	1.04E-08	4.85E-09	1.52E-08	7.66E-09	2.77E-09	1.04E-08
1561	609783.2	4170721	6.42E-08	2.86E-08	9.27E-08	1.07E-08	4.99E-09	1.56E-08	7.87E-09	2.85E-09	1.07E-08
1562	609783.4	4170712	6.56E-08	2.92E-08	9.48E-08	1.09E-08	5.10E-09	1.60E-08	8.05E-09	2.91E-09	1.10E-08
1563	609783.5	4170702	6.68E-08	2.98E-08	9.66E-08	1.11E-08	5.19E-09	1.63E-08	8.20E-09	2.97E-09	1.12E-08
1564	609783.6	4170693	6.78E-08	3.02E-08	9.79E-08	1.13E-08	5.27E-09	1.65E-08	8.31E-09	3.01E-09	1.13E-08

1565	609783.8	4170683	6.84E-08	3.04E-08	9.88E-08	1.14E-08	5.31E-09	1.67E-08	8.39E-09	3.04E-09	1.14E-08
1566	609783.9	4170674	6.86E-08	3.06E-08	9.92E-08	1.14E-08	5.33E-09	1.67E-08	8.42E-09	3.05E-09	1.15E-08
1567	609784.1	4170664	6.85E-08	3.05E-08	9.90E-08	1.14E-08	5.32E-09	1.67E-08	8.40E-09	3.04E-09	1.14E-08
1568	609784.2	4170655	6.80E-08	3.03E-08	9.83E-08	1.13E-08	5.28E-09	1.66E-08	8.34E-09	3.02E-09	1.14E-08
1569	609784.4	4170646	6.71E-08	2.99E-08	9.69E-08	1.11E-08	5.21E-09	1.64E-08	8.23E-09	2.98E-09	1.12E-08
1570	609784.5	4170636	6.58E-08	2.93E-08	9.50E-08	1.09E-08	5.11E-09	1.60E-08	8.06E-09	2.92E-09	1.10E-08
1571	609784.6	4170627	6.40E-08	2.85E-08	9.24E-08	1.06E-08	4.97E-09	1.56E-08	7.84E-09	2.84E-09	1.07E-08
1572	609789.5	4170739	5.81E-08	2.58E-08	8.39E-08	9.64E-09	4.51E-09	1.42E-08	7.12E-09	2.58E-09	9.69E-09
1573	609782.4	4170756	5.75E-08	2.56E-08	8.31E-08	9.55E-09	4.47E-09	1.40E-08	7.05E-09	2.55E-09	9.60E-09
1574	609778.8	4170764	5.70E-08	2.53E-08	8.23E-08	9.46E-09	4.43E-09	1.39E-08	6.98E-09	2.53E-09	9.51E-09
1575	609771.7	4170781	5.54E-08	2.47E-08	8.01E-08	9.20E-09	4.30E-09	1.35E-08	6.79E-09	2.46E-09	9.25E-09
1576	609764.6	4170797	5.33E-08	2.37E-08	7.70E-08	8.85E-09	4.14E-09	1.30E-08	6.53E-09	2.36E-09	8.90E-09
1577	609761	4170805	5.20E-08	2.32E-08	7.52E-08	8.65E-09	4.04E-09	1.27E-08	6.38E-09	2.31E-09	8.69E-09
1578	609753.9	4170822	4.93E-08	2.20E-08	7.13E-08	8.19E-09	3.83E-09	1.20E-08	6.05E-09	2.19E-09	8.24E-09
1579	609746.8	4170839	4.64E-08	2.06E-08	6.70E-08	7.70E-09	3.60E-09	1.13E-08	5.68E-09	2.06E-09	7.74E-09
1580	609743.2	4170847	4.48E-08	1.99E-08	6.47E-08	7.44E-09	3.48E-09	1.09E-08	5.49E-09	1.99E-09	7.48E-09
1581	609727.8	4170867	4.21E-08	1.87E-08	6.09E-08	7.00E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
1582	609711	4170874	4.27E-08	1.90E-08	6.18E-08	7.10E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.14E-09
1583	609694.3	4170880	4.29E-08	1.91E-08	6.20E-08	7.13E-09	3.33E-09	1.05E-08	5.26E-09	1.91E-09	7.17E-09
1584	609685.9	4170884	4.28E-08	1.91E-08	6.19E-08	7.12E-09	3.33E-09	1.04E-08	5.25E-09	1.90E-09	7.15E-09
1585	609669.2	4170891	4.23E-08	1.88E-08	6.11E-08	7.03E-09	3.29E-09	1.03E-08	5.19E-09	1.88E-09	7.07E-09
1586	609652.4	4170897	4.13E-08	1.84E-08	5.97E-08	6.86E-09	3.21E-09	1.01E-08	5.06E-09	1.83E-09	6.90E-09
1587	609635.7	4170904	3.98E-08	1.77E-08	5.76E-08	6.62E-09	3.10E-09	9.71E-09	4.88E-09	1.77E-09	6.65E-09
1588	609627.3	4170908	3.90E-08	1.73E-08	5.63E-08	6.47E-09	3.03E-09	9.50E-09	4.78E-09	1.73E-09	6.50E-09
1589	609793.2	4170721	5.96E-08	2.65E-08	8.61E-08	9.89E-09	4.63E-09	1.45E-08	7.30E-09	2.64E-09	9.94E-09
1590	609793.4	4170712	6.08E-08	2.71E-08	8.79E-08	1.01E-08	4.73E-09	1.48E-08	7.46E-09	2.70E-09	1.02E-08
1591	609793.5	4170702	6.19E-08	2.76E-08	8.95E-08	1.03E-08	4.81E-09	1.51E-08	7.59E-09	2.75E-09	1.03E-08
1592	609793.6	4170693	6.27E-08	2.79E-08	9.07E-08	1.04E-08	4.88E-09	1.53E-08	7.69E-09	2.78E-09	1.05E-08
1593	609793.8	4170684	6.33E-08	2.82E-08	9.15E-08	1.05E-08	4.92E-09	1.54E-08	7.76E-09	2.81E-09	1.06E-08
1594	609793.9	4170674	6.35E-08	2.83E-08	9.18E-08	1.06E-08	4.94E-09	1.55E-08	7.79E-09	2.82E-09	1.06E-08
1595	609794.1	4170665	6.35E-08	2.82E-08	9.17E-08	1.05E-08	4.93E-09	1.55E-08	7.78E-09	2.82E-09	1.06E-08
1596	609794.2	4170655	6.31E-08	2.81E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
1597	609794.3	4170646	6.23E-08	2.77E-08	9.00E-08	1.03E-08	4.84E-09	1.52E-08	7.64E-09	2.77E-09	1.04E-08
1598	609794.5	4170636	6.12E-08	2.72E-08	8.84E-08	1.02E-08	4.75E-09	1.49E-08	7.50E-09	2.72E-09	1.02E-08
1599	609794.6	4170627	5.96E-08	2.65E-08	8.62E-08	9.91E-09	4.63E-09	1.45E-08	7.31E-09	2.65E-09	9.96E-09
1600	609799.5	4170739	5.41E-08	2.41E-08	7.82E-08	8.99E-09	4.21E-09	1.32E-08	6.64E-09	2.40E-09	9.04E-09
1601	609792.5	4170756	5.37E-08	2.39E-08	7.76E-08	8.92E-09	4.17E-09	1.31E-08	6.58E-09	2.38E-09	8.97E-09
1602	609785.4	4170772	5.27E-08	2.35E-08	7.62E-08	8.75E-09	4.09E-09	1.28E-08	6.46E-09	2.34E-09	8.80E-09
1603	609778.4	4170788	5.12E-08	2.28E-08	7.40E-08	8.50E-09	3.98E-09	1.25E-08	6.28E-09	2.27E-09	8.55E-09
1604	609771.3	4170805	4.92E-08	2.19E-08	7.11E-08	8.17E-09	3.82E-09	1.20E-08	6.03E-09	2.18E-09	8.22E-09
1605	609764.3	4170821	4.69E-08	2.09E-08	6.78E-08	7.79E-09	3.64E-09	1.14E-08	5.75E-09	2.08E-09	7.83E-09
1606	609757.2	4170838	4.43E-08	1.97E-08	6.40E-08	7.36E-09	3.44E-09	1.08E-08	5.43E-09	1.97E-09	7.40E-09
1607	609750.2	4170854	4.16E-08	1.85E-08	6.01E-08	6.91E-09	3.23E-09	1.01E-08	5.10E-09	1.85E-09	6.95E-09
1608	609734.8	4170874	3.92E-08	1.75E-08	5.67E-08	6.51E-09	3.05E-09	9.56E-09	4.81E-09	1.74E-09	6.55E-09
1609	609718.3	4170881	3.98E-08	1.77E-08	5.75E-08	6.61E-09	3.09E-09	9.70E-09	4.88E-09	1.77E-09	6.64E-09
1610	609701.7	4170887	4.00E-08	1.78E-08	5.78E-08	6.64E-09	3.11E-09	9.75E-09	4.90E-09	1.77E-09	6.68E-09
1611	609685.1	4170894	3.98E-08	1.77E-08	5.75E-08	6.61E-09	3.09E-09	9.70E-09	4.88E-09	1.77E-09	6.64E-09
1612	609668.5	4170901	3.92E-08	1.74E-08	5.66E-08	6.51E-09	3.04E-09	9.55E-09	4.80E-09	1.74E-09	6.54E-09
1613	609651.9	4170908	3.81E-08	1.70E-08	5.51E-08	6.34E-09	2.96E-09	9.30E-09	4.68E-09	1.69E-09	6.37E-09
1614	609635.3	4170914	3.67E-08	1.63E-08	5.31E-08	6.10E-09	2.85E-09	8.95E-09	4.50E-09	1.63E-09	6.13E-09
1615	609618.8	4170921	3.50E-08	1.56E-08	5.06E-08	5.81E-09	2.72E-09	8.53E-09	4.29E-09	1.55E-09	5.84E-09
1616	609803.2	4170721	5.54E-08	2.47E-08	8.01E-08	9.21E-09	4.31E-09	1.35E-08	6.80E-09	2.46E-09	9.26E-09
1617	609803.4	4170712	5.66E-08	2.52E-08	8.17E-08	9.40E-09	4.40E-09	1.38E-08	6.94E-09	2.51E-09	9.45E-09
1618	609803.5	4170703	5.75E-08	2.56E-08	8.31E-08	9.55E-09	4.47E-09	1.40E-08	7.05E-09	2.55E-09	9.61E-09
1619	609803.6	4170693	5.83E-08	2.59E-08	8.42E-08	9.68E-09	4.53E-09	1.42E-08	7.14E-09	2.59E-09	9.73E-09
1620	609803.8	4170684	5.88E-08	2.61E-08	8.49E-08	9.76E-09	4.57E-09	1.43E-08	7.20E-09	2.61E-09	9.81E-09

1621	609803.9	4170674	5.90E-08	2.63E-08	8.52E-08	9.80E-09	4.58E-09	1.44E-08	7.23E-09	2.62E-09	9.85E-09
1622	609804.1	4170665	5.90E-08	2.62E-08	8.52E-08	9.79E-09	4.58E-09	1.44E-08	7.23E-09	2.62E-09	9.85E-09
1623	609804.2	4170655	5.86E-08	2.61E-08	8.47E-08	9.74E-09	4.56E-09	1.43E-08	7.19E-09	2.60E-09	9.79E-09
1624	609804.3	4170646	5.80E-08	2.58E-08	8.38E-08	9.63E-09	4.51E-09	1.41E-08	7.11E-09	2.57E-09	9.69E-09
1625	609804.5	4170636	5.71E-08	2.54E-08	8.24E-08	9.48E-09	4.43E-09	1.39E-08	6.99E-09	2.53E-09	9.53E-09
1626	609804.6	4170627	5.57E-08	2.48E-08	8.05E-08	9.26E-09	4.33E-09	1.36E-08	6.83E-09	2.47E-09	9.31E-09
1627	609809.4	4170740	5.06E-08	2.25E-08	7.31E-08	8.41E-09	3.93E-09	1.23E-08	6.20E-09	2.25E-09	8.45E-09
1628	609805.7	4170748	5.05E-08	2.25E-08	7.30E-08	8.39E-09	3.92E-09	1.23E-08	6.19E-09	2.24E-09	8.43E-09
1629	609802	4170757	5.02E-08	2.23E-08	7.26E-08	8.34E-09	3.90E-09	1.22E-08	6.16E-09	2.23E-09	8.39E-09
1630	609798.3	4170766	4.98E-08	2.22E-08	7.20E-08	8.27E-09	3.87E-09	1.21E-08	6.11E-09	2.21E-09	8.32E-09
1631	609794.6	4170774	4.93E-08	2.19E-08	7.12E-08	8.19E-09	3.83E-09	1.20E-08	6.04E-09	2.19E-09	8.23E-09
1632	609790.9	4170783	4.87E-08	2.17E-08	7.03E-08	8.08E-09	3.78E-09	1.19E-08	5.97E-09	2.16E-09	8.13E-09
1633	609787.2	4170791	4.79E-08	2.13E-08	6.92E-08	7.96E-09	3.72E-09	1.17E-08	5.87E-09	2.13E-09	8.00E-09
1634	609783.5	4170800	4.70E-08	2.09E-08	6.79E-08	7.81E-09	3.65E-09	1.15E-08	5.76E-09	2.09E-09	7.85E-09
1635	609779.7	4170809	4.60E-08	2.05E-08	6.65E-08	7.65E-09	3.58E-09	1.12E-08	5.65E-09	2.04E-09	7.69E-09
1636	609776	4170817	4.50E-08	2.00E-08	6.50E-08	7.47E-09	3.50E-09	1.10E-08	5.52E-09	2.00E-09	7.51E-09
1637	609772.3	4170826	4.39E-08	1.95E-08	6.34E-08	7.29E-09	3.41E-09	1.07E-08	5.38E-09	1.95E-09	7.33E-09
1638	609768.6	4170835	4.27E-08	1.90E-08	6.17E-08	7.09E-09	3.32E-09	1.04E-08	5.23E-09	1.89E-09	7.13E-09
1639	609764.9	4170843	4.14E-08	1.84E-08	5.99E-08	6.89E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.92E-09
1640	609761.2	4170852	4.02E-08	1.79E-08	5.81E-08	6.67E-09	3.12E-09	9.80E-09	4.93E-09	1.78E-09	6.71E-09
1641	609757.5	4170861	3.89E-08	1.73E-08	5.62E-08	6.46E-09	3.02E-09	9.48E-09	4.77E-09	1.73E-09	6.49E-09
1642	609753.8	4170869	3.76E-08	1.67E-08	5.43E-08	6.24E-09	2.92E-09	9.16E-09	4.61E-09	1.67E-09	6.27E-09
1643	609741.4	4170881	3.66E-08	1.63E-08	5.29E-08	6.08E-09	2.85E-09	8.93E-09	4.49E-09	1.63E-09	6.12E-09
1644	609732.7	4170885	3.69E-08	1.64E-08	5.34E-08	6.13E-09	2.87E-09	9.00E-09	4.53E-09	1.64E-09	6.17E-09
1645	609724	4170888	3.71E-08	1.65E-08	5.37E-08	6.17E-09	2.89E-09	9.06E-09	4.55E-09	1.65E-09	6.20E-09
1646	609715.3	4170892	3.73E-08	1.66E-08	5.39E-08	6.19E-09	2.90E-09	9.09E-09	4.57E-09	1.65E-09	6.23E-09
1647	609706.6	4170895	3.73E-08	1.66E-08	5.39E-08	6.20E-09	2.90E-09	9.10E-09	4.58E-09	1.66E-09	6.23E-09
1648	609697.9	4170899	3.73E-08	1.66E-08	5.39E-08	6.19E-09	2.90E-09	9.09E-09	4.57E-09	1.65E-09	6.22E-09
1649	609689.2	4170903	3.71E-08	1.65E-08	5.36E-08	6.17E-09	2.88E-09	9.05E-09	4.55E-09	1.65E-09	6.20E-09
1650	609680.5	4170906	3.69E-08	1.64E-08	5.33E-08	6.12E-09	2.86E-09	8.99E-09	4.52E-09	1.64E-09	6.16E-09
1651	609671.8	4170910	3.65E-08	1.62E-08	5.28E-08	6.06E-09	2.84E-09	8.90E-09	4.48E-09	1.62E-09	6.10E-09
1652	609663.1	4170913	3.61E-08	1.60E-08	5.21E-08	5.99E-09	2.80E-09	8.79E-09	4.42E-09	1.60E-09	6.02E-09
1653	609654.4	4170917	3.55E-08	1.58E-08	5.13E-08	5.90E-09	2.76E-09	8.66E-09	4.35E-09	1.58E-09	5.93E-09
1654	609645.7	4170920	3.49E-08	1.55E-08	5.04E-08	5.79E-09	2.71E-09	8.50E-09	4.27E-09	1.55E-09	5.82E-09
1655	609637	4170924	3.41E-08	1.52E-08	4.93E-08	5.67E-09	2.65E-09	8.32E-09	4.18E-09	1.51E-09	5.70E-09
1656	609628.3	4170927	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.12E-09	4.08E-09	1.48E-09	5.56E-09
1657	609619.6	4170931	3.24E-08	1.44E-08	4.68E-08	5.39E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
1658	609813.1	4170731	5.06E-08	2.25E-08	7.31E-08	8.40E-09	3.93E-09	1.23E-08	6.20E-09	2.25E-09	8.45E-09
1659	609813.2	4170722	5.17E-08	2.30E-08	7.47E-08	8.59E-09	4.02E-09	1.26E-08	6.34E-09	2.30E-09	8.64E-09
1660	609813.4	4170712	5.27E-08	2.35E-08	7.62E-08	8.76E-09	4.10E-09	1.29E-08	6.47E-09	2.34E-09	8.81E-09
1661	609813.5	4170703	5.36E-08	2.38E-08	7.74E-08	8.90E-09	4.16E-09	1.31E-08	6.57E-09	2.38E-09	8.95E-09
1662	609813.6	4170693	5.42E-08	2.41E-08	7.84E-08	9.01E-09	4.21E-09	1.32E-08	6.65E-09	2.41E-09	9.06E-09
1663	609813.8	4170684	5.47E-08	2.43E-08	7.90E-08	9.09E-09	4.25E-09	1.33E-08	6.71E-09	2.43E-09	9.13E-09
1664	609813.9	4170674	5.49E-08	2.44E-08	7.94E-08	9.12E-09	4.27E-09	1.34E-08	6.73E-09	2.44E-09	9.17E-09
1665	609814.1	4170665	5.49E-08	2.44E-08	7.94E-08	9.12E-09	4.27E-09	1.34E-08	6.73E-09	2.44E-09	9.17E-09
1666	609814.2	4170655	5.47E-08	2.43E-08	7.90E-08	9.08E-09	4.25E-09	1.33E-08	6.70E-09	2.43E-09	9.13E-09
1667	609814.3	4170646	5.41E-08	2.41E-08	7.82E-08	8.99E-09	4.21E-09	1.32E-08	6.64E-09	2.40E-09	9.04E-09
1668	609814.5	4170637	5.33E-08	2.37E-08	7.71E-08	8.86E-09	4.14E-09	1.30E-08	6.54E-09	2.37E-09	8.91E-09
1669	609814.6	4170627	5.22E-08	2.32E-08	7.54E-08	8.67E-09	4.06E-09	1.27E-08	6.40E-09	2.32E-09	8.72E-09
1670	609819.4	4170740	4.74E-08	2.11E-08	6.85E-08	7.88E-09	3.68E-09	1.16E-08	5.81E-09	2.10E-09	7.92E-09
1671	609815.7	4170748	4.73E-08	2.11E-08	6.84E-08	7.86E-09	3.68E-09	1.15E-08	5.80E-09	2.10E-09	7.90E-09
1672	609812.1	4170757	4.71E-08	2.10E-08	6.81E-08	7.83E-09	3.66E-09	1.15E-08	5.78E-09	2.09E-09	7.87E-09
1673	609808.4	4170765	4.68E-08	2.08E-08	6.76E-08	7.77E-09	3.64E-09	1.14E-08	5.74E-09	2.08E-09	7.81E-09
1674	609804.8	4170774	4.64E-08	2.06E-08	6.70E-08	7.70E-09	3.60E-09	1.13E-08	5.68E-09	2.06E-09	7.74E-09
1675	609801.1	4170782	4.58E-08	2.04E-08	6.62E-08	7.61E-09	3.56E-09	1.12E-08	5.62E-09	2.03E-09	7.65E-09
1676	609797.4	4170791	4.52E-08	2.01E-08	6.53E-08	7.51E-09	3.51E-09	1.10E-08	5.54E-09	2.01E-09	7.55E-09

1677	609793.8	4170800	4.45E-08	1.98E-08	6.43E-08	7.39E-09	3.46E-09	1.08E-08	5.45E-09	1.97E-09	7.43E-09
1678	609790.1	4170808	4.37E-08	1.94E-08	6.31E-08	7.25E-09	3.39E-09	1.06E-08	5.35E-09	1.94E-09	7.29E-09
1679	609786.4	4170817	4.28E-08	1.90E-08	6.18E-08	7.10E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.14E-09
1680	609782.8	4170825	4.18E-08	1.86E-08	6.04E-08	6.94E-09	3.25E-09	1.02E-08	5.12E-09	1.85E-09	6.98E-09
1681	609779.1	4170834	4.08E-08	1.81E-08	5.89E-08	6.77E-09	3.17E-09	9.94E-09	5.00E-09	1.81E-09	6.81E-09
1682	609775.4	4170842	3.97E-08	1.77E-08	5.74E-08	6.59E-09	3.08E-09	9.68E-09	4.87E-09	1.76E-09	6.63E-09
1683	609771.8	4170851	3.86E-08	1.72E-08	5.58E-08	6.41E-09	3.00E-09	9.41E-09	4.73E-09	1.71E-09	6.44E-09
1684	609768.1	4170859	3.74E-08	1.67E-08	5.41E-08	6.22E-09	2.91E-09	9.13E-09	4.59E-09	1.66E-09	6.25E-09
1685	609764.5	4170868	3.63E-08	1.61E-08	5.24E-08	6.03E-09	2.82E-09	8.85E-09	4.45E-09	1.61E-09	6.06E-09
1686	609760.8	4170876	3.51E-08	1.56E-08	5.07E-08	5.83E-09	2.73E-09	8.56E-09	4.30E-09	1.56E-09	5.86E-09
1687	609748.5	4170888	3.43E-08	1.53E-08	4.95E-08	5.69E-09	2.66E-09	8.36E-09	4.20E-09	1.52E-09	5.72E-09
1688	609739.9	4170892	3.45E-08	1.54E-08	4.99E-08	5.74E-09	2.68E-09	8.42E-09	4.24E-09	1.53E-09	5.77E-09
1689	609731.3	4170895	3.47E-08	1.55E-08	5.02E-08	5.77E-09	2.70E-09	8.47E-09	4.26E-09	1.54E-09	5.80E-09
1690	609722.7	4170899	3.49E-08	1.55E-08	5.04E-08	5.79E-09	2.71E-09	8.50E-09	4.28E-09	1.55E-09	5.82E-09
1691	609714.1	4170902	3.49E-08	1.55E-08	5.05E-08	5.80E-09	2.71E-09	8.52E-09	4.28E-09	1.55E-09	5.83E-09
1692	609705.5	4170906	3.49E-08	1.55E-08	5.04E-08	5.80E-09	2.71E-09	8.51E-09	4.28E-09	1.55E-09	5.83E-09
1693	609696.8	4170909	3.48E-08	1.55E-08	5.03E-08	5.78E-09	2.70E-09	8.48E-09	4.26E-09	1.54E-09	5.81E-09
1694	609688.2	4170913	3.46E-08	1.54E-08	5.00E-08	5.74E-09	2.69E-09	8.43E-09	4.24E-09	1.54E-09	5.78E-09
1695	609679.6	4170916	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.66E-09	8.36E-09	4.21E-09	1.52E-09	5.73E-09
1696	609671	4170920	3.39E-08	1.51E-08	4.90E-08	5.64E-09	2.64E-09	8.27E-09	4.16E-09	1.51E-09	5.67E-09
1697	609662.4	4170923	3.35E-08	1.49E-08	4.84E-08	5.56E-09	2.60E-09	8.16E-09	4.10E-09	1.49E-09	5.59E-09
1698	609653.8	4170927	3.29E-08	1.47E-08	4.76E-08	5.47E-09	2.56E-09	8.03E-09	4.04E-09	1.46E-09	5.50E-09
1699	609645.2	4170930	3.23E-08	1.44E-08	4.67E-08	5.36E-09	2.51E-09	7.87E-09	3.96E-09	1.43E-09	5.39E-09
1700	609636.5	4170934	3.16E-08	1.41E-08	4.57E-08	5.25E-09	2.46E-09	7.70E-09	3.87E-09	1.40E-09	5.28E-09
1701	609627.9	4170937	3.08E-08	1.37E-08	4.46E-08	5.12E-09	2.40E-09	7.52E-09	3.78E-09	1.37E-09	5.15E-09
1702	609619.3	4170941	3.00E-08	1.34E-08	4.34E-08	4.99E-09	2.33E-09	7.32E-09	3.68E-09	1.33E-09	5.01E-09
1703	609823.1	4170731	4.74E-08	2.11E-08	6.84E-08	7.87E-09	3.68E-09	1.15E-08	5.81E-09	2.10E-09	7.91E-09
1704	609823.2	4170722	4.84E-08	2.15E-08	6.99E-08	8.04E-09	3.76E-09	1.18E-08	5.93E-09	2.15E-09	8.08E-09
1705	609823.4	4170712	4.93E-08	2.19E-08	7.12E-08	8.19E-09	3.83E-09	1.20E-08	6.04E-09	2.19E-09	8.23E-09
1706	609823.5	4170703	5.00E-08	2.23E-08	7.23E-08	8.31E-09	3.89E-09	1.22E-08	6.14E-09	2.22E-09	8.36E-09
1707	609823.6	4170693	5.06E-08	2.25E-08	7.32E-08	8.41E-09	3.93E-09	1.23E-08	6.21E-09	2.25E-09	8.46E-09
1708	609823.8	4170684	5.11E-08	2.27E-08	7.38E-08	8.48E-09	3.97E-09	1.24E-08	6.26E-09	2.27E-09	8.53E-09
1709	609823.9	4170675	5.13E-08	2.28E-08	7.41E-08	8.52E-09	3.98E-09	1.25E-08	6.29E-09	2.28E-09	8.56E-09
1710	609824.1	4170665	5.13E-08	2.28E-08	7.41E-08	8.52E-09	3.98E-09	1.25E-08	6.29E-09	2.28E-09	8.56E-09
1711	609824.2	4170656	5.11E-08	2.27E-08	7.38E-08	8.48E-09	3.97E-09	1.25E-08	6.26E-09	2.27E-09	8.53E-09
1712	609824.3	4170646	5.06E-08	2.25E-08	7.32E-08	8.41E-09	3.94E-09	1.23E-08	6.21E-09	2.25E-09	8.46E-09
1713	609824.5	4170637	5.00E-08	2.22E-08	7.22E-08	8.30E-09	3.88E-09	1.22E-08	6.13E-09	2.22E-09	8.34E-09
1714	609824.6	4170627	4.90E-08	2.18E-08	7.08E-08	8.14E-09	3.81E-09	1.19E-08	6.01E-09	2.17E-09	8.18E-09
1715	609829.4	4170740	4.45E-08	1.98E-08	6.43E-08	7.39E-09	3.46E-09	1.09E-08	5.46E-09	1.98E-09	7.43E-09
1716	609825.8	4170748	4.45E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.45E-09	1.97E-09	7.42E-09
1717	609822.2	4170757	4.43E-08	1.97E-08	6.40E-08	7.36E-09	3.44E-09	1.08E-08	5.43E-09	1.97E-09	7.40E-09
1718	609818.6	4170765	4.40E-08	1.96E-08	6.36E-08	7.32E-09	3.42E-09	1.07E-08	5.40E-09	1.95E-09	7.35E-09
1719	609814.9	4170774	4.37E-08	1.94E-08	6.31E-08	7.26E-09	3.39E-09	1.06E-08	5.36E-09	1.94E-09	7.29E-09
1720	609811.3	4170782	4.32E-08	1.92E-08	6.25E-08	7.18E-09	3.36E-09	1.05E-08	5.30E-09	1.92E-09	7.22E-09
1721	609807.7	4170791	4.27E-08	1.90E-08	6.17E-08	7.09E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.13E-09
1722	609804	4170799	4.21E-08	1.87E-08	6.08E-08	6.99E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
1723	609800.4	4170807	4.14E-08	1.84E-08	5.98E-08	6.88E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.91E-09
1724	609796.8	4170816	4.06E-08	1.81E-08	5.87E-08	6.75E-09	3.16E-09	9.91E-09	4.98E-09	1.80E-09	6.79E-09
1725	609793.2	4170824	3.98E-08	1.77E-08	5.75E-08	6.61E-09	3.09E-09	9.70E-09	4.88E-09	1.77E-09	6.65E-09
1726	609789.5	4170833	3.89E-08	1.73E-08	5.62E-08	6.46E-09	3.02E-09	9.49E-09	4.77E-09	1.73E-09	6.50E-09
1727	609785.9	4170841	3.80E-08	1.69E-08	5.49E-08	6.31E-09	2.95E-09	9.26E-09	4.66E-09	1.69E-09	6.34E-09
1728	609782.3	4170850	3.70E-08	1.65E-08	5.35E-08	6.15E-09	2.88E-09	9.03E-09	4.54E-09	1.64E-09	6.18E-09
1729	609778.6	4170858	3.60E-08	1.60E-08	5.20E-08	5.98E-09	2.80E-09	8.78E-09	4.42E-09	1.60E-09	6.01E-09
1730	609775	4170867	3.50E-08	1.56E-08	5.06E-08	5.81E-09	2.72E-09	8.53E-09	4.29E-09	1.55E-09	5.84E-09
1731	609771.4	4170875	3.39E-08	1.51E-08	4.91E-08	5.64E-09	2.64E-09	8.28E-09	4.16E-09	1.51E-09	5.67E-09
1732	609767.8	4170884	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.56E-09	8.02E-09	4.03E-09	1.46E-09	5.49E-09

1733	609755.6	4170896	3.21E-08	1.43E-08	4.64E-08	5.34E-09	2.50E-09	7.83E-09	3.94E-09	1.43E-09	5.37E-09
1734	609747.1	4170899	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
1735	609738.5	4170902	3.26E-08	1.45E-08	4.71E-08	5.41E-09	2.53E-09	7.94E-09	3.99E-09	1.45E-09	5.44E-09
1736	609730	4170906	3.27E-08	1.46E-08	4.73E-08	5.43E-09	2.54E-09	7.97E-09	4.01E-09	1.45E-09	5.46E-09
1737	609721.5	4170909	3.28E-08	1.46E-08	4.73E-08	5.44E-09	2.55E-09	7.99E-09	4.02E-09	1.45E-09	5.47E-09
1738	609712.9	4170913	3.27E-08	1.46E-08	4.73E-08	5.44E-09	2.54E-09	7.98E-09	4.01E-09	1.45E-09	5.47E-09
1739	609704.4	4170916	3.27E-08	1.45E-08	4.72E-08	5.43E-09	2.54E-09	7.96E-09	4.00E-09	1.45E-09	5.45E-09
1740	609695.9	4170920	3.25E-08	1.45E-08	4.70E-08	5.40E-09	2.53E-09	7.93E-09	3.99E-09	1.44E-09	5.43E-09
1741	609687.4	4170923	3.23E-08	1.44E-08	4.66E-08	5.36E-09	2.51E-09	7.87E-09	3.96E-09	1.43E-09	5.39E-09
1742	609678.8	4170927	3.20E-08	1.42E-08	4.62E-08	5.31E-09	2.48E-09	7.79E-09	3.92E-09	1.42E-09	5.34E-09
1743	609670.3	4170930	3.16E-08	1.41E-08	4.56E-08	5.25E-09	2.45E-09	7.70E-09	3.87E-09	1.40E-09	5.27E-09
1744	609661.8	4170934	3.11E-08	1.39E-08	4.50E-08	5.17E-09	2.42E-09	7.59E-09	3.82E-09	1.38E-09	5.20E-09
1745	609653.2	4170937	3.06E-08	1.36E-08	4.42E-08	5.08E-09	2.38E-09	7.46E-09	3.75E-09	1.36E-09	5.11E-09
1746	609644.7	4170941	3.00E-08	1.33E-08	4.33E-08	4.98E-09	2.33E-09	7.31E-09	3.68E-09	1.33E-09	5.01E-09
1747	609636.2	4170944	2.93E-08	1.31E-08	4.24E-08	4.87E-09	2.28E-09	7.15E-09	3.60E-09	1.30E-09	4.90E-09
1748	609627.6	4170947	2.86E-08	1.27E-08	4.14E-08	4.75E-09	2.22E-09	6.98E-09	3.51E-09	1.27E-09	4.78E-09
1749	609619.1	4170951	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.16E-09	6.79E-09	3.42E-09	1.24E-09	4.65E-09
1750	609833.1	4170731	4.45E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.45E-09	1.97E-09	7.42E-09
1751	609833.2	4170722	4.54E-08	2.02E-08	6.56E-08	7.54E-09	3.52E-09	1.11E-08	5.56E-09	2.01E-09	7.58E-09
1752	609833.4	4170712	4.62E-08	2.05E-08	6.67E-08	7.67E-09	3.59E-09	1.13E-08	5.66E-09	2.05E-09	7.71E-09
1753	609833.5	4170703	4.68E-08	2.08E-08	6.77E-08	7.78E-09	3.64E-09	1.14E-08	5.74E-09	2.08E-09	7.82E-09
1754	609833.6	4170694	4.74E-08	2.11E-08	6.85E-08	7.87E-09	3.68E-09	1.16E-08	5.81E-09	2.10E-09	7.91E-09
1755	609833.8	4170684	4.78E-08	2.13E-08	6.90E-08	7.93E-09	3.71E-09	1.16E-08	5.86E-09	2.12E-09	7.98E-09
1756	609833.9	4170675	4.80E-08	2.14E-08	6.93E-08	7.97E-09	3.73E-09	1.17E-08	5.88E-09	2.13E-09	8.01E-09
1757	609834.1	4170665	4.80E-08	2.14E-08	6.94E-08	7.97E-09	3.73E-09	1.17E-08	5.89E-09	2.13E-09	8.02E-09
1758	609834.2	4170656	4.78E-08	2.13E-08	6.91E-08	7.95E-09	3.72E-09	1.17E-08	5.87E-09	2.12E-09	7.99E-09
1759	609834.3	4170646	4.75E-08	2.11E-08	6.86E-08	7.89E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.93E-09
1760	609834.5	4170637	4.69E-08	2.09E-08	6.78E-08	7.79E-09	3.64E-09	1.14E-08	5.75E-09	2.08E-09	7.83E-09
1761	609834.6	4170627	4.61E-08	2.05E-08	6.66E-08	7.65E-09	3.58E-09	1.12E-08	5.65E-09	2.04E-09	7.69E-09
1762	609839.5	4170740	4.19E-08	1.86E-08	6.05E-08	6.95E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
1763	609835.9	4170748	4.18E-08	1.86E-08	6.05E-08	6.95E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
1764	609832.3	4170757	4.17E-08	1.86E-08	6.03E-08	6.93E-09	3.24E-09	1.02E-08	5.12E-09	1.85E-09	6.97E-09
1765	609828.7	4170765	4.15E-08	1.85E-08	6.00E-08	6.89E-09	3.23E-09	1.01E-08	5.09E-09	1.84E-09	6.93E-09
1766	609825.1	4170773	4.12E-08	1.83E-08	5.96E-08	6.85E-09	3.20E-09	1.00E-08	5.05E-09	1.83E-09	6.88E-09
1767	609817.9	4170790	4.04E-08	1.80E-08	5.84E-08	6.71E-09	3.14E-09	9.85E-09	4.95E-09	1.79E-09	6.74E-09
1768	609810.7	4170807	3.93E-08	1.75E-08	5.68E-08	6.53E-09	3.05E-09	9.58E-09	4.82E-09	1.74E-09	6.56E-09
1769	609803.5	4170824	3.79E-08	1.69E-08	5.48E-08	6.30E-09	2.95E-09	9.24E-09	4.65E-09	1.68E-09	6.33E-09
1770	609799.9	4170832	3.71E-08	1.65E-08	5.37E-08	6.17E-09	2.89E-09	9.06E-09	4.55E-09	1.65E-09	6.20E-09
1771	609796.3	4170840	3.63E-08	1.62E-08	5.25E-08	6.04E-09	2.82E-09	8.86E-09	4.46E-09	1.61E-09	6.07E-09
1772	609792.7	4170849	3.55E-08	1.58E-08	5.13E-08	5.90E-09	2.76E-09	8.65E-09	4.35E-09	1.58E-09	5.93E-09
1773	609785.5	4170866	3.37E-08	1.50E-08	4.87E-08	5.60E-09	2.62E-09	8.22E-09	4.13E-09	1.50E-09	5.63E-09
1774	609778.3	4170882	3.18E-08	1.42E-08	4.60E-08	5.29E-09	2.47E-09	7.76E-09	3.90E-09	1.41E-09	5.32E-09
1775	609762.7	4170903	3.02E-08	1.34E-08	4.36E-08	5.01E-09	2.35E-09	7.36E-09	3.70E-09	1.34E-09	5.04E-09
1776	609754.2	4170906	3.04E-08	1.35E-08	4.40E-08	5.05E-09	2.36E-09	7.42E-09	3.73E-09	1.35E-09	5.08E-09
1777	609745.8	4170910	3.06E-08	1.36E-08	4.42E-08	5.08E-09	2.38E-09	7.46E-09	3.75E-09	1.36E-09	5.11E-09
1778	609737.3	4170913	3.07E-08	1.37E-08	4.44E-08	5.10E-09	2.39E-09	7.49E-09	3.77E-09	1.36E-09	5.13E-09
1779	609728.9	4170916	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.51E-09	3.77E-09	1.37E-09	5.14E-09
1780	609720.4	4170920	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.51E-09	3.77E-09	1.37E-09	5.14E-09
1781	609711.9	4170923	3.07E-08	1.37E-08	4.44E-08	5.10E-09	2.39E-09	7.49E-09	3.77E-09	1.36E-09	5.13E-09
1782	609703.5	4170927	3.06E-08	1.36E-08	4.42E-08	5.08E-09	2.38E-09	7.46E-09	3.75E-09	1.36E-09	5.11E-09
1783	609695	4170930	3.04E-08	1.35E-08	4.39E-08	5.05E-09	2.36E-09	7.41E-09	3.73E-09	1.35E-09	5.08E-09
1784	609686.6	4170934	3.02E-08	1.34E-08	4.36E-08	5.01E-09	2.34E-09	7.35E-09	3.70E-09	1.34E-09	5.04E-09
1785	609678.1	4170937	2.98E-08	1.33E-08	4.31E-08	4.96E-09	2.32E-09	7.27E-09	3.66E-09	1.32E-09	4.98E-09
1786	609669.7	4170940	2.94E-08	1.31E-08	4.25E-08	4.89E-09	2.29E-09	7.18E-09	3.61E-09	1.31E-09	4.92E-09
1787	609661.2	4170944	2.90E-08	1.29E-08	4.19E-08	4.82E-09	2.25E-09	7.07E-09	3.55E-09	1.29E-09	4.84E-09
1788	609652.7	4170947	2.85E-08	1.27E-08	4.12E-08	4.73E-09	2.21E-09	6.94E-09	3.49E-09	1.26E-09	4.76E-09

1789	609644.3	4170951	2.79E-08	1.24E-08	4.03E-08	4.64E-09	2.17E-09	6.81E-09	3.42E-09	1.24E-09	4.66E-09
1790	609635.8	4170954	2.73E-08	1.21E-08	3.94E-08	4.53E-09	2.12E-09	6.65E-09	3.35E-09	1.21E-09	4.56E-09
1791	609627.4	4170958	2.66E-08	1.18E-08	3.85E-08	4.42E-09	2.07E-09	6.49E-09	3.26E-09	1.18E-09	4.45E-09
1792	609618.9	4170961	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.32E-09	3.18E-09	1.15E-09	4.33E-09
1793	609843.1	4170731	4.18E-08	1.86E-08	6.04E-08	6.94E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.98E-09
1794	609843.2	4170722	4.26E-08	1.90E-08	6.16E-08	7.08E-09	3.31E-09	1.04E-08	5.23E-09	1.89E-09	7.12E-09
1795	609843.4	4170713	4.33E-08	1.93E-08	6.26E-08	7.20E-09	3.37E-09	1.06E-08	5.31E-09	1.92E-09	7.24E-09
1796	609843.5	4170703	4.39E-08	1.96E-08	6.35E-08	7.30E-09	3.41E-09	1.07E-08	5.39E-09	1.95E-09	7.34E-09
1797	609843.6	4170694	4.44E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.45E-09	1.97E-09	7.42E-09
1798	609843.8	4170684	4.48E-08	1.99E-08	6.47E-08	7.44E-09	3.48E-09	1.09E-08	5.49E-09	1.99E-09	7.48E-09
1799	609843.9	4170675	4.50E-08	2.00E-08	6.50E-08	7.47E-09	3.49E-09	1.10E-08	5.51E-09	2.00E-09	7.51E-09
1800	609844.1	4170665	4.50E-08	2.00E-08	6.50E-08	7.47E-09	3.50E-09	1.10E-08	5.52E-09	2.00E-09	7.51E-09
1801	609844.2	4170656	4.49E-08	2.00E-08	6.48E-08	7.45E-09	3.49E-09	1.09E-08	5.50E-09	1.99E-09	7.49E-09
1802	609844.3	4170647	4.46E-08	1.98E-08	6.44E-08	7.40E-09	3.46E-09	1.09E-08	5.46E-09	1.98E-09	7.44E-09
1803	609844.5	4170637	4.40E-08	1.96E-08	6.36E-08	7.32E-09	3.42E-09	1.07E-08	5.40E-09	1.95E-09	7.36E-09
1804	609844.6	4170628	4.33E-08	1.93E-08	6.26E-08	7.20E-09	3.37E-09	1.06E-08	5.31E-09	1.92E-09	7.24E-09
1805	609849.5	4170740	3.95E-08	1.76E-08	5.70E-08	6.55E-09	3.07E-09	9.62E-09	4.84E-09	1.75E-09	6.59E-09
1806	609842.4	4170757	3.94E-08	1.75E-08	5.69E-08	6.54E-09	3.06E-09	9.60E-09	4.83E-09	1.75E-09	6.57E-09
1807	609838.8	4170765	3.92E-08	1.74E-08	5.66E-08	6.51E-09	3.04E-09	9.55E-09	4.80E-09	1.74E-09	6.54E-09
1808	609831.7	4170782	3.86E-08	1.72E-08	5.58E-08	6.42E-09	3.00E-09	9.42E-09	4.74E-09	1.71E-09	6.45E-09
1809	609824.5	4170798	3.78E-08	1.68E-08	5.46E-08	6.28E-09	2.94E-09	9.21E-09	4.63E-09	1.68E-09	6.31E-09
1810	609817.4	4170815	3.67E-08	1.64E-08	5.31E-08	6.10E-09	2.85E-09	8.96E-09	4.50E-09	1.63E-09	6.14E-09
1811	609813.8	4170823	3.61E-08	1.61E-08	5.22E-08	6.00E-09	2.81E-09	8.81E-09	4.43E-09	1.60E-09	6.03E-09
1812	609806.7	4170840	3.48E-08	1.55E-08	5.02E-08	5.77E-09	2.70E-09	8.47E-09	4.26E-09	1.54E-09	5.80E-09
1813	609799.5	4170856	3.32E-08	1.48E-08	4.80E-08	5.52E-09	2.58E-09	8.10E-09	4.08E-09	1.48E-09	5.55E-09
1814	609792.4	4170873	3.16E-08	1.41E-08	4.57E-08	5.25E-09	2.46E-09	7.71E-09	3.88E-09	1.40E-09	5.28E-09
1815	609788.8	4170881	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.50E-09	3.77E-09	1.37E-09	5.14E-09
1816	609781.7	4170898	2.90E-08	1.29E-08	4.20E-08	4.82E-09	2.26E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
1817	609769.7	4170910	2.84E-08	1.27E-08	4.11E-08	4.72E-09	2.21E-09	6.93E-09	3.49E-09	1.26E-09	4.75E-09
1818	609761.4	4170913	2.86E-08	1.27E-08	4.14E-08	4.76E-09	2.23E-09	6.98E-09	3.51E-09	1.27E-09	4.78E-09
1819	609753	4170917	2.88E-08	1.28E-08	4.16E-08	4.78E-09	2.24E-09	7.02E-09	3.53E-09	1.28E-09	4.81E-09
1820	609744.6	4170920	2.89E-08	1.29E-08	4.18E-08	4.80E-09	2.25E-09	7.05E-09	3.55E-09	1.28E-09	4.83E-09
1821	609727.8	4170927	2.90E-08	1.29E-08	4.19E-08	4.82E-09	2.25E-09	7.07E-09	3.56E-09	1.29E-09	4.84E-09
1822	609719.4	4170930	2.90E-08	1.29E-08	4.18E-08	4.81E-09	2.25E-09	7.06E-09	3.55E-09	1.29E-09	4.84E-09
1823	609702.6	4170937	2.87E-08	1.28E-08	4.15E-08	4.77E-09	2.23E-09	7.00E-09	3.52E-09	1.27E-09	4.79E-09
1824	609694.2	4170940	2.85E-08	1.27E-08	4.12E-08	4.73E-09	2.21E-09	6.95E-09	3.49E-09	1.26E-09	4.76E-09
1825	609677.5	4170947	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.17E-09	6.80E-09	3.42E-09	1.24E-09	4.66E-09
1826	609660.7	4170954	2.71E-08	1.20E-08	3.91E-08	4.50E-09	2.10E-09	6.60E-09	3.32E-09	1.20E-09	4.52E-09
1827	609652.3	4170957	2.66E-08	1.18E-08	3.84E-08	4.41E-09	2.06E-09	6.48E-09	3.26E-09	1.18E-09	4.44E-09
1828	609643.9	4170961	2.60E-08	1.16E-08	3.76E-08	4.32E-09	2.02E-09	6.35E-09	3.19E-09	1.16E-09	4.35E-09
1829	609635.5	4170964	2.54E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.25E-09
1830	609627.1	4170968	2.48E-08	1.10E-08	3.59E-08	4.12E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.14E-09
1831	609853.1	4170732	3.94E-08	1.75E-08	5.69E-08	6.54E-09	3.06E-09	9.60E-09	4.83E-09	1.75E-09	6.58E-09
1832	609853.2	4170722	4.01E-08	1.79E-08	5.80E-08	6.66E-09	3.12E-09	9.78E-09	4.92E-09	1.78E-09	6.70E-09
1833	609853.4	4170713	4.08E-08	1.81E-08	5.89E-08	6.77E-09	3.17E-09	9.94E-09	5.00E-09	1.81E-09	6.81E-09
1834	609853.5	4170703	4.13E-08	1.84E-08	5.97E-08	6.86E-09	3.21E-09	1.01E-08	5.07E-09	1.83E-09	6.90E-09
1835	609853.6	4170694	4.18E-08	1.86E-08	6.03E-08	6.94E-09	3.24E-09	1.02E-08	5.12E-09	1.85E-09	6.97E-09
1836	609853.8	4170684	4.20E-08	1.87E-08	6.07E-08	6.98E-09	3.26E-09	1.02E-08	5.15E-09	1.86E-09	7.01E-09
1837	609853.9	4170675	4.21E-08	1.87E-08	6.09E-08	7.00E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
1838	609854.1	4170666	4.22E-08	1.88E-08	6.10E-08	7.01E-09	3.28E-09	1.03E-08	5.17E-09	1.87E-09	7.04E-09
1839	609854.2	4170656	4.21E-08	1.87E-08	6.08E-08	6.99E-09	3.27E-09	1.03E-08	5.16E-09	1.87E-09	7.03E-09
1840	609854.3	4170647	4.19E-08	1.86E-08	6.05E-08	6.95E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
1841	609854.5	4170637	4.14E-08	1.84E-08	5.99E-08	6.88E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.92E-09
1842	609854.6	4170628	4.09E-08	1.82E-08	5.91E-08	6.79E-09	3.18E-09	9.96E-09	5.01E-09	1.81E-09	6.82E-09
1843	609859.4	4170740	3.73E-08	1.66E-08	5.38E-08	6.19E-09	2.89E-09	9.08E-09	4.57E-09	1.65E-09	6.22E-09
1844	609855.6	4170749	3.72E-08	1.66E-08	5.38E-08	6.19E-09	2.89E-09	9.08E-09	4.57E-09	1.65E-09	6.22E-09

1845	609851.9	4170758	3.72E-08	1.65E-08	5.37E-08	6.17E-09	2.89E-09	9.06E-09	4.56E-09	1.65E-09	6.21E-09
1846	609848.2	4170766	3.70E-08	1.65E-08	5.35E-08	6.15E-09	2.88E-09	9.03E-09	4.54E-09	1.64E-09	6.18E-09
1847	609844.5	4170775	3.68E-08	1.64E-08	5.32E-08	6.11E-09	2.86E-09	8.97E-09	4.51E-09	1.63E-09	6.14E-09
1848	609840.8	4170784	3.65E-08	1.62E-08	5.27E-08	6.06E-09	2.84E-09	8.90E-09	4.47E-09	1.62E-09	6.09E-09
1849	609837.1	4170792	3.61E-08	1.61E-08	5.22E-08	6.00E-09	2.81E-09	8.81E-09	4.43E-09	1.60E-09	6.03E-09
1850	609833.4	4170801	3.57E-08	1.59E-08	5.16E-08	5.93E-09	2.77E-09	8.71E-09	4.38E-09	1.59E-09	5.96E-09
1851	609829.7	4170810	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.59E-09	4.32E-09	1.56E-09	5.89E-09
1852	609826	4170818	3.47E-08	1.55E-08	5.02E-08	5.77E-09	2.70E-09	8.46E-09	4.26E-09	1.54E-09	5.80E-09
1853	609822.2	4170827	3.41E-08	1.52E-08	4.93E-08	5.67E-09	2.65E-09	8.32E-09	4.19E-09	1.52E-09	5.70E-09
1854	609818.5	4170836	3.35E-08	1.49E-08	4.84E-08	5.57E-09	2.60E-09	8.17E-09	4.11E-09	1.49E-09	5.60E-09
1855	609814.8	4170844	3.28E-08	1.46E-08	4.75E-08	5.45E-09	2.55E-09	8.01E-09	4.03E-09	1.46E-09	5.48E-09
1856	609811.1	4170853	3.21E-08	1.43E-08	4.64E-08	5.34E-09	2.50E-09	7.83E-09	3.94E-09	1.43E-09	5.37E-09
1857	609807.4	4170862	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.66E-09	3.85E-09	1.39E-09	5.24E-09
1858	609803.7	4170870	3.06E-08	1.36E-08	4.43E-08	5.09E-09	2.38E-09	7.47E-09	3.76E-09	1.36E-09	5.12E-09
1859	609800	4170879	2.99E-08	1.33E-08	4.31E-08	4.96E-09	2.32E-09	7.28E-09	3.66E-09	1.33E-09	4.99E-09
1860	609796.3	4170888	2.91E-08	1.29E-08	4.20E-08	4.83E-09	2.26E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
1861	609792.6	4170896	2.82E-08	1.26E-08	4.08E-08	4.69E-09	2.19E-09	6.89E-09	3.46E-09	1.25E-09	4.72E-09
1862	609788.8	4170905	2.74E-08	1.22E-08	3.96E-08	4.55E-09	2.13E-09	6.68E-09	3.36E-09	1.22E-09	4.58E-09
1863	609776.4	4170917	2.68E-08	1.19E-08	3.88E-08	4.46E-09	2.08E-09	6.54E-09	3.29E-09	1.19E-09	4.48E-09
1864	609767.7	4170921	2.70E-08	1.20E-08	3.91E-08	4.49E-09	2.10E-09	6.59E-09	3.31E-09	1.20E-09	4.51E-09
1865	609759	4170924	2.72E-08	1.21E-08	3.93E-08	4.52E-09	2.11E-09	6.63E-09	3.33E-09	1.21E-09	4.54E-09
1866	609750.2	4170928	2.73E-08	1.21E-08	3.94E-08	4.53E-09	2.12E-09	6.65E-09	3.35E-09	1.21E-09	4.56E-09
1867	609741.5	4170931	2.74E-08	1.22E-08	3.95E-08	4.54E-09	2.13E-09	6.67E-09	3.35E-09	1.21E-09	4.57E-09
1868	609732.8	4170935	2.74E-08	1.22E-08	3.95E-08	4.54E-09	2.13E-09	6.67E-09	3.35E-09	1.21E-09	4.57E-09
1869	609724.1	4170938	2.73E-08	1.22E-08	3.95E-08	4.54E-09	2.12E-09	6.66E-09	3.35E-09	1.21E-09	4.56E-09
1870	609715.3	4170942	2.72E-08	1.21E-08	3.93E-08	4.52E-09	2.11E-09	6.64E-09	3.34E-09	1.21E-09	4.54E-09
1871	609706.6	4170945	2.71E-08	1.20E-08	3.91E-08	4.49E-09	2.10E-09	6.60E-09	3.32E-09	1.20E-09	4.52E-09
1872	609697.9	4170949	2.68E-08	1.19E-08	3.88E-08	4.46E-09	2.09E-09	6.55E-09	3.29E-09	1.19E-09	4.48E-09
1873	609689.2	4170952	2.66E-08	1.18E-08	3.84E-08	4.42E-09	2.07E-09	6.48E-09	3.26E-09	1.18E-09	4.44E-09
1874	609680.4	4170956	2.63E-08	1.17E-08	3.79E-08	4.36E-09	2.04E-09	6.40E-09	3.22E-09	1.17E-09	4.38E-09
1875	609671.7	4170960	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.31E-09	3.17E-09	1.15E-09	4.32E-09
1876	609663	4170963	2.54E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.25E-09
1877	609654.3	4170967	2.50E-08	1.11E-08	3.61E-08	4.15E-09	1.94E-09	6.09E-09	3.06E-09	1.11E-09	4.17E-09
1878	609645.5	4170970	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.08E-09	4.08E-09
1879	609636.8	4170974	2.39E-08	1.06E-08	3.45E-08	3.96E-09	1.85E-09	5.82E-09	2.93E-09	1.06E-09	3.99E-09
1880	609628.1	4170977	2.33E-08	1.04E-08	3.36E-08	3.86E-09	1.81E-09	5.67E-09	2.85E-09	1.03E-09	3.88E-09
1881	609619.4	4170981	2.26E-08	1.01E-08	3.27E-08	3.76E-09	1.76E-09	5.51E-09	2.77E-09	1.00E-09	3.78E-09
1882	609863.1	4170732	3.72E-08	1.65E-08	5.37E-08	6.18E-09	2.89E-09	9.06E-09	4.56E-09	1.65E-09	6.21E-09
1883	609863.2	4170722	3.78E-08	1.68E-08	5.47E-08	6.29E-09	2.94E-09	9.23E-09	4.64E-09	1.68E-09	6.32E-09
1884	609863.3	4170713	3.84E-08	1.71E-08	5.55E-08	6.38E-09	2.99E-09	9.37E-09	4.71E-09	1.71E-09	6.42E-09
1885	609863.5	4170703	3.89E-08	1.73E-08	5.63E-08	6.47E-09	3.02E-09	9.49E-09	4.77E-09	1.73E-09	6.50E-09
1886	609863.6	4170694	3.93E-08	1.75E-08	5.68E-08	6.52E-09	3.05E-09	9.58E-09	4.82E-09	1.74E-09	6.56E-09
1887	609863.8	4170685	3.95E-08	1.76E-08	5.70E-08	6.56E-09	3.07E-09	9.62E-09	4.84E-09	1.75E-09	6.59E-09
1888	609863.9	4170675	3.96E-08	1.76E-08	5.72E-08	6.57E-09	3.07E-09	9.65E-09	4.85E-09	1.76E-09	6.61E-09
1889	609864.1	4170666	3.96E-08	1.76E-08	5.73E-08	6.58E-09	3.08E-09	9.66E-09	4.86E-09	1.76E-09	6.62E-09
1890	609864.2	4170656	3.96E-08	1.76E-08	5.72E-08	6.57E-09	3.08E-09	9.65E-09	4.85E-09	1.76E-09	6.61E-09
1891	609864.3	4170647	3.94E-08	1.75E-08	5.69E-08	6.54E-09	3.06E-09	9.60E-09	4.83E-09	1.75E-09	6.58E-09
1892	609864.5	4170637	3.91E-08	1.74E-08	5.64E-08	6.49E-09	3.03E-09	9.52E-09	4.79E-09	1.73E-09	6.52E-09
1893	609864.6	4170628	3.86E-08	1.72E-08	5.58E-08	6.41E-09	3.00E-09	9.41E-09	4.73E-09	1.71E-09	6.44E-09
1894	609869.4	4170740	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.59E-09	4.32E-09	1.56E-09	5.88E-09
1895	609865.7	4170749	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.59E-09	4.32E-09	1.56E-09	5.88E-09
1896	609862	4170758	3.52E-08	1.57E-08	5.08E-08	5.84E-09	2.73E-09	8.58E-09	4.31E-09	1.56E-09	5.87E-09
1897	609858.4	4170766	3.51E-08	1.56E-08	5.07E-08	5.82E-09	2.72E-09	8.55E-09	4.30E-09	1.56E-09	5.85E-09
1898	609854.7	4170775	3.49E-08	1.55E-08	5.04E-08	5.79E-09	2.71E-09	8.50E-09	4.28E-09	1.55E-09	5.82E-09
1899	609851	4170783	3.46E-08	1.54E-08	5.00E-08	5.75E-09	2.69E-09	8.44E-09	4.24E-09	1.54E-09	5.78E-09
1900	609847.3	4170792	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.73E-09

1901	609843.6	4170801	3.40E-08	1.51E-08	4.91E-08	5.64E-09	2.64E-09	8.28E-09	4.16E-09	1.51E-09	5.67E-09
1902	609840	4170809	3.35E-08	1.49E-08	4.85E-08	5.57E-09	2.61E-09	8.18E-09	4.11E-09	1.49E-09	5.60E-09
1903	609836.3	4170818	3.31E-08	1.47E-08	4.78E-08	5.50E-09	2.57E-09	8.07E-09	4.06E-09	1.47E-09	5.53E-09
1904	609832.6	4170826	3.26E-08	1.45E-08	4.71E-08	5.42E-09	2.53E-09	7.95E-09	4.00E-09	1.45E-09	5.44E-09
1905	609828.9	4170835	3.21E-08	1.43E-08	4.63E-08	5.32E-09	2.49E-09	7.81E-09	3.93E-09	1.42E-09	5.35E-09
1906	609825.2	4170843	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.44E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
1907	609821.6	4170852	3.08E-08	1.37E-08	4.46E-08	5.12E-09	2.40E-09	7.52E-09	3.78E-09	1.37E-09	5.15E-09
1908	609817.9	4170861	3.02E-08	1.34E-08	4.36E-08	5.02E-09	2.35E-09	7.36E-09	3.70E-09	1.34E-09	5.04E-09
1909	609814.2	4170869	2.95E-08	1.31E-08	4.27E-08	4.90E-09	2.29E-09	7.20E-09	3.62E-09	1.31E-09	4.93E-09
1910	609810.5	4170878	2.88E-08	1.28E-08	4.17E-08	4.79E-09	2.24E-09	7.03E-09	3.53E-09	1.28E-09	4.81E-09
1911	609806.9	4170886	2.81E-08	1.25E-08	4.06E-08	4.67E-09	2.18E-09	6.85E-09	3.45E-09	1.25E-09	4.69E-09
1912	609803.2	4170895	2.74E-08	1.22E-08	3.96E-08	4.55E-09	2.13E-09	6.68E-09	3.36E-09	1.22E-09	4.57E-09
1913	609799.5	4170903	2.66E-08	1.19E-08	3.85E-08	4.43E-09	2.07E-09	6.50E-09	3.27E-09	1.18E-09	4.45E-09
1914	609795.8	4170912	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.31E-09	3.17E-09	1.15E-09	4.32E-09
1915	609783.5	4170924	2.54E-08	1.13E-08	3.66E-08	4.21E-09	1.97E-09	6.18E-09	3.11E-09	1.13E-09	4.23E-09
1916	609774.8	4170928	2.55E-08	1.14E-08	3.69E-08	4.24E-09	1.98E-09	6.23E-09	3.13E-09	1.13E-09	4.26E-09
1917	609766.2	4170931	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
1918	609757.5	4170935	2.58E-08	1.15E-08	3.73E-08	4.28E-09	2.00E-09	6.29E-09	3.16E-09	1.14E-09	4.31E-09
1919	609748.9	4170938	2.58E-08	1.15E-08	3.73E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.32E-09
1920	609740.2	4170942	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.32E-09
1921	609731.6	4170945	2.58E-08	1.15E-08	3.73E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.31E-09
1922	609722.9	4170949	2.57E-08	1.15E-08	3.72E-08	4.28E-09	2.00E-09	6.28E-09	3.16E-09	1.14E-09	4.30E-09
1923	609714.3	4170952	2.56E-08	1.14E-08	3.70E-08	4.26E-09	1.99E-09	6.25E-09	3.14E-09	1.14E-09	4.28E-09
1924	609705.7	4170956	2.54E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.25E-09
1925	609697	4170959	2.52E-08	1.12E-08	3.64E-08	4.19E-09	1.96E-09	6.15E-09	3.09E-09	1.12E-09	4.21E-09
1926	609688.4	4170963	2.49E-08	1.11E-08	3.60E-08	4.14E-09	1.94E-09	6.08E-09	3.06E-09	1.11E-09	4.17E-09
1927	609679.7	4170966	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
1928	609671.1	4170970	2.42E-08	1.08E-08	3.50E-08	4.03E-09	1.88E-09	5.91E-09	2.97E-09	1.08E-09	4.05E-09
1929	609662.4	4170973	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
1930	609653.8	4170977	2.34E-08	1.04E-08	3.38E-08	3.88E-09	1.82E-09	5.70E-09	2.87E-09	1.04E-09	3.90E-09
1931	609645.1	4170980	2.29E-08	1.02E-08	3.30E-08	3.80E-09	1.78E-09	5.58E-09	2.80E-09	1.02E-09	3.82E-09
1932	609636.5	4170984	2.23E-08	9.94E-09	3.23E-08	3.71E-09	1.74E-09	5.44E-09	2.74E-09	9.91E-10	3.73E-09
1933	609627.8	4170987	2.18E-08	9.69E-09	3.14E-08	3.62E-09	1.69E-09	5.31E-09	2.67E-09	9.66E-10	3.63E-09
1934	609619.2	4170991	2.12E-08	9.42E-09	3.06E-08	3.52E-09	1.64E-09	5.16E-09	2.60E-09	9.39E-10	3.53E-09
1935	609873.1	4170732	3.51E-08	1.56E-08	5.08E-08	5.84E-09	2.73E-09	8.57E-09	4.31E-09	1.56E-09	5.87E-09
1936	609873.2	4170722	3.57E-08	1.59E-08	5.17E-08	5.94E-09	2.78E-09	8.72E-09	4.38E-09	1.59E-09	5.97E-09
1937	609873.3	4170713	3.63E-08	1.61E-08	5.24E-08	6.03E-09	2.82E-09	8.85E-09	4.45E-09	1.61E-09	6.06E-09
1938	609873.5	4170704	3.67E-08	1.64E-08	5.31E-08	6.10E-09	2.85E-09	8.96E-09	4.50E-09	1.63E-09	6.14E-09
1939	609873.6	4170694	3.71E-08	1.65E-08	5.36E-08	6.16E-09	2.88E-09	9.04E-09	4.54E-09	1.64E-09	6.19E-09
1940	609873.8	4170685	3.72E-08	1.66E-08	5.38E-08	6.19E-09	2.89E-09	9.08E-09	4.57E-09	1.65E-09	6.22E-09
1941	609873.9	4170675	3.73E-08	1.66E-08	5.39E-08	6.20E-09	2.90E-09	9.10E-09	4.58E-09	1.66E-09	6.23E-09
1942	609874.1	4170666	3.74E-08	1.66E-08	5.41E-08	6.21E-09	2.91E-09	9.12E-09	4.59E-09	1.66E-09	6.25E-09
1943	609874.2	4170656	3.74E-08	1.66E-08	5.40E-08	6.21E-09	2.90E-09	9.11E-09	4.58E-09	1.66E-09	6.24E-09
1944	609874.3	4170647	3.72E-08	1.66E-08	5.38E-08	6.18E-09	2.89E-09	9.07E-09	4.56E-09	1.65E-09	6.21E-09
1945	609874.5	4170638	3.69E-08	1.64E-08	5.34E-08	6.13E-09	2.87E-09	9.00E-09	4.53E-09	1.64E-09	6.17E-09
1946	609874.6	4170628	3.65E-08	1.63E-08	5.28E-08	6.07E-09	2.84E-09	8.90E-09	4.48E-09	1.62E-09	6.10E-09
1947	609879.4	4170741	3.34E-08	1.48E-08	4.82E-08	5.54E-09	2.59E-09	8.13E-09	4.09E-09	1.48E-09	5.57E-09
1948	609875.8	4170749	3.34E-08	1.49E-08	4.82E-08	5.55E-09	2.59E-09	8.14E-09	4.09E-09	1.48E-09	5.57E-09
1949	609872.1	4170758	3.33E-08	1.48E-08	4.82E-08	5.54E-09	2.59E-09	8.13E-09	4.09E-09	1.48E-09	5.57E-09
1950	609868.5	4170766	3.32E-08	1.48E-08	4.80E-08	5.52E-09	2.58E-09	8.11E-09	4.08E-09	1.48E-09	5.55E-09
1951	609864.8	4170775	3.31E-08	1.47E-08	4.78E-08	5.50E-09	2.57E-09	8.07E-09	4.06E-09	1.47E-09	5.53E-09
1952	609861.2	4170783	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.56E-09	8.02E-09	4.03E-09	1.46E-09	5.49E-09
1953	609857.5	4170792	3.26E-08	1.45E-08	4.71E-08	5.42E-09	2.53E-09	7.95E-09	4.00E-09	1.45E-09	5.45E-09
1954	609853.9	4170800	3.23E-08	1.44E-08	4.67E-08	5.37E-09	2.51E-09	7.88E-09	3.96E-09	1.43E-09	5.40E-09
1955	609850.2	4170809	3.20E-08	1.42E-08	4.62E-08	5.31E-09	2.48E-09	7.79E-09	3.92E-09	1.42E-09	5.34E-09
1956	609846.6	4170817	3.16E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.69E-09	3.87E-09	1.40E-09	5.27E-09

1957	609842.9	4170826	3.11E-08	1.39E-08	4.50E-08	5.17E-09	2.42E-09	7.59E-09	3.82E-09	1.38E-09	5.20E-09
1958	609839.3	4170834	3.07E-08	1.36E-08	4.43E-08	5.09E-09	2.38E-09	7.47E-09	3.76E-09	1.36E-09	5.12E-09
1959	609835.6	4170843	3.01E-08	1.34E-08	4.36E-08	5.01E-09	2.34E-09	7.35E-09	3.70E-09	1.34E-09	5.03E-09
1960	609832	4170851	2.96E-08	1.32E-08	4.28E-08	4.92E-09	2.30E-09	7.22E-09	3.63E-09	1.31E-09	4.94E-09
1961	609828.3	4170860	2.90E-08	1.29E-08	4.19E-08	4.82E-09	2.26E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
1962	609824.7	4170868	2.84E-08	1.27E-08	4.11E-08	4.72E-09	2.21E-09	6.93E-09	3.49E-09	1.26E-09	4.75E-09
1963	609821	4170877	2.78E-08	1.24E-08	4.02E-08	4.62E-09	2.16E-09	6.78E-09	3.41E-09	1.23E-09	4.64E-09
1964	609817.4	4170885	2.72E-08	1.21E-08	3.93E-08	4.51E-09	2.11E-09	6.62E-09	3.33E-09	1.21E-09	4.54E-09
1965	609813.7	4170894	2.65E-08	1.18E-08	3.83E-08	4.40E-09	2.06E-09	6.47E-09	3.25E-09	1.18E-09	4.43E-09
1966	609810.1	4170902	2.59E-08	1.15E-08	3.74E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.32E-09
1967	609806.4	4170911	2.52E-08	1.12E-08	3.64E-08	4.18E-09	1.96E-09	6.14E-09	3.09E-09	1.12E-09	4.20E-09
1968	609802.8	4170919	2.45E-08	1.09E-08	3.54E-08	4.07E-09	1.90E-09	5.97E-09	3.00E-09	1.09E-09	4.09E-09
1969	609790.6	4170931	2.40E-08	1.07E-08	3.47E-08	3.99E-09	1.87E-09	5.85E-09	2.94E-09	1.07E-09	4.01E-09
1970	609782	4170935	2.42E-08	1.08E-08	3.49E-08	4.02E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.04E-09
1971	609773.4	4170938	2.43E-08	1.08E-08	3.51E-08	4.04E-09	1.89E-09	5.93E-09	2.98E-09	1.08E-09	4.06E-09
1972	609764.8	4170942	2.44E-08	1.09E-08	3.53E-08	4.05E-09	1.90E-09	5.95E-09	2.99E-09	1.08E-09	4.08E-09
1973	609756.2	4170945	2.45E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.09E-09	4.09E-09
1974	609747.7	4170949	2.45E-08	1.09E-08	3.54E-08	4.07E-09	1.90E-09	5.97E-09	3.00E-09	1.09E-09	4.09E-09
1975	609739.1	4170952	2.45E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.09E-09	4.09E-09
1976	609730.5	4170956	2.44E-08	1.09E-08	3.53E-08	4.05E-09	1.90E-09	5.95E-09	2.99E-09	1.08E-09	4.07E-09
1977	609721.9	4170959	2.43E-08	1.08E-08	3.51E-08	4.04E-09	1.89E-09	5.92E-09	2.98E-09	1.08E-09	4.06E-09
1978	609713.4	4170963	2.41E-08	1.07E-08	3.49E-08	4.01E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.03E-09
1979	609704.8	4170966	2.40E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
1980	609696.2	4170970	2.37E-08	1.06E-08	3.43E-08	3.94E-09	1.84E-09	5.78E-09	2.91E-09	1.05E-09	3.96E-09
1981	609687.6	4170973	2.34E-08	1.04E-08	3.39E-08	3.89E-09	1.82E-09	5.72E-09	2.87E-09	1.04E-09	3.91E-09
1982	609679	4170977	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.64E-09	2.83E-09	1.03E-09	3.86E-09
1983	609670.5	4170980	2.28E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
1984	609661.9	4170983	2.24E-08	9.95E-09	3.23E-08	3.71E-09	1.74E-09	5.45E-09	2.74E-09	9.92E-10	3.73E-09
1985	609653.3	4170987	2.19E-08	9.75E-09	3.17E-08	3.64E-09	1.70E-09	5.34E-09	2.69E-09	9.73E-10	3.66E-09
1986	609644.7	4170990	2.14E-08	9.54E-09	3.10E-08	3.56E-09	1.67E-09	5.23E-09	2.63E-09	9.52E-10	3.58E-09
1987	609636.1	4170994	2.09E-08	9.32E-09	3.02E-08	3.48E-09	1.63E-09	5.10E-09	2.57E-09	9.29E-10	3.50E-09
1988	609627.6	4170997	2.04E-08	9.08E-09	2.95E-08	3.39E-09	1.59E-09	4.97E-09	2.50E-09	9.06E-10	3.41E-09
1989	609619	4171001	1.98E-08	8.83E-09	2.87E-08	3.30E-09	1.54E-09	4.84E-09	2.43E-09	8.81E-10	3.31E-09
1990	609883.1	4170732	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.11E-09	4.08E-09	1.48E-09	5.56E-09
1991	609883.2	4170723	3.38E-08	1.51E-08	4.89E-08	5.62E-09	2.63E-09	8.25E-09	4.15E-09	1.50E-09	5.65E-09
1992	609883.3	4170713	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.73E-09
1993	609883.5	4170704	3.47E-08	1.55E-08	5.02E-08	5.77E-09	2.70E-09	8.47E-09	4.26E-09	1.54E-09	5.80E-09
1994	609883.6	4170694	3.50E-08	1.56E-08	5.06E-08	5.82E-09	2.72E-09	8.54E-09	4.29E-09	1.55E-09	5.85E-09
1995	609883.8	4170685	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.73E-09	8.58E-09	4.32E-09	1.56E-09	5.88E-09
1996	609883.9	4170675	3.53E-08	1.57E-08	5.10E-08	5.86E-09	2.74E-09	8.60E-09	4.33E-09	1.57E-09	5.89E-09
1997	609884.1	4170666	3.54E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.62E-09	4.34E-09	1.57E-09	5.90E-09
1998	609884.2	4170657	3.53E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.62E-09	4.33E-09	1.57E-09	5.90E-09
1999	609884.3	4170647	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.58E-09	4.32E-09	1.56E-09	5.88E-09
2000	609884.5	4170638	3.50E-08	1.56E-08	5.05E-08	5.81E-09	2.72E-09	8.52E-09	4.29E-09	1.55E-09	5.84E-09
2001	609884.6	4170628	3.46E-08	1.54E-08	5.00E-08	5.75E-09	2.69E-09	8.44E-09	4.24E-09	1.54E-09	5.78E-09
2002	609889.4	4170741	3.16E-08	1.41E-08	4.57E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.40E-09	5.28E-09
2003	609885.8	4170749	3.17E-08	1.41E-08	4.58E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.41E-09	5.29E-09
2004	609882.2	4170758	3.16E-08	1.41E-08	4.57E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.40E-09	5.28E-09
2005	609878.6	4170766	3.16E-08	1.41E-08	4.56E-08	5.24E-09	2.45E-09	7.70E-09	3.87E-09	1.40E-09	5.27E-09
2006	609875	4170774	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
2007	609871.3	4170783	3.13E-08	1.39E-08	4.52E-08	5.19E-09	2.43E-09	7.62E-09	3.83E-09	1.39E-09	5.22E-09
2008	609867.7	4170791	3.10E-08	1.38E-08	4.49E-08	5.16E-09	2.41E-09	7.57E-09	3.81E-09	1.38E-09	5.18E-09
2009	609864.1	4170800	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.51E-09	3.77E-09	1.37E-09	5.14E-09
2010	609860.5	4170808	3.05E-08	1.36E-08	4.40E-08	5.06E-09	2.37E-09	7.43E-09	3.74E-09	1.35E-09	5.09E-09
2011	609856.8	4170817	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.03E-09
2012	609853.2	4170825	2.97E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.25E-09	3.65E-09	1.32E-09	4.97E-09

2013	609849.6	4170834	2.93E-08	1.31E-08	4.24E-08	4.87E-09	2.28E-09	7.15E-09	3.60E-09	1.30E-09	4.90E-09
2014	609846	4170842	2.89E-08	1.29E-08	4.17E-08	4.80E-09	2.24E-09	7.04E-09	3.54E-09	1.28E-09	4.82E-09
2015	609842.4	4170850	2.84E-08	1.26E-08	4.10E-08	4.72E-09	2.21E-09	6.93E-09	3.48E-09	1.26E-09	4.74E-09
2016	609838.7	4170859	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.17E-09	6.80E-09	3.42E-09	1.24E-09	4.66E-09
2017	609835.1	4170867	2.74E-08	1.22E-08	3.96E-08	4.55E-09	2.13E-09	6.67E-09	3.36E-09	1.21E-09	4.57E-09
2018	609831.5	4170876	2.68E-08	1.19E-08	3.88E-08	4.45E-09	2.08E-09	6.54E-09	3.29E-09	1.19E-09	4.48E-09
2019	609827.9	4170884	2.62E-08	1.17E-08	3.79E-08	4.36E-09	2.04E-09	6.40E-09	3.22E-09	1.17E-09	4.38E-09
2020	609824.2	4170893	2.57E-08	1.14E-08	3.71E-08	4.26E-09	1.99E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
2021	609820.6	4170901	2.51E-08	1.12E-08	3.62E-08	4.16E-09	1.95E-09	6.11E-09	3.07E-09	1.11E-09	4.19E-09
2022	609817	4170910	2.45E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.09E-09	4.08E-09
2023	609813.4	4170918	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
2024	609809.8	4170926	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.66E-09	2.85E-09	1.03E-09	3.88E-09
2025	609797.6	4170938	2.28E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
2026	609789.1	4170942	2.29E-08	1.02E-08	3.31E-08	3.81E-09	1.78E-09	5.59E-09	2.81E-09	1.02E-09	3.83E-09
2027	609780.6	4170945	2.30E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.82E-09	1.02E-09	3.85E-09
2028	609772.1	4170949	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.64E-09	2.84E-09	1.03E-09	3.86E-09
2029	609763.6	4170952	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
2030	609755.1	4170956	2.32E-08	1.03E-08	3.35E-08	3.86E-09	1.80E-09	5.66E-09	2.85E-09	1.03E-09	3.88E-09
2031	609746.5	4170959	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.66E-09	2.84E-09	1.03E-09	3.87E-09
2032	609738	4170963	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
2033	609729.5	4170966	2.31E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.83E-09	1.02E-09	3.85E-09
2034	609721	4170969	2.29E-08	1.02E-08	3.32E-08	3.81E-09	1.78E-09	5.59E-09	2.81E-09	1.02E-09	3.83E-09
2035	609712.5	4170973	2.28E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
2036	609704	4170976	2.26E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.51E-09	2.77E-09	1.00E-09	3.77E-09
2037	609695.4	4170980	2.23E-08	9.94E-09	3.23E-08	3.71E-09	1.74E-09	5.45E-09	2.74E-09	9.92E-10	3.73E-09
2038	609686.9	4170983	2.21E-08	9.82E-09	3.19E-08	3.66E-09	1.71E-09	5.38E-09	2.70E-09	9.79E-10	3.68E-09
2039	609678.4	4170987	2.17E-08	9.68E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.67E-09	9.65E-10	3.63E-09
2040	609669.9	4170990	2.14E-08	9.52E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.49E-10	3.57E-09
2041	609661.4	4170994	2.10E-08	9.35E-09	3.03E-08	3.49E-09	1.63E-09	5.12E-09	2.57E-09	9.32E-10	3.51E-09
2042	609652.9	4170997	2.06E-08	9.16E-09	2.97E-08	3.42E-09	1.60E-09	5.02E-09	2.52E-09	9.13E-10	3.44E-09
2043	609644.4	4171001	2.01E-08	8.96E-09	2.91E-08	3.34E-09	1.56E-09	4.91E-09	2.47E-09	8.94E-10	3.36E-09
2044	609635.8	4171004	1.97E-08	8.75E-09	2.84E-08	3.27E-09	1.53E-09	4.79E-09	2.41E-09	8.73E-10	3.28E-09
2045	609627.3	4171007	1.92E-08	8.53E-09	2.77E-08	3.18E-09	1.49E-09	4.67E-09	2.35E-09	8.50E-10	3.20E-09
2046	609618.8	4171011	1.86E-08	8.30E-09	2.69E-08	3.10E-09	1.45E-09	4.54E-09	2.29E-09	8.27E-10	3.11E-09
2047	609893.1	4170732	3.16E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.70E-09	3.87E-09	1.40E-09	5.27E-09
2048	609893.2	4170723	3.21E-08	1.43E-08	4.63E-08	5.33E-09	2.49E-09	7.82E-09	3.93E-09	1.42E-09	5.35E-09
2049	609893.3	4170713	3.25E-08	1.45E-08	4.70E-08	5.40E-09	2.53E-09	7.93E-09	3.99E-09	1.44E-09	5.43E-09
2050	609893.5	4170704	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.56E-09	8.02E-09	4.03E-09	1.46E-09	5.49E-09
2051	609893.6	4170694	3.32E-08	1.48E-08	4.79E-08	5.51E-09	2.58E-09	8.09E-09	4.07E-09	1.47E-09	5.54E-09
2052	609893.8	4170685	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.12E-09	4.08E-09	1.48E-09	5.56E-09
2053	609893.9	4170676	3.34E-08	1.49E-08	4.83E-08	5.55E-09	2.60E-09	8.14E-09	4.10E-09	1.48E-09	5.58E-09
2054	609894.1	4170666	3.35E-08	1.49E-08	4.84E-08	5.56E-09	2.60E-09	8.16E-09	4.10E-09	1.49E-09	5.59E-09
2055	609894.2	4170657	3.35E-08	1.49E-08	4.84E-08	5.56E-09	2.60E-09	8.16E-09	4.10E-09	1.49E-09	5.59E-09
2056	609894.3	4170647	3.34E-08	1.48E-08	4.82E-08	5.54E-09	2.59E-09	8.13E-09	4.09E-09	1.48E-09	5.57E-09
2057	609894.5	4170638	3.32E-08	1.48E-08	4.79E-08	5.51E-09	2.58E-09	8.08E-09	4.07E-09	1.47E-09	5.54E-09
2058	609894.6	4170628	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.55E-09	8.01E-09	4.03E-09	1.46E-09	5.49E-09
2059	609899.5	4170741	3.01E-08	1.34E-08	4.34E-08	4.99E-09	2.34E-09	7.33E-09	3.69E-09	1.33E-09	5.02E-09
2060	609895.9	4170749	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.03E-09
2061	609892.3	4170758	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.33E-09	3.69E-09	1.34E-09	5.02E-09
2062	609888.7	4170766	3.00E-08	1.34E-08	4.34E-08	4.99E-09	2.33E-09	7.32E-09	3.68E-09	1.33E-09	5.01E-09
2063	609885.1	4170774	2.99E-08	1.33E-08	4.32E-08	4.97E-09	2.32E-09	7.29E-09	3.67E-09	1.33E-09	5.00E-09
2064	609881.5	4170783	2.98E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.26E-09	3.65E-09	1.32E-09	4.97E-09
2065	609877.9	4170791	2.96E-08	1.32E-08	4.27E-08	4.91E-09	2.30E-09	7.21E-09	3.63E-09	1.31E-09	4.94E-09
2066	609874.3	4170799	2.93E-08	1.31E-08	4.24E-08	4.88E-09	2.28E-09	7.16E-09	3.60E-09	1.30E-09	4.90E-09
2067	609870.7	4170808	2.91E-08	1.29E-08	4.20E-08	4.83E-09	2.26E-09	7.09E-09	3.57E-09	1.29E-09	4.86E-09
2068	609867.1	4170816	2.88E-08	1.28E-08	4.16E-08	4.78E-09	2.24E-09	7.02E-09	3.53E-09	1.28E-09	4.81E-09

2069	609859.9	4170833	2.81E-08	1.25E-08	4.06E-08	4.66E-09	2.18E-09	6.84E-09	3.44E-09	1.25E-09	4.69E-09
2070	609856.3	4170841	2.77E-08	1.23E-08	4.00E-08	4.60E-09	2.15E-09	6.75E-09	3.39E-09	1.23E-09	4.62E-09
2071	609852.7	4170850	2.73E-08	1.21E-08	3.94E-08	4.53E-09	2.12E-09	6.65E-09	3.34E-09	1.21E-09	4.55E-09
2072	609849.1	4170858	2.68E-08	1.19E-08	3.88E-08	4.45E-09	2.08E-09	6.54E-09	3.29E-09	1.19E-09	4.48E-09
2073	609845.5	4170867	2.63E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.42E-09	3.23E-09	1.17E-09	4.40E-09
2074	609841.9	4170875	2.59E-08	1.15E-08	3.74E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.32E-09
2075	609838.3	4170883	2.53E-08	1.13E-08	3.66E-08	4.21E-09	1.97E-09	6.18E-09	3.11E-09	1.12E-09	4.23E-09
2076	609834.7	4170892	2.48E-08	1.10E-08	3.59E-08	4.12E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.14E-09
2077	609827.5	4170909	2.37E-08	1.06E-08	3.43E-08	3.94E-09	1.84E-09	5.78E-09	2.91E-09	1.05E-09	3.96E-09
2078	609823.9	4170917	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
2079	609820.3	4170925	2.26E-08	1.01E-08	3.27E-08	3.75E-09	1.76E-09	5.51E-09	2.77E-09	1.00E-09	3.77E-09
2080	609816.7	4170934	2.20E-08	9.80E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.78E-10	3.68E-09
2081	609804.7	4170945	2.16E-08	9.62E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.59E-10	3.61E-09
2082	609796.2	4170949	2.18E-08	9.68E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.67E-09	9.66E-10	3.63E-09
2083	609787.8	4170952	2.19E-08	9.73E-09	3.16E-08	3.63E-09	1.70E-09	5.33E-09	2.68E-09	9.71E-10	3.65E-09
2084	609779.3	4170956	2.20E-08	9.77E-09	3.17E-08	3.65E-09	1.71E-09	5.35E-09	2.69E-09	9.75E-10	3.67E-09
2085	609770.9	4170959	2.20E-08	9.80E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.77E-10	3.68E-09
2086	609762.4	4170963	2.20E-08	9.81E-09	3.19E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.78E-10	3.68E-09
2087	609753.9	4170966	2.20E-08	9.81E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.78E-10	3.68E-09
2088	609745.5	4170970	2.20E-08	9.79E-09	3.18E-08	3.65E-09	1.71E-09	5.36E-09	2.70E-09	9.77E-10	3.67E-09
2089	609737	4170973	2.19E-08	9.76E-09	3.17E-08	3.64E-09	1.70E-09	5.35E-09	2.69E-09	9.73E-10	3.66E-09
2090	609728.6	4170976	2.18E-08	9.71E-09	3.15E-08	3.63E-09	1.70E-09	5.32E-09	2.68E-09	9.69E-10	3.64E-09
2091	609720.1	4170980	2.17E-08	9.65E-09	3.13E-08	3.60E-09	1.69E-09	5.29E-09	2.66E-09	9.63E-10	3.62E-09
2092	609711.7	4170983	2.15E-08	9.57E-09	3.11E-08	3.57E-09	1.67E-09	5.25E-09	2.64E-09	9.55E-10	3.59E-09
2093	609703.2	4170987	2.13E-08	9.48E-09	3.08E-08	3.54E-09	1.66E-09	5.19E-09	2.61E-09	9.46E-10	3.56E-09
2094	609694.8	4170990	2.11E-08	9.37E-09	3.04E-08	3.50E-09	1.64E-09	5.14E-09	2.58E-09	9.35E-10	3.52E-09
2095	609686.3	4170994	2.08E-08	9.25E-09	3.00E-08	3.45E-09	1.61E-09	5.07E-09	2.55E-09	9.22E-10	3.47E-09
2096	609677.8	4170997	2.05E-08	9.11E-09	2.96E-08	3.40E-09	1.59E-09	4.99E-09	2.51E-09	9.09E-10	3.42E-09
2097	609669.4	4171000	2.01E-08	8.96E-09	2.91E-08	3.34E-09	1.56E-09	4.91E-09	2.47E-09	8.94E-10	3.36E-09
2098	609660.9	4171004	1.98E-08	8.79E-09	2.86E-08	3.28E-09	1.54E-09	4.82E-09	2.42E-09	8.77E-10	3.30E-09
2099	609652.5	4171007	1.94E-08	8.62E-09	2.80E-08	3.22E-09	1.50E-09	4.72E-09	2.37E-09	8.59E-10	3.23E-09
2100	609644	4171011	1.89E-08	8.43E-09	2.74E-08	3.15E-09	1.47E-09	4.62E-09	2.32E-09	8.40E-10	3.16E-09
2101	609635.6	4171014	1.85E-08	8.23E-09	2.67E-08	3.07E-09	1.44E-09	4.51E-09	2.27E-09	8.21E-10	3.09E-09
2102	609627.1	4171018	1.80E-08	8.02E-09	2.60E-08	2.99E-09	1.40E-09	4.39E-09	2.21E-09	8.00E-10	3.01E-09
2103	609903.1	4170732	3.00E-08	1.33E-08	4.33E-08	4.98E-09	2.33E-09	7.30E-09	3.67E-09	1.33E-09	5.00E-09
2104	609903.2	4170723	3.04E-08	1.35E-08	4.39E-08	5.05E-09	2.36E-09	7.41E-09	3.73E-09	1.35E-09	5.08E-09
2105	609903.3	4170713	3.08E-08	1.37E-08	4.45E-08	5.12E-09	2.39E-09	7.51E-09	3.78E-09	1.37E-09	5.15E-09
2106	609903.5	4170704	3.12E-08	1.39E-08	4.50E-08	5.18E-09	2.42E-09	7.60E-09	3.82E-09	1.38E-09	5.20E-09
2107	609903.6	4170695	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.65E-09	3.85E-09	1.39E-09	5.24E-09
2108	609903.8	4170685	3.16E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.70E-09	3.87E-09	1.40E-09	5.27E-09
2109	609903.9	4170676	3.17E-08	1.41E-08	4.58E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.41E-09	5.29E-09
2110	609904.1	4170666	3.18E-08	1.41E-08	4.59E-08	5.27E-09	2.47E-09	7.74E-09	3.89E-09	1.41E-09	5.30E-09
2111	609904.2	4170657	3.17E-08	1.41E-08	4.59E-08	5.27E-09	2.47E-09	7.74E-09	3.89E-09	1.41E-09	5.30E-09
2112	609904.3	4170647	3.17E-08	1.41E-08	4.58E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.41E-09	5.29E-09
2113	609904.5	4170638	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.68E-09	3.86E-09	1.40E-09	5.26E-09
2114	609904.6	4170629	3.12E-08	1.39E-08	4.51E-08	5.19E-09	2.43E-09	7.61E-09	3.83E-09	1.39E-09	5.21E-09
2115	609909.3	4170741	2.85E-08	1.27E-08	4.12E-08	4.74E-09	2.22E-09	6.96E-09	3.50E-09	1.27E-09	4.77E-09
2116	609905.6	4170750	2.86E-08	1.27E-08	4.14E-08	4.76E-09	2.22E-09	6.98E-09	3.51E-09	1.27E-09	4.78E-09
2117	609901.9	4170759	2.86E-08	1.27E-08	4.14E-08	4.75E-09	2.22E-09	6.98E-09	3.51E-09	1.27E-09	4.78E-09
2118	609898.2	4170767	2.86E-08	1.27E-08	4.13E-08	4.74E-09	2.22E-09	6.96E-09	3.50E-09	1.27E-09	4.77E-09
2119	609894.5	4170776	2.85E-08	1.27E-08	4.11E-08	4.73E-09	2.21E-09	6.94E-09	3.49E-09	1.26E-09	4.75E-09
2120	609890.8	4170785	2.83E-08	1.26E-08	4.09E-08	4.71E-09	2.20E-09	6.91E-09	3.47E-09	1.26E-09	4.73E-09
2121	609887	4170793	2.82E-08	1.25E-08	4.07E-08	4.68E-09	2.19E-09	6.86E-09	3.45E-09	1.25E-09	4.70E-09
2122	609883.3	4170802	2.79E-08	1.24E-08	4.04E-08	4.64E-09	2.17E-09	6.81E-09	3.43E-09	1.24E-09	4.67E-09
2123	609879.6	4170811	2.77E-08	1.23E-08	4.00E-08	4.60E-09	2.15E-09	6.75E-09	3.39E-09	1.23E-09	4.62E-09
2124	609875.9	4170819	2.74E-08	1.22E-08	3.96E-08	4.55E-09	2.13E-09	6.68E-09	3.36E-09	1.22E-09	4.58E-09

2125	609872.2	4170828	2.71E-08	1.21E-08	3.91E-08	4.50E-09	2.10E-09	6.60E-09	3.32E-09	1.20E-09	4.52E-09
2126	609868.5	4170837	2.67E-08	1.19E-08	3.86E-08	4.44E-09	2.08E-09	6.52E-09	3.28E-09	1.19E-09	4.46E-09
2127	609864.7	4170845	2.64E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.43E-09	3.23E-09	1.17E-09	4.40E-09
2128	609861	4170854	2.60E-08	1.16E-08	3.75E-08	4.31E-09	2.02E-09	6.33E-09	3.18E-09	1.15E-09	4.34E-09
2129	609857.3	4170863	2.55E-08	1.14E-08	3.69E-08	4.24E-09	1.98E-09	6.22E-09	3.13E-09	1.13E-09	4.26E-09
2130	609853.6	4170871	2.51E-08	1.12E-08	3.62E-08	4.17E-09	1.95E-09	6.11E-09	3.08E-09	1.11E-09	4.19E-09
2131	609849.9	4170880	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
2132	609846.2	4170889	2.41E-08	1.07E-08	3.49E-08	4.01E-09	1.87E-09	5.88E-09	2.96E-09	1.07E-09	4.03E-09
2133	609842.4	4170897	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.84E-09	5.76E-09	2.90E-09	1.05E-09	3.94E-09
2134	609838.7	4170906	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.63E-09	2.83E-09	1.03E-09	3.86E-09
2135	609835	4170915	2.26E-08	1.01E-08	3.26E-08	3.75E-09	1.75E-09	5.51E-09	2.77E-09	1.00E-09	3.77E-09
2136	609831.3	4170923	2.20E-08	9.81E-09	3.19E-08	3.66E-09	1.71E-09	5.38E-09	2.70E-09	9.79E-10	3.68E-09
2137	609827.6	4170932	2.15E-08	9.57E-09	3.11E-08	3.57E-09	1.67E-09	5.24E-09	2.64E-09	9.54E-10	3.59E-09
2138	609823.9	4170941	2.10E-08	9.33E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.30E-10	3.50E-09
2139	609811.4	4170953	2.06E-08	9.15E-09	2.97E-08	3.42E-09	1.60E-09	5.01E-09	2.52E-09	9.13E-10	3.43E-09
2140	609802.7	4170956	2.07E-08	9.21E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.19E-10	3.46E-09
2141	609793.9	4170960	2.08E-08	9.26E-09	3.01E-08	3.46E-09	1.62E-09	5.07E-09	2.55E-09	9.23E-10	3.47E-09
2142	609785.2	4170963	2.09E-08	9.30E-09	3.02E-08	3.47E-09	1.62E-09	5.09E-09	2.56E-09	9.27E-10	3.49E-09
2143	609776.5	4170967	2.09E-08	9.32E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.29E-10	3.50E-09
2144	609767.7	4170970	2.10E-08	9.33E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.30E-10	3.50E-09
2145	609759	4170974	2.10E-08	9.33E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.30E-10	3.50E-09
2146	609750.2	4170978	2.09E-08	9.31E-09	3.02E-08	3.47E-09	1.63E-09	5.10E-09	2.56E-09	9.28E-10	3.49E-09
2147	609741.5	4170981	2.08E-08	9.28E-09	3.01E-08	3.46E-09	1.62E-09	5.08E-09	2.56E-09	9.25E-10	3.48E-09
2148	609732.8	4170985	2.07E-08	9.23E-09	3.00E-08	3.45E-09	1.61E-09	5.06E-09	2.54E-09	9.21E-10	3.46E-09
2149	609724	4170988	2.06E-08	9.17E-09	2.98E-08	3.42E-09	1.60E-09	5.02E-09	2.53E-09	9.15E-10	3.44E-09
2150	609715.3	4170992	2.04E-08	9.09E-09	2.95E-08	3.39E-09	1.59E-09	4.98E-09	2.51E-09	9.07E-10	3.41E-09
2151	609706.5	4170995	2.02E-08	9.00E-09	2.92E-08	3.36E-09	1.57E-09	4.93E-09	2.48E-09	8.98E-10	3.38E-09
2152	609697.8	4170999	2.00E-08	8.90E-09	2.89E-08	3.32E-09	1.55E-09	4.87E-09	2.45E-09	8.87E-10	3.34E-09
2153	609689.1	4171002	1.97E-08	8.78E-09	2.85E-08	3.28E-09	1.53E-09	4.81E-09	2.42E-09	8.75E-10	3.29E-09
2154	609680.3	4171006	1.94E-08	8.64E-09	2.81E-08	3.23E-09	1.51E-09	4.73E-09	2.38E-09	8.62E-10	3.24E-09
2155	609671.6	4171009	1.91E-08	8.49E-09	2.76E-08	3.17E-09	1.48E-09	4.65E-09	2.34E-09	8.47E-10	3.19E-09
2156	609662.9	4171013	1.87E-08	8.33E-09	2.71E-08	3.11E-09	1.45E-09	4.56E-09	2.30E-09	8.31E-10	3.13E-09
2157	609654.1	4171017	1.83E-08	8.16E-09	2.65E-08	3.05E-09	1.42E-09	4.47E-09	2.25E-09	8.14E-10	3.06E-09
2158	609645.4	4171020	1.79E-08	7.98E-09	2.59E-08	2.98E-09	1.39E-09	4.37E-09	2.20E-09	7.95E-10	2.99E-09
2159	609913.1	4170733	2.84E-08	1.26E-08	4.11E-08	4.72E-09	2.21E-09	6.93E-09	3.48E-09	1.26E-09	4.74E-09
2160	609913.2	4170723	2.88E-08	1.28E-08	4.17E-08	4.79E-09	2.24E-09	7.03E-09	3.53E-09	1.28E-09	4.81E-09
2161	609913.3	4170714	2.92E-08	1.30E-08	4.22E-08	4.85E-09	2.27E-09	7.12E-09	3.58E-09	1.30E-09	4.88E-09
2162	609913.5	4170704	2.95E-08	1.31E-08	4.27E-08	4.90E-09	2.29E-09	7.20E-09	3.62E-09	1.31E-09	4.93E-09
2163	609913.6	4170695	2.98E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.26E-09	3.65E-09	1.32E-09	4.97E-09
2164	609913.8	4170685	3.00E-08	1.33E-08	4.33E-08	4.98E-09	2.33E-09	7.30E-09	3.67E-09	1.33E-09	5.00E-09
2165	609913.9	4170676	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.33E-09	3.69E-09	1.33E-09	5.02E-09
2166	609914.1	4170666	3.02E-08	1.34E-08	4.36E-08	5.01E-09	2.34E-09	7.35E-09	3.70E-09	1.34E-09	5.04E-09
2167	609914.2	4170657	3.02E-08	1.34E-08	4.36E-08	5.01E-09	2.34E-09	7.35E-09	3.70E-09	1.34E-09	5.04E-09
2168	609914.3	4170648	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.03E-09
2169	609914.5	4170638	2.99E-08	1.33E-08	4.33E-08	4.97E-09	2.33E-09	7.30E-09	3.67E-09	1.33E-09	5.00E-09
2170	609914.6	4170629	2.97E-08	1.32E-08	4.29E-08	4.94E-09	2.31E-09	7.24E-09	3.64E-09	1.32E-09	4.96E-09
2171	609691.1	4170600	1.14E-07	5.06E-08	1.64E-07	1.89E-08	8.84E-09	2.77E-08	1.39E-08	5.05E-09	1.90E-08
2172	609700.6	4170597	1.02E-07	4.55E-08	1.48E-07	1.70E-08	7.95E-09	2.49E-08	1.25E-08	4.54E-09	1.71E-08
2173	609710.2	4170594	9.26E-08	4.12E-08	1.34E-07	1.54E-08	7.19E-09	2.26E-08	1.14E-08	4.11E-09	1.55E-08
2174	609719.7	4170592	8.42E-08	3.75E-08	1.22E-07	1.40E-08	6.55E-09	2.05E-08	1.03E-08	3.74E-09	1.41E-08
2175	609729.3	4170589	7.69E-08	3.42E-08	1.11E-07	1.28E-08	5.97E-09	1.87E-08	9.43E-09	3.41E-09	1.28E-08
2176	609730.9	4170600	8.33E-08	3.71E-08	1.20E-07	1.38E-08	6.47E-09	2.03E-08	1.02E-08	3.70E-09	1.39E-08
2177	609738.9	4170586	7.04E-08	3.13E-08	1.02E-07	1.17E-08	5.47E-09	1.72E-08	8.63E-09	3.13E-09	1.18E-08
2178	609740.5	4170597	7.61E-08	3.39E-08	1.10E-07	1.26E-08	5.91E-09	1.86E-08	9.33E-09	3.38E-09	1.27E-08
2179	609748.4	4170583	6.49E-08	2.89E-08	9.37E-08	1.08E-08	5.04E-09	1.58E-08	7.95E-09	2.88E-09	1.08E-08
2180	609750.1	4170594	6.99E-08	3.11E-08	1.01E-07	1.16E-08	5.43E-09	1.70E-08	8.56E-09	3.10E-09	1.17E-08

2181	609758	4170580	6.00E-08	2.67E-08	8.67E-08	9.97E-09	4.66E-09	1.46E-08	7.36E-09	2.66E-09	1.00E-08
2182	609759.6	4170591	6.44E-08	2.87E-08	9.31E-08	1.07E-08	5.00E-09	1.57E-08	7.90E-09	2.86E-09	1.08E-08
2183	609767.5	4170577	5.57E-08	2.48E-08	8.05E-08	9.25E-09	4.33E-09	1.36E-08	6.83E-09	2.47E-09	9.30E-09
2184	609769.2	4170589	5.96E-08	2.65E-08	8.61E-08	9.90E-09	4.63E-09	1.45E-08	7.30E-09	2.64E-09	9.95E-09
2185	609770.9	4170600	6.30E-08	2.81E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
2186	609777.1	4170574	5.19E-08	2.31E-08	7.50E-08	8.62E-09	4.03E-09	1.26E-08	6.36E-09	2.30E-09	8.66E-09
2187	609778.8	4170586	5.53E-08	2.46E-08	8.00E-08	9.19E-09	4.30E-09	1.35E-08	6.78E-09	2.46E-09	9.24E-09
2188	609780.4	4170597	5.84E-08	2.60E-08	8.44E-08	9.70E-09	4.54E-09	1.42E-08	7.16E-09	2.59E-09	9.75E-09
2189	609786.7	4170571	4.84E-08	2.16E-08	7.00E-08	8.04E-09	3.76E-09	1.18E-08	5.94E-09	2.15E-09	8.09E-09
2190	609788.3	4170583	5.15E-08	2.29E-08	7.45E-08	8.56E-09	4.00E-09	1.26E-08	6.32E-09	2.29E-09	8.60E-09
2191	609790	4170595	5.43E-08	2.42E-08	7.85E-08	9.02E-09	4.22E-09	1.32E-08	6.66E-09	2.41E-09	9.07E-09
2192	609796.2	4170568	4.53E-08	2.02E-08	6.55E-08	7.53E-09	3.52E-09	1.10E-08	5.56E-09	2.01E-09	7.57E-09
2193	609797.5	4170577	4.74E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.92E-09
2194	609799.2	4170589	5.00E-08	2.23E-08	7.23E-08	8.31E-09	3.89E-09	1.22E-08	6.13E-09	2.22E-09	8.35E-09
2195	609800.8	4170601	5.22E-08	2.33E-08	7.55E-08	8.68E-09	4.06E-09	1.27E-08	6.41E-09	2.32E-09	8.72E-09
2196	609805.8	4170565	4.25E-08	1.89E-08	6.14E-08	7.06E-09	3.30E-09	1.04E-08	5.21E-09	1.89E-09	7.10E-09
2197	609807.5	4170577	4.50E-08	2.00E-08	6.51E-08	7.48E-09	3.50E-09	1.10E-08	5.52E-09	2.00E-09	7.52E-09
2198	609809.1	4170589	4.73E-08	2.11E-08	6.84E-08	7.86E-09	3.68E-09	1.15E-08	5.80E-09	2.10E-09	7.90E-09
2199	609810.4	4170598	4.88E-08	2.17E-08	7.05E-08	8.10E-09	3.79E-09	1.19E-08	5.98E-09	2.17E-09	8.15E-09
2200	609815.3	4170562	4.00E-08	1.78E-08	5.78E-08	6.64E-09	3.11E-09	9.74E-09	4.90E-09	1.77E-09	6.67E-09
2201	609817	4170574	4.23E-08	1.88E-08	6.11E-08	7.02E-09	3.28E-09	1.03E-08	5.18E-09	1.88E-09	7.06E-09
2202	609818.3	4170583	4.38E-08	1.95E-08	6.33E-08	7.28E-09	3.41E-09	1.07E-08	5.37E-09	1.95E-09	7.32E-09
2203	609820	4170595	4.57E-08	2.03E-08	6.60E-08	7.59E-09	3.55E-09	1.11E-08	5.60E-09	2.03E-09	7.63E-09
2204	609824.9	4170559	3.76E-08	1.68E-08	5.44E-08	6.25E-09	2.93E-09	9.18E-09	4.62E-09	1.67E-09	6.29E-09
2205	609826.2	4170568	3.92E-08	1.75E-08	5.67E-08	6.52E-09	3.05E-09	9.57E-09	4.81E-09	1.74E-09	6.55E-09
2206	609827.9	4170580	4.12E-08	1.83E-08	5.95E-08	6.84E-09	3.20E-09	1.00E-08	5.05E-09	1.83E-09	6.87E-09
2207	609829.1	4170589	4.24E-08	1.89E-08	6.13E-08	7.05E-09	3.30E-09	1.03E-08	5.20E-09	1.88E-09	7.09E-09
2208	609830.8	4170601	4.39E-08	1.95E-08	6.34E-08	7.29E-09	3.41E-09	1.07E-08	5.38E-09	1.95E-09	7.33E-09
2209	609834.4	4170556	3.55E-08	1.58E-08	5.13E-08	5.90E-09	2.76E-09	8.66E-09	4.36E-09	1.58E-09	5.93E-09
2210	609835.7	4170565	3.70E-08	1.65E-08	5.34E-08	6.14E-09	2.87E-09	9.01E-09	4.53E-09	1.64E-09	6.17E-09
2211	609837	4170574	3.83E-08	1.71E-08	5.54E-08	6.36E-09	2.98E-09	9.34E-09	4.70E-09	1.70E-09	6.40E-09
2212	609838.7	4170586	3.99E-08	1.78E-08	5.77E-08	6.63E-09	3.10E-09	9.73E-09	4.89E-09	1.77E-09	6.67E-09
2213	609840	4170595	4.09E-08	1.82E-08	5.92E-08	6.80E-09	3.18E-09	9.98E-09	5.02E-09	1.82E-09	6.84E-09
2214	609844	4170553	3.35E-08	1.49E-08	4.84E-08	5.57E-09	2.61E-09	8.17E-09	4.11E-09	1.49E-09	5.60E-09
2215	609845.7	4170565	3.53E-08	1.57E-08	5.10E-08	5.86E-09	2.74E-09	8.60E-09	4.33E-09	1.57E-09	5.89E-09
2216	609847	4170574	3.65E-08	1.62E-08	5.28E-08	6.06E-09	2.84E-09	8.90E-09	4.48E-09	1.62E-09	6.10E-09
2217	609848.3	4170583	3.76E-08	1.67E-08	5.43E-08	6.25E-09	2.92E-09	9.17E-09	4.61E-09	1.67E-09	6.28E-09
2218	609850	4170595	3.88E-08	1.73E-08	5.61E-08	6.45E-09	3.02E-09	9.47E-09	4.76E-09	1.72E-09	6.49E-09
2219	609853.6	4170550	3.17E-08	1.41E-08	4.58E-08	5.27E-09	2.46E-09	7.73E-09	3.89E-09	1.41E-09	5.29E-09
2220	609854.8	4170559	3.29E-08	1.47E-08	4.76E-08	5.47E-09	2.56E-09	8.03E-09	4.04E-09	1.46E-09	5.50E-09
2221	609856.5	4170571	3.45E-08	1.53E-08	4.98E-08	5.72E-09	2.68E-09	8.40E-09	4.22E-09	1.53E-09	5.75E-09
2222	609857.8	4170580	3.55E-08	1.58E-08	5.13E-08	5.89E-09	2.76E-09	8.65E-09	4.35E-09	1.57E-09	5.93E-09
2223	609859.1	4170589	3.64E-08	1.62E-08	5.26E-08	6.04E-09	2.83E-09	8.87E-09	4.46E-09	1.61E-09	6.08E-09
2224	609860.4	4170598	3.71E-08	1.65E-08	5.36E-08	6.17E-09	2.88E-09	9.05E-09	4.55E-09	1.65E-09	6.20E-09
2225	609863.1	4170548	3.00E-08	1.34E-08	4.34E-08	4.99E-09	2.33E-09	7.32E-09	3.68E-09	1.33E-09	5.01E-09
2226	609864.4	4170556	3.11E-08	1.39E-08	4.50E-08	5.17E-09	2.42E-09	7.59E-09	3.82E-09	1.38E-09	5.20E-09
2227	609865.7	4170565	3.22E-08	1.43E-08	4.66E-08	5.35E-09	2.50E-09	7.86E-09	3.95E-09	1.43E-09	5.38E-09
2228	609867.4	4170577	3.35E-08	1.49E-08	4.85E-08	5.57E-09	2.61E-09	8.18E-09	4.11E-09	1.49E-09	5.60E-09
2229	609868.7	4170586	3.44E-08	1.53E-08	4.97E-08	5.71E-09	2.67E-09	8.38E-09	4.22E-09	1.53E-09	5.74E-09
2230	609869.9	4170595	3.51E-08	1.56E-08	5.07E-08	5.83E-09	2.73E-09	8.55E-09	4.30E-09	1.56E-09	5.86E-09
2231	609872.7	4170545	2.85E-08	1.27E-08	4.12E-08	4.74E-09	2.22E-09	6.95E-09	3.50E-09	1.27E-09	4.76E-09
2232	609874	4170554	2.95E-08	1.32E-08	4.27E-08	4.91E-09	2.30E-09	7.20E-09	3.62E-09	1.31E-09	4.93E-09
2233	609875.2	4170563	3.05E-08	1.36E-08	4.41E-08	5.07E-09	2.37E-09	7.45E-09	3.74E-09	1.36E-09	5.10E-09
2234	609876.5	4170571	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.44E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
2235	609877.8	4170580	3.23E-08	1.44E-08	4.67E-08	5.36E-09	2.51E-09	7.87E-09	3.96E-09	1.43E-09	5.39E-09
2236	609879.1	4170589	3.30E-08	1.47E-08	4.77E-08	5.48E-09	2.56E-09	8.04E-09	4.05E-09	1.46E-09	5.51E-09

2237	609880.8	4170601	3.37E-08	1.50E-08	4.87E-08	5.60E-09	2.62E-09	8.22E-09	4.13E-09	1.50E-09	5.63E-09
2238	609882.2	4170542	2.71E-08	1.21E-08	3.92E-08	4.51E-09	2.11E-09	6.61E-09	3.33E-09	1.20E-09	4.53E-09
2239	609883.9	4170554	2.84E-08	1.26E-08	4.10E-08	4.72E-09	2.21E-09	6.92E-09	3.48E-09	1.26E-09	4.74E-09
2240	609885.2	4170563	2.93E-08	1.30E-08	4.23E-08	4.86E-09	2.28E-09	7.14E-09	3.59E-09	1.30E-09	4.89E-09
2241	609886.5	4170572	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.03E-09
2242	609887.8	4170581	3.08E-08	1.37E-08	4.46E-08	5.12E-09	2.40E-09	7.52E-09	3.78E-09	1.37E-09	5.15E-09
2243	609889.1	4170589	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
2244	609890.4	4170598	3.20E-08	1.42E-08	4.62E-08	5.31E-09	2.48E-09	7.79E-09	3.92E-09	1.42E-09	5.34E-09
2245	609891.8	4170539	2.58E-08	1.15E-08	3.73E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.31E-09
2246	609893.4	4170550	2.70E-08	1.20E-08	3.90E-08	4.48E-09	2.10E-09	6.57E-09	3.31E-09	1.20E-09	4.50E-09
2247	609895.1	4170562	2.80E-08	1.25E-08	4.05E-08	4.65E-09	2.18E-09	6.83E-09	3.43E-09	1.24E-09	4.68E-09
2248	609896.8	4170573	2.90E-08	1.29E-08	4.18E-08	4.81E-09	2.25E-09	7.06E-09	3.55E-09	1.29E-09	4.84E-09
2249	609898.4	4170585	2.98E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.25E-09	3.65E-09	1.32E-09	4.97E-09
2250	609900.1	4170597	3.04E-08	1.35E-08	4.39E-08	5.04E-09	2.36E-09	7.40E-09	3.72E-09	1.35E-09	5.07E-09
2251	609901.3	4170536	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.01E-09	3.02E-09	1.09E-09	4.12E-09
2252	609903	4170547	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
2253	609904.7	4170559	2.67E-08	1.19E-08	3.85E-08	4.43E-09	2.07E-09	6.50E-09	3.27E-09	1.18E-09	4.45E-09
2254	609906.3	4170571	2.75E-08	1.22E-08	3.98E-08	4.57E-09	2.14E-09	6.71E-09	3.37E-09	1.22E-09	4.59E-09
2255	609908	4170582	2.82E-08	1.26E-08	4.08E-08	4.69E-09	2.19E-09	6.89E-09	3.46E-09	1.25E-09	4.72E-09
2256	609909.6	4170594	2.88E-08	1.28E-08	4.17E-08	4.79E-09	2.24E-09	7.03E-09	3.53E-09	1.28E-09	4.81E-09
2257	609647.8	4170598	1.59E-07	7.07E-08	2.30E-07	2.64E-08	1.23E-08	3.87E-08	1.95E-08	7.05E-09	2.65E-08
2258	609656.5	4170593	1.36E-07	6.07E-08	1.97E-07	2.27E-08	1.06E-08	3.33E-08	1.67E-08	6.06E-09	2.28E-08
2259	609665.2	4170588	1.19E-07	5.28E-08	1.72E-07	1.97E-08	9.22E-09	2.89E-08	1.46E-08	5.27E-09	1.98E-08
2260	609673.9	4170583	1.04E-07	4.64E-08	1.51E-07	1.73E-08	8.11E-09	2.54E-08	1.28E-08	4.63E-09	1.74E-08
2261	609678.1	4170593	1.15E-07	5.13E-08	1.67E-07	1.92E-08	8.96E-09	2.81E-08	1.41E-08	5.12E-09	1.93E-08
2262	609682.7	4170578	9.26E-08	4.12E-08	1.34E-07	1.54E-08	7.19E-09	2.26E-08	1.14E-08	4.11E-09	1.55E-08
2263	609686.9	4170588	1.02E-07	4.54E-08	1.48E-07	1.70E-08	7.93E-09	2.49E-08	1.25E-08	4.53E-09	1.70E-08
2264	609691.3	4170573	8.26E-08	3.68E-08	1.19E-07	1.37E-08	6.42E-09	2.01E-08	1.01E-08	3.67E-09	1.38E-08
2265	609695.3	4170582	9.03E-08	4.02E-08	1.30E-07	1.50E-08	7.02E-09	2.20E-08	1.11E-08	4.01E-09	1.51E-08
2266	609700	4170568	7.43E-08	3.30E-08	1.07E-07	1.23E-08	5.77E-09	1.81E-08	9.10E-09	3.30E-09	1.24E-08
2267	609704.1	4170578	8.11E-08	3.61E-08	1.17E-07	1.35E-08	6.30E-09	1.98E-08	9.95E-09	3.60E-09	1.35E-08
2268	609708.7	4170563	6.69E-08	2.98E-08	9.67E-08	1.11E-08	5.20E-09	1.63E-08	8.21E-09	2.97E-09	1.12E-08
2269	609712.9	4170573	7.31E-08	3.25E-08	1.06E-07	1.21E-08	5.68E-09	1.78E-08	8.97E-09	3.25E-09	1.22E-08
2270	609717.1	4170583	7.89E-08	3.51E-08	1.14E-07	1.31E-08	6.13E-09	1.92E-08	9.67E-09	3.50E-09	1.32E-08
2271	609717.4	4170558	6.07E-08	2.70E-08	8.77E-08	1.01E-08	4.71E-09	1.48E-08	7.44E-09	2.69E-09	1.01E-08
2272	609721.6	4170568	6.62E-08	2.95E-08	9.57E-08	1.10E-08	5.15E-09	1.61E-08	8.12E-09	2.94E-09	1.11E-08
2273	609725.9	4170578	7.14E-08	3.18E-08	1.03E-07	1.19E-08	5.54E-09	1.74E-08	8.75E-09	3.17E-09	1.19E-08
2274	609726	4170553	5.54E-08	2.46E-08	8.00E-08	9.20E-09	4.30E-09	1.35E-08	6.79E-09	2.46E-09	9.25E-09
2275	609730.1	4170563	6.00E-08	2.67E-08	8.67E-08	9.97E-09	4.66E-09	1.46E-08	7.36E-09	2.66E-09	1.00E-08
2276	609734.2	4170572	6.44E-08	2.86E-08	9.30E-08	1.07E-08	5.00E-09	1.57E-08	7.89E-09	2.86E-09	1.07E-08
2277	609734.7	4170548	5.08E-08	2.26E-08	7.34E-08	8.44E-09	3.95E-09	1.24E-08	6.23E-09	2.26E-09	8.49E-09
2278	609738.9	4170558	5.50E-08	2.45E-08	7.94E-08	9.13E-09	4.27E-09	1.34E-08	6.74E-09	2.44E-09	9.18E-09
2279	609743	4170567	5.89E-08	2.62E-08	8.51E-08	9.78E-09	4.57E-09	1.44E-08	7.22E-09	2.61E-09	9.83E-09
2280	609743.4	4170543	4.68E-08	2.08E-08	6.77E-08	7.78E-09	3.64E-09	1.14E-08	5.74E-09	2.08E-09	7.82E-09
2281	609747.6	4170553	5.06E-08	2.25E-08	7.31E-08	8.40E-09	3.93E-09	1.23E-08	6.20E-09	2.24E-09	8.44E-09
2282	609751.8	4170563	5.41E-08	2.41E-08	7.82E-08	8.99E-09	4.20E-09	1.32E-08	6.63E-09	2.40E-09	9.04E-09
2283	609752.1	4170539	4.33E-08	1.93E-08	6.25E-08	7.19E-09	3.36E-09	1.06E-08	5.31E-09	1.92E-09	7.23E-09
2284	609756.4	4170548	4.67E-08	2.08E-08	6.74E-08	7.75E-09	3.63E-09	1.14E-08	5.72E-09	2.07E-09	7.79E-09
2285	609760.6	4170558	4.99E-08	2.22E-08	7.21E-08	8.29E-09	3.88E-09	1.22E-08	6.12E-09	2.22E-09	8.33E-09
2286	609764.8	4170568	5.29E-08	2.35E-08	7.64E-08	8.79E-09	4.11E-09	1.29E-08	6.49E-09	2.35E-09	8.83E-09
2287	609760.8	4170534	4.01E-08	1.79E-08	5.80E-08	6.67E-09	3.12E-09	9.78E-09	4.92E-09	1.78E-09	6.70E-09
2288	609765.1	4170543	4.32E-08	1.92E-08	6.25E-08	7.18E-09	3.36E-09	1.05E-08	5.30E-09	1.92E-09	7.22E-09
2289	609769.4	4170553	4.62E-08	2.06E-08	6.67E-08	7.67E-09	3.59E-09	1.13E-08	5.66E-09	2.05E-09	7.71E-09
2290	609773.7	4170563	4.89E-08	2.18E-08	7.07E-08	8.13E-09	3.80E-09	1.19E-08	6.00E-09	2.17E-09	8.17E-09
2291	609769.5	4170529	3.73E-08	1.66E-08	5.39E-08	6.19E-09	2.90E-09	9.09E-09	4.57E-09	1.66E-09	6.23E-09
2292	609773.6	4170538	4.00E-08	1.78E-08	5.78E-08	6.65E-09	3.11E-09	9.76E-09	4.91E-09	1.78E-09	6.68E-09

2293	609777.8	4170548	4.26E-08	1.90E-08	6.16E-08	7.08E-09	3.31E-09	1.04E-08	5.23E-09	1.89E-09	7.12E-09
2294	609781.9	4170557	4.51E-08	2.01E-08	6.51E-08	7.48E-09	3.50E-09	1.10E-08	5.52E-09	2.00E-09	7.52E-09
2295	609778.2	4170524	3.48E-08	1.55E-08	5.02E-08	5.78E-09	2.70E-09	8.48E-09	4.26E-09	1.54E-09	5.81E-09
2296	609782.4	4170533	3.73E-08	1.66E-08	5.39E-08	6.19E-09	2.90E-09	9.09E-09	4.57E-09	1.65E-09	6.22E-09
2297	609786.5	4170543	3.97E-08	1.77E-08	5.73E-08	6.59E-09	3.08E-09	9.67E-09	4.86E-09	1.76E-09	6.62E-09
2298	609790.7	4170553	4.19E-08	1.87E-08	6.06E-08	6.96E-09	3.26E-09	1.02E-08	5.14E-09	1.86E-09	7.00E-09
2299	609786.9	4170519	3.25E-08	1.45E-08	4.70E-08	5.40E-09	2.53E-09	7.92E-09	3.98E-09	1.44E-09	5.43E-09
2300	609791.1	4170528	3.48E-08	1.55E-08	5.03E-08	5.78E-09	2.70E-09	8.48E-09	4.27E-09	1.54E-09	5.81E-09
2301	609795.3	4170538	3.70E-08	1.65E-08	5.35E-08	6.15E-09	2.88E-09	9.02E-09	4.54E-09	1.64E-09	6.18E-09
2302	609799.5	4170548	3.91E-08	1.74E-08	5.65E-08	6.49E-09	3.04E-09	9.53E-09	4.79E-09	1.74E-09	6.53E-09
2303	609795.6	4170514	3.04E-08	1.35E-08	4.40E-08	5.06E-09	2.37E-09	7.42E-09	3.73E-09	1.35E-09	5.08E-09
2304	609799.8	4170524	3.26E-08	1.45E-08	4.71E-08	5.41E-09	2.53E-09	7.94E-09	3.99E-09	1.45E-09	5.44E-09
2305	609804.1	4170533	3.46E-08	1.54E-08	5.00E-08	5.75E-09	2.69E-09	8.44E-09	4.24E-09	1.54E-09	5.78E-09
2306	609808.3	4170543	3.65E-08	1.63E-08	5.28E-08	6.07E-09	2.84E-09	8.91E-09	4.48E-09	1.62E-09	6.10E-09
2307	609812.6	4170553	3.83E-08	1.70E-08	5.53E-08	6.36E-09	2.98E-09	9.34E-09	4.70E-09	1.70E-09	6.40E-09
2308	609804.2	4170509	2.86E-08	1.27E-08	4.13E-08	4.74E-09	2.22E-09	6.96E-09	3.50E-09	1.27E-09	4.77E-09
2309	609808.4	4170518	3.05E-08	1.36E-08	4.40E-08	5.06E-09	2.37E-09	7.43E-09	3.73E-09	1.35E-09	5.09E-09
2310	609812.5	4170528	3.23E-08	1.44E-08	4.67E-08	5.37E-09	2.51E-09	7.88E-09	3.96E-09	1.43E-09	5.39E-09
2311	609816.7	4170537	3.40E-08	1.52E-08	4.92E-08	5.66E-09	2.65E-09	8.30E-09	4.17E-09	1.51E-09	5.69E-09
2312	609820.8	4170547	3.56E-08	1.59E-08	5.15E-08	5.92E-09	2.77E-09	8.69E-09	4.37E-09	1.58E-09	5.95E-09
2313	609812.9	4170504	2.68E-08	1.19E-08	3.88E-08	4.46E-09	2.08E-09	6.54E-09	3.29E-09	1.19E-09	4.48E-09
2314	609817.1	4170513	2.86E-08	1.27E-08	4.13E-08	4.75E-09	2.22E-09	6.97E-09	3.51E-09	1.27E-09	4.78E-09
2315	609821.3	4170523	3.03E-08	1.35E-08	4.38E-08	5.04E-09	2.36E-09	7.40E-09	3.72E-09	1.35E-09	5.07E-09
2316	609825.5	4170533	3.20E-08	1.42E-08	4.62E-08	5.31E-09	2.48E-09	7.79E-09	3.92E-09	1.42E-09	5.34E-09
2317	609829.6	4170542	3.35E-08	1.49E-08	4.84E-08	5.56E-09	2.60E-09	8.16E-09	4.10E-09	1.49E-09	5.59E-09
2318	609821.6	4170499	2.52E-08	1.12E-08	3.64E-08	4.19E-09	1.96E-09	6.15E-09	3.09E-09	1.12E-09	4.21E-09
2319	609825.8	4170509	2.69E-08	1.20E-08	3.88E-08	4.47E-09	2.09E-09	6.55E-09	3.30E-09	1.19E-09	4.49E-09
2320	609830	4170518	2.85E-08	1.27E-08	4.12E-08	4.74E-09	2.22E-09	6.95E-09	3.50E-09	1.27E-09	4.76E-09
2321	609834.3	4170528	3.01E-08	1.34E-08	4.35E-08	4.99E-09	2.34E-09	7.33E-09	3.69E-09	1.33E-09	5.02E-09
2322	609838.5	4170538	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
2323	609830.3	4170494	2.37E-08	1.06E-08	3.43E-08	3.94E-09	1.85E-09	5.79E-09	2.91E-09	1.05E-09	3.97E-09
2324	609834.6	4170504	2.53E-08	1.13E-08	3.66E-08	4.20E-09	1.97E-09	6.17E-09	3.10E-09	1.12E-09	4.23E-09
2325	609838.8	4170514	2.68E-08	1.19E-08	3.88E-08	4.46E-09	2.09E-09	6.54E-09	3.29E-09	1.19E-09	4.48E-09
2326	609843	4170523	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.89E-09	3.47E-09	1.26E-09	4.72E-09
2327	609847.3	4170533	2.96E-08	1.32E-08	4.27E-08	4.91E-09	2.30E-09	7.21E-09	3.63E-09	1.31E-09	4.94E-09
2328	609839	4170489	2.24E-08	9.99E-09	3.24E-08	3.73E-09	1.74E-09	5.47E-09	2.75E-09	9.96E-10	3.75E-09
2329	609843.3	4170499	2.39E-08	1.06E-08	3.45E-08	3.97E-09	1.86E-09	5.82E-09	2.93E-09	1.06E-09	3.99E-09
2330	609847.5	4170509	2.53E-08	1.13E-08	3.66E-08	4.20E-09	1.97E-09	6.17E-09	3.10E-09	1.12E-09	4.23E-09
2331	609851.8	4170519	2.66E-08	1.19E-08	3.85E-08	4.43E-09	2.07E-09	6.50E-09	3.27E-09	1.18E-09	4.45E-09
2332	609856.1	4170528	2.79E-08	1.24E-08	4.03E-08	4.63E-09	2.17E-09	6.79E-09	3.42E-09	1.24E-09	4.65E-09
2333	609860.4	4170538	2.90E-08	1.29E-08	4.19E-08	4.81E-09	2.25E-09	7.06E-09	3.55E-09	1.29E-09	4.84E-09
2334	609847.7	4170484	2.13E-08	9.46E-09	3.07E-08	3.53E-09	1.65E-09	5.18E-09	2.61E-09	9.43E-10	3.55E-09
2335	609851.8	4170494	2.26E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.50E-09	2.77E-09	1.00E-09	3.77E-09
2336	609856	4170503	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
2337	609860.2	4170513	2.50E-08	1.11E-08	3.62E-08	4.16E-09	1.95E-09	6.11E-09	3.07E-09	1.11E-09	4.18E-09
2338	609864.4	4170523	2.62E-08	1.17E-08	3.78E-08	4.35E-09	2.03E-09	6.38E-09	3.21E-09	1.16E-09	4.37E-09
2339	609868.6	4170532	2.72E-08	1.21E-08	3.93E-08	4.52E-09	2.11E-09	6.64E-09	3.34E-09	1.21E-09	4.55E-09
2340	609856.4	4170479	2.02E-08	8.98E-09	2.91E-08	3.35E-09	1.57E-09	4.92E-09	2.47E-09	8.95E-10	3.37E-09
2341	609860.6	4170489	2.14E-08	9.52E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.49E-10	3.57E-09
2342	609864.8	4170498	2.26E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.50E-09	2.77E-09	1.00E-09	3.77E-09
2343	609869	4170508	2.37E-08	1.06E-08	3.43E-08	3.94E-09	1.84E-09	5.78E-09	2.91E-09	1.05E-09	3.96E-09
2344	609873.2	4170518	2.48E-08	1.10E-08	3.58E-08	4.12E-09	1.93E-09	6.04E-09	3.04E-09	1.10E-09	4.14E-09
2345	609877.4	4170528	2.58E-08	1.15E-08	3.72E-08	4.28E-09	2.00E-09	6.28E-09	3.16E-09	1.14E-09	4.30E-09
2346	609865	4170474	1.92E-08	8.53E-09	2.77E-08	3.18E-09	1.49E-09	4.67E-09	2.35E-09	8.51E-10	3.20E-09
2347	609869.3	4170484	2.03E-08	9.04E-09	2.93E-08	3.37E-09	1.58E-09	4.95E-09	2.49E-09	9.01E-10	3.39E-09
2348	609873.5	4170494	2.14E-08	9.54E-09	3.10E-08	3.56E-09	1.66E-09	5.22E-09	2.63E-09	9.51E-10	3.58E-09

2349	609877.8	4170503	2.25E-08	1.00E-08	3.25E-08	3.74E-09	1.75E-09	5.49E-09	2.76E-09	9.99E-10	3.76E-09
2350	609882	4170513	2.35E-08	1.05E-08	3.40E-08	3.91E-09	1.83E-09	5.73E-09	2.88E-09	1.04E-09	3.93E-09
2351	609886.2	4170523	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.08E-09	4.08E-09
2352	609873.7	4170469	1.82E-08	8.11E-09	2.63E-08	3.03E-09	1.42E-09	4.44E-09	2.24E-09	8.09E-10	3.04E-09
2353	609878	4170479	1.93E-08	8.59E-09	2.79E-08	3.21E-09	1.50E-09	4.71E-09	2.37E-09	8.57E-10	3.22E-09
2354	609882.3	4170489	2.04E-08	9.06E-09	2.94E-08	3.38E-09	1.58E-09	4.96E-09	2.50E-09	9.04E-10	3.40E-09
2355	609886.5	4170499	2.14E-08	9.51E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.49E-10	3.57E-09
2356	609890.8	4170509	2.23E-08	9.94E-09	3.23E-08	3.71E-09	1.73E-09	5.44E-09	2.74E-09	9.91E-10	3.73E-09
2357	609895.1	4170518	2.32E-08	1.03E-08	3.35E-08	3.86E-09	1.80E-09	5.66E-09	2.85E-09	1.03E-09	3.88E-09
2358	609622.8	4170597	1.93E-07	8.57E-08	2.78E-07	3.20E-08	1.50E-08	4.70E-08	2.36E-08	8.55E-09	3.22E-08
2359	609634.2	4170595	1.69E-07	7.52E-08	2.44E-07	2.81E-08	1.31E-08	4.12E-08	2.07E-08	7.50E-09	2.82E-08
2360	609641.5	4170588	1.40E-07	6.23E-08	2.02E-07	2.32E-08	1.09E-08	3.41E-08	1.72E-08	6.21E-09	2.34E-08
2361	609649.2	4170582	1.19E-07	5.30E-08	1.72E-07	1.98E-08	9.25E-09	2.90E-08	1.46E-08	5.28E-09	1.99E-08
2362	609656.4	4170575	1.02E-07	4.53E-08	1.47E-07	1.69E-08	7.91E-09	2.48E-08	1.25E-08	4.52E-09	1.70E-08
2363	609663.8	4170568	8.82E-08	3.93E-08	1.27E-07	1.47E-08	6.85E-09	2.15E-08	1.08E-08	3.92E-09	1.47E-08
2364	609671.4	4170562	7.75E-08	3.45E-08	1.12E-07	1.29E-08	6.02E-09	1.89E-08	9.50E-09	3.44E-09	1.29E-08
2365	609677.2	4170570	8.48E-08	3.78E-08	1.23E-07	1.41E-08	6.59E-09	2.07E-08	1.04E-08	3.77E-09	1.42E-08
2366	609678.7	4170555	6.83E-08	3.04E-08	9.87E-08	1.13E-08	5.31E-09	1.67E-08	8.38E-09	3.03E-09	1.14E-08
2367	609684.2	4170562	7.43E-08	3.31E-08	1.07E-07	1.23E-08	5.78E-09	1.81E-08	9.11E-09	3.30E-09	1.24E-08
2368	609686	4170548	6.07E-08	2.70E-08	8.77E-08	1.01E-08	4.71E-09	1.48E-08	7.44E-09	2.69E-09	1.01E-08
2369	609693.1	4170558	6.73E-08	2.99E-08	9.72E-08	1.12E-08	5.23E-09	1.64E-08	8.25E-09	2.99E-09	1.12E-08
2370	609693.6	4170541	5.43E-08	2.42E-08	7.85E-08	9.02E-09	4.22E-09	1.32E-08	6.66E-09	2.41E-09	9.07E-09
2371	609699.4	4170549	5.89E-08	2.62E-08	8.51E-08	9.78E-09	4.57E-09	1.44E-08	7.22E-09	2.61E-09	9.83E-09
2372	609700.9	4170535	4.85E-08	2.16E-08	7.02E-08	8.06E-09	3.77E-09	1.18E-08	5.95E-09	2.15E-09	8.11E-09
2373	609706.5	4170542	5.25E-08	2.33E-08	7.58E-08	8.71E-09	4.08E-09	1.28E-08	6.43E-09	2.33E-09	8.76E-09
2374	609712.1	4170550	5.63E-08	2.51E-08	8.14E-08	9.36E-09	4.38E-09	1.37E-08	6.91E-09	2.50E-09	9.41E-09
2375	609708.2	4170528	4.37E-08	1.94E-08	6.31E-08	7.25E-09	3.39E-09	1.06E-08	5.35E-09	1.94E-09	7.29E-09
2376	609713.6	4170535	4.70E-08	2.09E-08	6.80E-08	7.81E-09	3.65E-09	1.15E-08	5.77E-09	2.09E-09	7.85E-09
2377	609719.1	4170543	5.05E-08	2.25E-08	7.30E-08	8.39E-09	3.92E-09	1.23E-08	6.19E-09	2.24E-09	8.43E-09
2378	609715.7	4170521	3.96E-08	1.76E-08	5.72E-08	6.58E-09	3.08E-09	9.66E-09	4.86E-09	1.76E-09	6.62E-09
2379	609721.5	4170529	4.30E-08	1.91E-08	6.21E-08	7.13E-09	3.34E-09	1.05E-08	5.27E-09	1.91E-09	7.17E-09
2380	609727.4	4170537	4.63E-08	2.06E-08	6.69E-08	7.69E-09	3.59E-09	1.13E-08	5.67E-09	2.05E-09	7.73E-09
2381	609723.1	4170514	3.61E-08	1.61E-08	5.22E-08	6.00E-09	2.80E-09	8.80E-09	4.43E-09	1.60E-09	6.03E-09
2382	609728.7	4170522	3.90E-08	1.74E-08	5.63E-08	6.48E-09	3.03E-09	9.50E-09	4.78E-09	1.73E-09	6.51E-09
2383	609734.3	4170530	4.19E-08	1.86E-08	6.05E-08	6.96E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
2384	609730.4	4170508	3.30E-08	1.47E-08	4.77E-08	5.48E-09	2.57E-09	8.05E-09	4.05E-09	1.47E-09	5.51E-09
2385	609735.9	4170515	3.55E-08	1.58E-08	5.14E-08	5.90E-09	2.76E-09	8.67E-09	4.36E-09	1.58E-09	5.94E-09
2386	609741.4	4170523	3.81E-08	1.69E-08	5.50E-08	6.32E-09	2.96E-09	9.28E-09	4.67E-09	1.69E-09	6.36E-09
2387	609746.9	4170530	4.06E-08	1.81E-08	5.86E-08	6.74E-09	3.15E-09	9.89E-09	4.97E-09	1.80E-09	6.78E-09
2388	609737.9	4170501	3.04E-08	1.35E-08	4.39E-08	5.04E-09	2.36E-09	7.40E-09	3.72E-09	1.35E-09	5.07E-09
2389	609743.7	4170509	3.28E-08	1.46E-08	4.74E-08	5.44E-09	2.55E-09	7.99E-09	4.02E-09	1.45E-09	5.47E-09
2390	609749.5	4170517	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.58E-09	4.32E-09	1.56E-09	5.88E-09
2391	609755.3	4170525	3.76E-08	1.67E-08	5.43E-08	6.24E-09	2.92E-09	9.17E-09	4.61E-09	1.67E-09	6.28E-09
2392	609745.3	4170494	2.80E-08	1.24E-08	4.04E-08	4.64E-09	2.17E-09	6.82E-09	3.43E-09	1.24E-09	4.67E-09
2393	609750.9	4170502	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.02E-09
2394	609756.6	4170510	3.22E-08	1.43E-08	4.66E-08	5.35E-09	2.50E-09	7.86E-09	3.95E-09	1.43E-09	5.38E-09
2395	609762.2	4170518	3.43E-08	1.53E-08	4.96E-08	5.71E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.74E-09
2396	609752.6	4170487	2.58E-08	1.15E-08	3.73E-08	4.29E-09	2.01E-09	6.30E-09	3.17E-09	1.15E-09	4.31E-09
2397	609758.2	4170495	2.77E-08	1.23E-08	4.00E-08	4.60E-09	2.15E-09	6.76E-09	3.40E-09	1.23E-09	4.63E-09
2398	609763.7	4170503	2.96E-08	1.32E-08	4.28E-08	4.92E-09	2.30E-09	7.22E-09	3.63E-09	1.31E-09	4.94E-09
2399	609769.2	4170510	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.68E-09	3.86E-09	1.40E-09	5.26E-09
2400	609760.1	4170481	2.40E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
2401	609765.9	4170489	2.58E-08	1.15E-08	3.72E-08	4.28E-09	2.00E-09	6.28E-09	3.16E-09	1.14E-09	4.30E-09
2402	609771.7	4170497	2.76E-08	1.23E-08	3.99E-08	4.58E-09	2.14E-09	6.72E-09	3.38E-09	1.22E-09	4.61E-09
2403	609777.5	4170505	2.94E-08	1.31E-08	4.25E-08	4.88E-09	2.28E-09	7.17E-09	3.60E-09	1.30E-09	4.91E-09
2404	609767.5	4170474	2.22E-08	9.90E-09	3.22E-08	3.70E-09	1.73E-09	5.42E-09	2.73E-09	9.88E-10	3.72E-09

2405	609773.1	4170482	2.39E-08	1.06E-08	3.45E-08	3.96E-09	1.85E-09	5.82E-09	2.92E-09	1.06E-09	3.98E-09
2406	609778.8	4170490	2.55E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.21E-09	3.12E-09	1.13E-09	4.25E-09
2407	609784.5	4170498	2.71E-08	1.21E-08	3.92E-08	4.50E-09	2.11E-09	6.61E-09	3.32E-09	1.20E-09	4.53E-09
2408	609790.2	4170505	2.87E-08	1.28E-08	4.15E-08	4.77E-09	2.23E-09	7.00E-09	3.52E-09	1.27E-09	4.80E-09
2409	609774.8	4170467	2.07E-08	9.21E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.19E-10	3.46E-09
2410	609780.4	4170475	2.21E-08	9.84E-09	3.19E-08	3.67E-09	1.72E-09	5.39E-09	2.71E-09	9.81E-10	3.69E-09
2411	609786	4170483	2.36E-08	1.05E-08	3.40E-08	3.91E-09	1.83E-09	5.74E-09	2.89E-09	1.05E-09	3.93E-09
2412	609791.5	4170490	2.50E-08	1.11E-08	3.62E-08	4.16E-09	1.95E-09	6.11E-09	3.07E-09	1.11E-09	4.18E-09
2413	609797.1	4170498	2.65E-08	1.18E-08	3.83E-08	4.41E-09	2.06E-09	6.47E-09	3.25E-09	1.18E-09	4.43E-09
2414	609782.3	4170461	1.93E-08	8.58E-09	2.79E-08	3.20E-09	1.50E-09	4.70E-09	2.36E-09	8.56E-10	3.22E-09
2415	609788.1	4170469	2.06E-08	9.18E-09	2.98E-08	3.42E-09	1.60E-09	5.03E-09	2.53E-09	9.15E-10	3.44E-09
2416	609793.9	4170477	2.20E-08	9.80E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.77E-10	3.68E-09
2417	609799.7	4170485	2.35E-08	1.04E-08	3.39E-08	3.90E-09	1.82E-09	5.72E-09	2.88E-09	1.04E-09	3.92E-09
2418	609805.5	4170493	2.49E-08	1.11E-08	3.60E-08	4.14E-09	1.93E-09	6.07E-09	3.05E-09	1.11E-09	4.16E-09
2419	609789.7	4170454	1.80E-08	8.00E-09	2.60E-08	2.98E-09	1.40E-09	4.38E-09	2.20E-09	7.98E-10	3.00E-09
2420	609795.3	4170462	1.92E-08	8.53E-09	2.77E-08	3.18E-09	1.49E-09	4.67E-09	2.35E-09	8.51E-10	3.20E-09
2421	609801	4170470	2.04E-08	9.09E-09	2.95E-08	3.39E-09	1.59E-09	4.98E-09	2.50E-09	9.06E-10	3.41E-09
2422	609806.7	4170477	2.17E-08	9.67E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.66E-09	9.64E-10	3.63E-09
2423	609812.4	4170485	2.30E-08	1.02E-08	3.33E-08	3.83E-09	1.79E-09	5.61E-09	2.82E-09	1.02E-09	3.85E-09
2424	609797	4170447	1.68E-08	7.47E-09	2.43E-08	2.79E-09	1.30E-09	4.09E-09	2.06E-09	7.45E-10	2.80E-09
2425	609802.6	4170455	1.79E-08	7.96E-09	2.58E-08	2.97E-09	1.39E-09	4.36E-09	2.19E-09	7.93E-10	2.99E-09
2426	609808.2	4170463	1.90E-08	8.46E-09	2.75E-08	3.16E-09	1.48E-09	4.64E-09	2.33E-09	8.44E-10	3.18E-09
2427	609813.8	4170470	2.02E-08	8.99E-09	2.92E-08	3.35E-09	1.57E-09	4.92E-09	2.48E-09	8.96E-10	3.37E-09
2428	609819.4	4170478	2.14E-08	9.51E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.49E-10	3.57E-09
2429	609825	4170486	2.25E-08	1.00E-08	3.25E-08	3.74E-09	1.75E-09	5.49E-09	2.76E-09	1.00E-09	3.76E-09
2430	609804.5	4170440	1.57E-08	7.01E-09	2.28E-08	2.62E-09	1.22E-09	3.84E-09	1.93E-09	6.99E-10	2.63E-09
2431	609810.3	4170448	1.68E-08	7.49E-09	2.43E-08	2.79E-09	1.31E-09	4.10E-09	2.06E-09	7.47E-10	2.81E-09
2432	609816.1	4170456	1.79E-08	7.98E-09	2.59E-08	2.98E-09	1.39E-09	4.37E-09	2.20E-09	7.95E-10	2.99E-09
2433	609821.9	4170464	1.90E-08	8.47E-09	2.75E-08	3.16E-09	1.48E-09	4.64E-09	2.33E-09	8.45E-10	3.18E-09
2434	609827.7	4170472	2.02E-08	8.98E-09	2.91E-08	3.35E-09	1.57E-09	4.92E-09	2.47E-09	8.95E-10	3.37E-09
2435	609833.5	4170480	2.13E-08	9.46E-09	3.07E-08	3.53E-09	1.65E-09	5.18E-09	2.61E-09	9.44E-10	3.55E-09
2436	609811.8	4170434	1.48E-08	6.59E-09	2.14E-08	2.46E-09	1.15E-09	3.61E-09	1.82E-09	6.58E-10	2.47E-09
2437	609817.6	4170442	1.58E-08	7.03E-09	2.28E-08	2.62E-09	1.23E-09	3.85E-09	1.94E-09	7.01E-10	2.64E-09
2438	609823.3	4170449	1.68E-08	7.47E-09	2.43E-08	2.79E-09	1.30E-09	4.09E-09	2.06E-09	7.45E-10	2.80E-09
2439	609829	4170457	1.78E-08	7.92E-09	2.57E-08	2.96E-09	1.38E-09	4.34E-09	2.18E-09	7.90E-10	2.97E-09
2440	609834.7	4170465	1.88E-08	8.38E-09	2.72E-08	3.13E-09	1.46E-09	4.59E-09	2.31E-09	8.36E-10	3.14E-09
2441	609840.4	4170473	1.98E-08	8.83E-09	2.87E-08	3.30E-09	1.54E-09	4.84E-09	2.43E-09	8.81E-10	3.31E-09
2442	609819.2	4170427	1.40E-08	6.21E-09	2.02E-08	2.32E-09	1.08E-09	3.40E-09	1.71E-09	6.20E-10	2.33E-09
2443	609824.8	4170435	1.48E-08	6.61E-09	2.15E-08	2.47E-09	1.15E-09	3.62E-09	1.82E-09	6.59E-10	2.48E-09
2444	609830.4	4170442	1.58E-08	7.01E-09	2.28E-08	2.62E-09	1.22E-09	3.84E-09	1.93E-09	6.99E-10	2.63E-09
2445	609836.1	4170450	1.67E-08	7.43E-09	2.41E-08	2.77E-09	1.30E-09	4.07E-09	2.05E-09	7.41E-10	2.79E-09
2446	609841.7	4170458	1.76E-08	7.84E-09	2.55E-08	2.93E-09	1.37E-09	4.30E-09	2.16E-09	7.82E-10	2.94E-09
2447	609847.3	4170466	1.86E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.28E-09	8.24E-10	3.10E-09
2448	609826.7	4170420	1.32E-08	5.87E-09	1.91E-08	2.19E-09	1.02E-09	3.22E-09	1.62E-09	5.85E-10	2.20E-09
2449	609832.5	4170428	1.40E-08	6.25E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.23E-10	2.34E-09
2450	609838.3	4170436	1.49E-08	6.64E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.62E-10	2.49E-09
2451	609844.1	4170444	1.58E-08	7.04E-09	2.28E-08	2.63E-09	1.23E-09	3.86E-09	1.94E-09	7.02E-10	2.64E-09
2452	609849.9	4170452	1.67E-08	7.44E-09	2.42E-08	2.78E-09	1.30E-09	4.08E-09	2.05E-09	7.42E-10	2.79E-09
2453	609855.7	4170460	1.76E-08	7.84E-09	2.55E-08	2.93E-09	1.37E-09	4.30E-09	2.16E-09	7.82E-10	2.94E-09
2454	609834	4170414	1.25E-08	5.55E-09	1.80E-08	2.07E-09	9.69E-10	3.04E-09	1.53E-09	5.53E-10	2.08E-09
2455	609839.7	4170421	1.32E-08	5.90E-09	1.91E-08	2.20E-09	1.03E-09	3.23E-09	1.62E-09	5.88E-10	2.21E-09
2456	609845.5	4170429	1.40E-08	6.25E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.24E-10	2.35E-09
2457	609851.2	4170437	1.49E-08	6.62E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.82E-09	6.60E-10	2.48E-09
2458	609856.9	4170445	1.57E-08	6.99E-09	2.27E-08	2.61E-09	1.22E-09	3.83E-09	1.92E-09	6.97E-10	2.62E-09
2459	609862.6	4170453	1.65E-08	7.36E-09	2.39E-08	2.75E-09	1.28E-09	4.03E-09	2.03E-09	7.34E-10	2.76E-09
2460	609868.3	4170461	1.73E-08	7.72E-09	2.51E-08	2.88E-09	1.35E-09	4.23E-09	2.13E-09	7.70E-10	2.90E-09

2461	609606.1	4170598	2.27E-07	1.01E-07	3.28E-07	3.77E-08	1.76E-08	5.53E-08	2.78E-08	1.01E-08	3.79E-08
2462	609608.2	4170589	1.73E-07	7.69E-08	2.50E-07	2.87E-08	1.34E-08	4.21E-08	2.12E-08	7.67E-09	2.89E-08
2463	609609.9	4170579	1.36E-07	6.03E-08	1.96E-07	2.25E-08	1.05E-08	3.30E-08	1.66E-08	6.02E-09	2.26E-08
2464	609618	4170583	1.45E-07	6.44E-08	2.09E-07	2.41E-08	1.13E-08	3.53E-08	1.78E-08	6.43E-09	2.42E-08
2465	609626.2	4170588	1.53E-07	6.83E-08	2.22E-07	2.55E-08	1.19E-08	3.74E-08	1.88E-08	6.81E-09	2.56E-08
2466	609611.8	4170569	1.09E-07	4.85E-08	1.57E-07	1.81E-08	8.46E-09	2.65E-08	1.33E-08	4.83E-09	1.82E-08
2467	609620.4	4170574	1.17E-07	5.19E-08	1.69E-07	1.94E-08	9.07E-09	2.84E-08	1.43E-08	5.18E-09	1.95E-08
2468	609629	4170579	1.24E-07	5.53E-08	1.80E-07	2.07E-08	9.66E-09	3.03E-08	1.52E-08	5.52E-09	2.08E-08
2469	609613.6	4170559	8.88E-08	3.95E-08	1.28E-07	1.48E-08	6.90E-09	2.17E-08	1.09E-08	3.94E-09	1.48E-08
2470	609622	4170564	9.50E-08	4.23E-08	1.37E-07	1.58E-08	7.38E-09	2.32E-08	1.16E-08	4.22E-09	1.59E-08
2471	609630.3	4170569	1.01E-07	4.51E-08	1.46E-07	1.68E-08	7.87E-09	2.47E-08	1.24E-08	4.49E-09	1.69E-08
2472	609638.7	4170573	1.07E-07	4.77E-08	1.55E-07	1.78E-08	8.33E-09	2.61E-08	1.31E-08	4.76E-09	1.79E-08
2473	609615.5	4170549	7.36E-08	3.28E-08	1.06E-07	1.22E-08	5.72E-09	1.79E-08	9.02E-09	3.27E-09	1.23E-08
2474	609624.2	4170554	7.88E-08	3.51E-08	1.14E-07	1.31E-08	6.12E-09	1.92E-08	9.66E-09	3.50E-09	1.32E-08
2475	609632.9	4170559	8.43E-08	3.75E-08	1.22E-07	1.40E-08	6.55E-09	2.05E-08	1.03E-08	3.74E-09	1.41E-08
2476	609641.5	4170564	8.96E-08	3.99E-08	1.29E-07	1.49E-08	6.96E-09	2.18E-08	1.10E-08	3.98E-09	1.50E-08
2477	609617.2	4170540	6.16E-08	2.74E-08	8.90E-08	1.02E-08	4.79E-09	1.50E-08	7.55E-09	2.73E-09	1.03E-08
2478	609625.7	4170544	6.58E-08	2.93E-08	9.51E-08	1.09E-08	5.11E-09	1.60E-08	8.07E-09	2.92E-09	1.10E-08
2479	609634.3	4170549	7.03E-08	3.13E-08	1.02E-07	1.17E-08	5.46E-09	1.71E-08	8.62E-09	3.12E-09	1.17E-08
2480	609642.8	4170554	7.48E-08	3.33E-08	1.08E-07	1.24E-08	5.81E-09	1.82E-08	9.17E-09	3.32E-09	1.25E-08
2481	609651.3	4170559	7.92E-08	3.52E-08	1.14E-07	1.31E-08	6.15E-09	1.93E-08	9.70E-09	3.51E-09	1.32E-08
2482	609619	4170530	5.21E-08	2.32E-08	7.53E-08	8.65E-09	4.05E-09	1.27E-08	6.39E-09	2.31E-09	8.70E-09
2483	609627.4	4170534	5.55E-08	2.47E-08	8.03E-08	9.23E-09	4.32E-09	1.35E-08	6.81E-09	2.47E-09	9.28E-09
2484	609635.8	4170539	5.92E-08	2.64E-08	8.56E-08	9.84E-09	4.60E-09	1.44E-08	7.26E-09	2.63E-09	9.89E-09
2485	609644.1	4170544	6.30E-08	2.80E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
2486	609652.5	4170548	6.68E-08	2.97E-08	9.66E-08	1.11E-08	5.19E-09	1.63E-08	8.19E-09	2.97E-09	1.12E-08
2487	609660.9	4170553	7.04E-08	3.13E-08	1.02E-07	1.17E-08	5.47E-09	1.72E-08	8.63E-09	3.13E-09	1.18E-08
2488	609620.9	4170520	4.45E-08	1.98E-08	6.43E-08	7.39E-09	3.46E-09	1.09E-08	5.46E-09	1.98E-09	7.43E-09
2489	609629.5	4170525	4.74E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.92E-09
2490	609638.1	4170530	5.06E-08	2.25E-08	7.32E-08	8.41E-09	3.93E-09	1.23E-08	6.21E-09	2.25E-09	8.45E-09
2491	609646.7	4170534	5.40E-08	2.40E-08	7.80E-08	8.96E-09	4.19E-09	1.32E-08	6.62E-09	2.40E-09	9.01E-09
2492	609655.3	4170539	5.74E-08	2.55E-08	8.29E-08	9.53E-09	4.46E-09	1.40E-08	7.03E-09	2.55E-09	9.58E-09
2493	609663.9	4170544	6.07E-08	2.70E-08	8.77E-08	1.01E-08	4.71E-09	1.48E-08	7.44E-09	2.69E-09	1.01E-08
2494	609622.6	4170510	3.83E-08	1.71E-08	5.54E-08	6.36E-09	2.98E-09	9.34E-09	4.70E-09	1.70E-09	6.40E-09
2495	609631.1	4170515	4.07E-08	1.81E-08	5.89E-08	6.77E-09	3.17E-09	9.93E-09	4.99E-09	1.81E-09	6.80E-09
2496	609639.6	4170520	4.34E-08	1.93E-08	6.27E-08	7.20E-09	3.37E-09	1.06E-08	5.32E-09	1.93E-09	7.24E-09
2497	609648.1	4170524	4.62E-08	2.06E-08	6.67E-08	7.67E-09	3.59E-09	1.13E-08	5.66E-09	2.05E-09	7.71E-09
2498	609656.6	4170529	4.91E-08	2.18E-08	7.09E-08	8.15E-09	3.81E-09	1.20E-08	6.02E-09	2.18E-09	8.20E-09
2499	609665	4170534	5.20E-08	2.31E-08	7.51E-08	8.64E-09	4.04E-09	1.27E-08	6.37E-09	2.31E-09	8.68E-09
2500	609673.5	4170538	5.48E-08	2.44E-08	7.92E-08	9.10E-09	4.26E-09	1.34E-08	6.72E-09	2.43E-09	9.15E-09
2501	609624.5	4170500	3.33E-08	1.48E-08	4.81E-08	5.52E-09	2.58E-09	8.11E-09	4.08E-09	1.48E-09	5.55E-09
2502	609633.1	4170505	3.53E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.61E-09	4.33E-09	1.57E-09	5.90E-09
2503	609641.8	4170510	3.76E-08	1.67E-08	5.43E-08	6.25E-09	2.92E-09	9.17E-09	4.61E-09	1.67E-09	6.28E-09
2504	609650.4	4170515	4.01E-08	1.78E-08	5.79E-08	6.65E-09	3.11E-09	9.77E-09	4.91E-09	1.78E-09	6.69E-09
2505	609659.1	4170520	4.26E-08	1.90E-08	6.16E-08	7.08E-09	3.31E-09	1.04E-08	5.23E-09	1.89E-09	7.12E-09
2506	609667.8	4170524	4.52E-08	2.01E-08	6.54E-08	7.51E-09	3.51E-09	1.10E-08	5.55E-09	2.01E-09	7.55E-09
2507	609676.4	4170529	4.78E-08	2.13E-08	6.91E-08	7.94E-09	3.72E-09	1.17E-08	5.86E-09	2.12E-09	7.98E-09
2508	609685.1	4170534	5.03E-08	2.24E-08	7.26E-08	8.35E-09	3.91E-09	1.23E-08	6.16E-09	2.23E-09	8.39E-09
2509	609626.3	4170490	2.91E-08	1.29E-08	4.20E-08	4.83E-09	2.26E-09	7.09E-09	3.56E-09	1.29E-09	4.85E-09
2510	609634.8	4170495	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.50E-09	3.77E-09	1.37E-09	5.14E-09
2511	609643.4	4170500	3.27E-08	1.45E-08	4.72E-08	5.43E-09	2.54E-09	7.97E-09	4.01E-09	1.45E-09	5.46E-09
2512	609651.9	4170505	3.47E-08	1.55E-08	5.02E-08	5.77E-09	2.70E-09	8.47E-09	4.26E-09	1.54E-09	5.80E-09
2513	609660.5	4170509	3.69E-08	1.64E-08	5.34E-08	6.13E-09	2.87E-09	9.00E-09	4.53E-09	1.64E-09	6.17E-09
2514	609669	4170514	3.92E-08	1.74E-08	5.66E-08	6.51E-09	3.04E-09	9.55E-09	4.80E-09	1.74E-09	6.54E-09
2515	609677.6	4170519	4.15E-08	1.85E-08	5.99E-08	6.89E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.92E-09
2516	609686.1	4170524	4.37E-08	1.94E-08	6.31E-08	7.26E-09	3.40E-09	1.07E-08	5.36E-09	1.94E-09	7.30E-09

2517	609628.1	4170481	2.56E-08	1.14E-08	3.70E-08	4.25E-09	1.99E-09	6.24E-09	3.14E-09	1.14E-09	4.27E-09
2518	609636.8	4170485	2.71E-08	1.20E-08	3.91E-08	4.50E-09	2.10E-09	6.60E-09	3.32E-09	1.20E-09	4.52E-09
2519	609645.5	4170490	2.87E-08	1.28E-08	4.15E-08	4.77E-09	2.23E-09	7.00E-09	3.52E-09	1.27E-09	4.79E-09
2520	609654.2	4170495	3.05E-08	1.36E-08	4.41E-08	5.07E-09	2.37E-09	7.44E-09	3.74E-09	1.35E-09	5.09E-09
2521	609662.9	4170500	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
2522	609671.6	4170505	3.42E-08	1.52E-08	4.95E-08	5.69E-09	2.66E-09	8.35E-09	4.20E-09	1.52E-09	5.72E-09
2523	609680.3	4170510	3.62E-08	1.61E-08	5.24E-08	6.02E-09	2.82E-09	8.83E-09	4.44E-09	1.61E-09	6.05E-09
2524	609689	4170514	3.83E-08	1.70E-08	5.53E-08	6.36E-09	2.97E-09	9.33E-09	4.69E-09	1.70E-09	6.39E-09
2525	609697.7	4170519	4.02E-08	1.79E-08	5.81E-08	6.67E-09	3.12E-09	9.79E-09	4.93E-09	1.78E-09	6.71E-09
2526	609629.9	4170471	2.27E-08	1.01E-08	3.28E-08	3.77E-09	1.76E-09	5.53E-09	2.78E-09	1.01E-09	3.79E-09
2527	609638.5	4170476	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
2528	609647.1	4170480	2.51E-08	1.12E-08	3.63E-08	4.17E-09	1.95E-09	6.13E-09	3.08E-09	1.12E-09	4.20E-09
2529	609655.7	4170485	2.66E-08	1.19E-08	3.85E-08	4.43E-09	2.07E-09	6.50E-09	3.27E-09	1.18E-09	4.45E-09
2530	609664.3	4170490	2.82E-08	1.25E-08	4.07E-08	4.68E-09	2.19E-09	6.87E-09	3.46E-09	1.25E-09	4.71E-09
2531	609672.9	4170495	2.98E-08	1.33E-08	4.30E-08	4.95E-09	2.31E-09	7.26E-09	3.65E-09	1.32E-09	4.97E-09
2532	609681.5	4170499	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.67E-09	3.86E-09	1.40E-09	5.25E-09
2533	609690.1	4170504	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.12E-09	4.08E-09	1.48E-09	5.56E-09
2534	609698.7	4170509	3.51E-08	1.56E-08	5.07E-08	5.83E-09	2.73E-09	8.56E-09	4.30E-09	1.56E-09	5.86E-09
2535	609707.3	4170514	3.68E-08	1.64E-08	5.31E-08	6.11E-09	2.86E-09	8.97E-09	4.51E-09	1.63E-09	6.14E-09
2536	609631.7	4170461	2.02E-08	8.99E-09	2.92E-08	3.35E-09	1.57E-09	4.92E-09	2.48E-09	8.96E-10	3.37E-09
2537	609640.2	4170466	2.10E-08	9.36E-09	3.04E-08	3.50E-09	1.63E-09	5.13E-09	2.58E-09	9.34E-10	3.51E-09
2538	609648.7	4170470	2.21E-08	9.83E-09	3.19E-08	3.67E-09	1.72E-09	5.38E-09	2.71E-09	9.80E-10	3.69E-09
2539	609657.2	4170475	2.33E-08	1.04E-08	3.37E-08	3.88E-09	1.81E-09	5.69E-09	2.86E-09	1.04E-09	3.90E-09
2540	609665.7	4170480	2.47E-08	1.10E-08	3.57E-08	4.10E-09	1.92E-09	6.03E-09	3.03E-09	1.10E-09	4.13E-09
2541	609674.3	4170485	2.61E-08	1.16E-08	3.78E-08	4.34E-09	2.03E-09	6.37E-09	3.20E-09	1.16E-09	4.36E-09
2542	609682.8	4170489	2.76E-08	1.23E-08	3.98E-08	4.58E-09	2.14E-09	6.72E-09	3.38E-09	1.22E-09	4.60E-09
2543	609691.3	4170494	2.91E-08	1.30E-08	4.21E-08	4.84E-09	2.26E-09	7.11E-09	3.57E-09	1.29E-09	4.87E-09
2544	609699.8	4170499	3.08E-08	1.37E-08	4.45E-08	5.11E-09	2.39E-09	7.50E-09	3.77E-09	1.37E-09	5.14E-09
2545	609708.3	4170504	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.89E-09	3.97E-09	1.44E-09	5.41E-09
2546	609642.2	4170456	1.88E-08	8.37E-09	2.72E-08	3.12E-09	1.46E-09	4.59E-09	2.31E-09	8.35E-10	3.14E-09
2547	609650.8	4170461	1.96E-08	8.74E-09	2.84E-08	3.26E-09	1.53E-09	4.79E-09	2.41E-09	8.72E-10	3.28E-09
2548	609659.4	4170466	2.07E-08	9.21E-09	2.99E-08	3.44E-09	1.61E-09	5.04E-09	2.54E-09	9.18E-10	3.46E-09
2549	609668.1	4170470	2.19E-08	9.76E-09	3.17E-08	3.64E-09	1.70E-09	5.35E-09	2.69E-09	9.73E-10	3.66E-09
2550	609676.7	4170475	2.32E-08	1.03E-08	3.36E-08	3.86E-09	1.80E-09	5.66E-09	2.85E-09	1.03E-09	3.88E-09
2551	609685.3	4170480	2.46E-08	1.09E-08	3.55E-08	4.08E-09	1.91E-09	5.99E-09	3.01E-09	1.09E-09	4.10E-09
2552	609694	4170485	2.60E-08	1.16E-08	3.75E-08	4.32E-09	2.02E-09	6.34E-09	3.19E-09	1.15E-09	4.34E-09
2553	609702.6	4170489	2.74E-08	1.22E-08	3.97E-08	4.56E-09	2.13E-09	6.69E-09	3.37E-09	1.22E-09	4.58E-09
2554	609711.3	4170494	2.89E-08	1.29E-08	4.18E-08	4.80E-09	2.25E-09	7.05E-09	3.54E-09	1.28E-09	4.83E-09
2555	609719.9	4170499	3.04E-08	1.35E-08	4.39E-08	5.04E-09	2.36E-09	7.40E-09	3.72E-09	1.35E-09	5.07E-09
2556	609643.9	4170446	1.69E-08	7.52E-09	2.44E-08	2.81E-09	1.31E-09	4.12E-09	2.07E-09	7.50E-10	2.82E-09
2557	609652.4	4170451	1.76E-08	7.83E-09	2.54E-08	2.92E-09	1.37E-09	4.29E-09	2.16E-09	7.81E-10	2.94E-09
2558	609661	4170456	1.85E-08	8.23E-09	2.67E-08	3.07E-09	1.44E-09	4.51E-09	2.27E-09	8.21E-10	3.09E-09
2559	609669.5	4170460	1.95E-08	8.69E-09	2.82E-08	3.24E-09	1.52E-09	4.76E-09	2.39E-09	8.66E-10	3.26E-09
2560	609678.1	4170465	2.06E-08	9.18E-09	2.98E-08	3.43E-09	1.60E-09	5.03E-09	2.53E-09	9.15E-10	3.44E-09
2561	609686.7	4170470	2.18E-08	9.70E-09	3.15E-08	3.62E-09	1.69E-09	5.32E-09	2.67E-09	9.68E-10	3.64E-09
2562	609695.2	4170475	2.31E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.83E-09	1.02E-09	3.85E-09
2563	609703.8	4170479	2.43E-08	1.08E-08	3.52E-08	4.04E-09	1.89E-09	5.93E-09	2.98E-09	1.08E-09	4.06E-09
2564	609712.4	4170484	2.57E-08	1.14E-08	3.71E-08	4.26E-09	1.99E-09	6.25E-09	3.15E-09	1.14E-09	4.28E-09
2565	609720.9	4170489	2.70E-08	1.20E-08	3.90E-08	4.48E-09	2.10E-09	6.57E-09	3.31E-09	1.20E-09	4.50E-09
2566	609729.5	4170494	2.82E-08	1.26E-08	4.08E-08	4.69E-09	2.19E-09	6.89E-09	3.46E-09	1.25E-09	4.72E-09
2567	609654.5	4170441	1.59E-08	7.07E-09	2.30E-08	2.64E-09	1.23E-09	3.87E-09	1.95E-09	7.05E-10	2.65E-09
2568	609663.1	4170446	1.67E-08	7.43E-09	2.41E-08	2.77E-09	1.30E-09	4.07E-09	2.05E-09	7.41E-10	2.79E-09
2569	609671.8	4170451	1.76E-08	7.82E-09	2.54E-08	2.92E-09	1.37E-09	4.29E-09	2.16E-09	7.80E-10	2.94E-09
2570	609680.5	4170456	1.86E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.23E-10	3.10E-09
2571	609689.1	4170460	1.96E-08	8.72E-09	2.83E-08	3.26E-09	1.52E-09	4.78E-09	2.40E-09	8.70E-10	3.27E-09
2572	609697.8	4170465	2.07E-08	9.22E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.19E-10	3.46E-09

2573	609706.5	4170470	2.19E-08	9.74E-09	3.16E-08	3.63E-09	1.70E-09	5.33E-09	2.68E-09	9.71E-10	3.65E-09
2574	609715.2	4170475	2.31E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.83E-09	1.02E-09	3.85E-09
2575	609723.8	4170480	2.43E-08	1.08E-08	3.51E-08	4.03E-09	1.89E-09	5.92E-09	2.98E-09	1.08E-09	4.05E-09
2576	609732.5	4170484	2.55E-08	1.13E-08	3.68E-08	4.23E-09	1.98E-09	6.21E-09	3.12E-09	1.13E-09	4.25E-09
2577	609664.7	4170436	1.51E-08	6.71E-09	2.18E-08	2.51E-09	1.17E-09	3.68E-09	1.85E-09	6.69E-10	2.52E-09
2578	609673.3	4170441	1.58E-08	7.05E-09	2.29E-08	2.63E-09	1.23E-09	3.86E-09	1.94E-09	7.03E-10	2.65E-09
2579	609681.9	4170445	1.67E-08	7.42E-09	2.41E-08	2.77E-09	1.30E-09	4.06E-09	2.04E-09	7.40E-10	2.78E-09
2580	609690.5	4170450	1.76E-08	7.82E-09	2.54E-08	2.92E-09	1.37E-09	4.29E-09	2.15E-09	7.80E-10	2.93E-09
2581	609699.1	4170455	1.85E-08	8.25E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.23E-10	3.10E-09
2582	609707.7	4170460	1.96E-08	8.70E-09	2.83E-08	3.25E-09	1.52E-09	4.77E-09	2.40E-09	8.68E-10	3.27E-09
2583	609716.3	4170465	2.06E-08	9.17E-09	2.98E-08	3.42E-09	1.60E-09	5.03E-09	2.53E-09	9.15E-10	3.44E-09
2584	609724.9	4170469	2.17E-08	9.65E-09	3.13E-08	3.60E-09	1.69E-09	5.29E-09	2.66E-09	9.63E-10	3.62E-09
2585	609733.5	4170474	2.28E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
2586	609742.1	4170479	2.38E-08	1.06E-08	3.45E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
2587	609640.8	4170412	1.23E-08	5.47E-09	1.78E-08	2.04E-09	9.55E-10	3.00E-09	1.51E-09	5.46E-10	2.05E-09
2588	609675.5	4170431	1.44E-08	6.41E-09	2.08E-08	2.39E-09	1.12E-09	3.51E-09	1.77E-09	6.39E-10	2.40E-09
2589	609684.2	4170436	1.51E-08	6.73E-09	2.19E-08	2.51E-09	1.18E-09	3.69E-09	1.86E-09	6.72E-10	2.53E-09
2590	609692.9	4170441	1.59E-08	7.09E-09	2.30E-08	2.65E-09	1.24E-09	3.88E-09	1.95E-09	7.07E-10	2.66E-09
2591	609701.6	4170446	1.68E-08	7.47E-09	2.43E-08	2.79E-09	1.30E-09	4.09E-09	2.06E-09	7.45E-10	2.80E-09
2592	609710.3	4170450	1.77E-08	7.88E-09	2.56E-08	2.94E-09	1.38E-09	4.32E-09	2.17E-09	7.86E-10	2.96E-09
2593	609719	4170455	1.87E-08	8.30E-09	2.70E-08	3.10E-09	1.45E-09	4.55E-09	2.29E-09	8.28E-10	3.11E-09
2594	609727.7	4170460	1.96E-08	8.74E-09	2.84E-08	3.26E-09	1.53E-09	4.79E-09	2.41E-09	8.71E-10	3.28E-09
2595	609736.4	4170465	2.06E-08	9.18E-09	2.98E-08	3.43E-09	1.60E-09	5.03E-09	2.53E-09	9.16E-10	3.45E-09
2596	609745.1	4170470	2.16E-08	9.63E-09	3.13E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.60E-10	3.61E-09
2597	609642.5	4170402	1.13E-08	5.02E-09	1.63E-08	1.87E-09	8.77E-10	2.75E-09	1.38E-09	5.01E-10	1.88E-09
2598	609651.2	4170407	1.16E-08	5.17E-09	1.68E-08	1.93E-09	9.02E-10	2.83E-09	1.42E-09	5.15E-10	1.94E-09
2599	609677.1	4170421	1.31E-08	5.83E-09	1.89E-08	2.18E-09	1.02E-09	3.19E-09	1.61E-09	5.81E-10	2.19E-09
2600	609685.7	4170426	1.37E-08	6.11E-09	1.98E-08	2.28E-09	1.07E-09	3.35E-09	1.68E-09	6.09E-10	2.29E-09
2601	609694.3	4170431	1.44E-08	6.42E-09	2.08E-08	2.39E-09	1.12E-09	3.51E-09	1.77E-09	6.40E-10	2.41E-09
2602	609702.9	4170435	1.52E-08	6.75E-09	2.19E-08	2.52E-09	1.18E-09	3.70E-09	1.86E-09	6.73E-10	2.53E-09
2603	609711.6	4170440	1.60E-08	7.10E-09	2.31E-08	2.65E-09	1.24E-09	3.89E-09	1.96E-09	7.08E-10	2.66E-09
2604	609720.2	4170445	1.68E-08	7.47E-09	2.43E-08	2.79E-09	1.30E-09	4.09E-09	2.06E-09	7.45E-10	2.80E-09
2605	609728.8	4170450	1.77E-08	7.86E-09	2.55E-08	2.93E-09	1.37E-09	4.31E-09	2.17E-09	7.84E-10	2.95E-09
2606	609737.5	4170455	1.86E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.24E-10	3.10E-09
2607	609746.1	4170459	1.95E-08	8.66E-09	2.81E-08	3.23E-09	1.51E-09	4.74E-09	2.39E-09	8.64E-10	3.25E-09
2608	609754.7	4170464	2.04E-08	9.06E-09	2.94E-08	3.38E-09	1.58E-09	4.96E-09	2.50E-09	9.04E-10	3.40E-09
2609	609644.3	4170392	1.04E-08	4.63E-09	1.50E-08	1.73E-09	8.08E-10	2.53E-09	1.27E-09	4.61E-10	1.74E-09
2610	609652.9	4170397	1.07E-08	4.76E-09	1.54E-08	1.78E-09	8.31E-10	2.61E-09	1.31E-09	4.74E-10	1.79E-09
2611	609687.2	4170416	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.72E-10	3.05E-09	1.53E-09	5.55E-10	2.09E-09
2612	609695.8	4170421	1.31E-08	5.83E-09	1.89E-08	2.18E-09	1.02E-09	3.20E-09	1.61E-09	5.82E-10	2.19E-09
2613	609704.3	4170425	1.38E-08	6.12E-09	1.99E-08	2.28E-09	1.07E-09	3.35E-09	1.69E-09	6.10E-10	2.30E-09
2614	609712.9	4170430	1.44E-08	6.43E-09	2.09E-08	2.40E-09	1.12E-09	3.52E-09	1.77E-09	6.41E-10	2.41E-09
2615	609721.5	4170435	1.52E-08	6.75E-09	2.19E-08	2.52E-09	1.18E-09	3.70E-09	1.86E-09	6.74E-10	2.53E-09
2616	609730	4170440	1.59E-08	7.10E-09	2.30E-08	2.65E-09	1.24E-09	3.89E-09	1.96E-09	7.08E-10	2.66E-09
2617	609738.6	4170444	1.67E-08	7.45E-09	2.42E-08	2.78E-09	1.30E-09	4.08E-09	2.05E-09	7.43E-10	2.80E-09
2618	609747.2	4170449	1.76E-08	7.81E-09	2.54E-08	2.92E-09	1.36E-09	4.28E-09	2.15E-09	7.79E-10	2.93E-09
2619	609755.7	4170454	1.84E-08	8.18E-09	2.66E-08	3.05E-09	1.43E-09	4.48E-09	2.25E-09	8.16E-10	3.07E-09
2620	609764.3	4170459	1.92E-08	8.54E-09	2.77E-08	3.19E-09	1.49E-09	4.68E-09	2.35E-09	8.52E-10	3.21E-09
2621	609646.2	4170382	9.63E-09	4.28E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.27E-10	1.61E-09
2622	609654.8	4170387	9.90E-09	4.40E-09	1.43E-08	1.64E-09	7.69E-10	2.41E-09	1.21E-09	4.39E-10	1.65E-09
2623	609663.5	4170392	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.94E-10	2.49E-09	1.25E-09	4.54E-10	1.71E-09
2624	609698.1	4170411	1.20E-08	5.35E-09	1.74E-08	2.00E-09	9.34E-10	2.93E-09	1.47E-09	5.34E-10	2.01E-09
2625	609706.7	4170416	1.26E-08	5.61E-09	1.82E-08	2.09E-09	9.79E-10	3.07E-09	1.54E-09	5.59E-10	2.10E-09
2626	609715.4	4170421	1.32E-08	5.88E-09	1.91E-08	2.20E-09	1.03E-09	3.22E-09	1.62E-09	5.87E-10	2.21E-09
2627	609724	4170426	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.16E-10	2.32E-09
2628	609732.7	4170430	1.46E-08	6.48E-09	2.11E-08	2.42E-09	1.13E-09	3.55E-09	1.79E-09	6.47E-10	2.43E-09

2629	609741.4	4170435	1.53E-08	6.81E-09	2.21E-08	2.54E-09	1.19E-09	3.73E-09	1.87E-09	6.79E-10	2.55E-09
2630	609750	4170440	1.60E-08	7.14E-09	2.32E-08	2.66E-09	1.25E-09	3.91E-09	1.97E-09	7.12E-10	2.68E-09
2631	609758.7	4170445	1.68E-08	7.48E-09	2.43E-08	2.79E-09	1.31E-09	4.10E-09	2.06E-09	7.46E-10	2.81E-09
2632	609767.3	4170450	1.76E-08	7.81E-09	2.54E-08	2.92E-09	1.36E-09	4.28E-09	2.15E-09	7.79E-10	2.93E-09
2633	609776	4170454	1.83E-08	8.14E-09	2.64E-08	3.04E-09	1.42E-09	4.46E-09	2.24E-09	8.12E-10	3.05E-09
2634	609648	4170372	8.96E-09	3.99E-09	1.29E-08	1.49E-09	6.96E-10	2.18E-09	1.10E-09	3.97E-10	1.50E-09
2635	609656.6	4170377	9.19E-09	4.09E-09	1.33E-08	1.53E-09	7.14E-10	2.24E-09	1.13E-09	4.08E-10	1.53E-09
2636	609665.2	4170382	9.47E-09	4.22E-09	1.37E-08	1.57E-09	7.36E-10	2.31E-09	1.16E-09	4.20E-10	1.58E-09
2637	609673.8	4170387	9.79E-09	4.36E-09	1.41E-08	1.63E-09	7.61E-10	2.39E-09	1.20E-09	4.35E-10	1.64E-09
2638	609699.5	4170401	1.10E-08	4.91E-09	1.59E-08	1.83E-09	8.57E-10	2.69E-09	1.35E-09	4.89E-10	1.84E-09
2639	609708.1	4170406	1.15E-08	5.13E-09	1.66E-08	1.91E-09	8.95E-10	2.81E-09	1.41E-09	5.11E-10	1.92E-09
2640	609716.7	4170411	1.21E-08	5.37E-09	1.74E-08	2.00E-09	9.37E-10	2.94E-09	1.48E-09	5.35E-10	2.01E-09
2641	609725.3	4170415	1.26E-08	5.62E-09	1.83E-08	2.10E-09	9.82E-10	3.08E-09	1.55E-09	5.61E-10	2.11E-09
2642	609733.9	4170420	1.32E-08	5.90E-09	1.91E-08	2.20E-09	1.03E-09	3.23E-09	1.62E-09	5.88E-10	2.21E-09
2643	609742.5	4170425	1.39E-08	6.18E-09	2.01E-08	2.31E-09	1.08E-09	3.39E-09	1.70E-09	6.17E-10	2.32E-09
2644	609751.1	4170430	1.45E-08	6.47E-09	2.10E-08	2.42E-09	1.13E-09	3.55E-09	1.78E-09	6.46E-10	2.43E-09
2645	609759.7	4170435	1.52E-08	6.78E-09	2.20E-08	2.53E-09	1.18E-09	3.71E-09	1.87E-09	6.76E-10	2.54E-09
2646	609768.3	4170439	1.59E-08	7.09E-09	2.30E-08	2.65E-09	1.24E-09	3.88E-09	1.95E-09	7.07E-10	2.66E-09
2647	609776.9	4170444	1.66E-08	7.39E-09	2.40E-08	2.76E-09	1.29E-09	4.05E-09	2.04E-09	7.37E-10	2.77E-09
2648	609649.8	4170363	8.37E-09	3.72E-09	1.21E-08	1.39E-09	6.50E-10	2.04E-09	1.03E-09	3.71E-10	1.40E-09
2649	609658.5	4170367	8.57E-09	3.82E-09	1.24E-08	1.42E-09	6.66E-10	2.09E-09	1.05E-09	3.80E-10	1.43E-09
2650	609667.1	4170372	8.82E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
2651	609675.8	4170377	9.10E-09	4.05E-09	1.31E-08	1.51E-09	7.07E-10	2.22E-09	1.12E-09	4.04E-10	1.52E-09
2652	609684.5	4170382	9.42E-09	4.19E-09	1.36E-08	1.56E-09	7.32E-10	2.30E-09	1.16E-09	4.18E-10	1.57E-09
2653	609710.5	4170396	1.06E-08	4.73E-09	1.54E-08	1.77E-09	8.26E-10	2.59E-09	1.30E-09	4.72E-10	1.78E-09
2654	609719.2	4170401	1.11E-08	4.95E-09	1.61E-08	1.85E-09	8.63E-10	2.71E-09	1.36E-09	4.93E-10	1.86E-09
2655	609727.9	4170406	1.16E-08	5.18E-09	1.68E-08	1.93E-09	9.04E-10	2.84E-09	1.43E-09	5.16E-10	1.94E-09
2656	609736.5	4170411	1.22E-08	5.42E-09	1.76E-08	2.02E-09	9.46E-10	2.97E-09	1.49E-09	5.41E-10	2.03E-09
2657	609745.2	4170416	1.28E-08	5.68E-09	1.84E-08	2.12E-09	9.91E-10	3.11E-09	1.56E-09	5.66E-10	2.13E-09
2658	609753.9	4170420	1.33E-08	5.93E-09	1.93E-08	2.21E-09	1.04E-09	3.25E-09	1.63E-09	5.91E-10	2.23E-09
2659	609762.6	4170425	1.39E-08	6.21E-09	2.01E-08	2.32E-09	1.08E-09	3.40E-09	1.71E-09	6.19E-10	2.33E-09
2660	609771.2	4170430	1.46E-08	6.49E-09	2.11E-08	2.42E-09	1.13E-09	3.56E-09	1.79E-09	6.48E-10	2.44E-09
2661	609779.9	4170435	1.52E-08	6.78E-09	2.20E-08	2.53E-09	1.18E-09	3.71E-09	1.87E-09	6.76E-10	2.54E-09
2662	609788.6	4170440	1.58E-08	7.04E-09	2.29E-08	2.63E-09	1.23E-09	3.86E-09	1.94E-09	7.02E-10	2.64E-09
2663	609651.6	4170353	7.84E-09	3.49E-09	1.13E-08	1.30E-09	6.09E-10	1.91E-09	9.61E-10	3.48E-10	1.31E-09
2664	609660.2	4170358	8.02E-09	3.57E-09	1.16E-08	1.33E-09	6.23E-10	1.95E-09	9.83E-10	3.56E-10	1.34E-09
2665	609668.8	4170362	8.23E-09	3.66E-09	1.19E-08	1.37E-09	6.39E-10	2.01E-09	1.01E-09	3.65E-10	1.37E-09
2666	609677.4	4170367	8.47E-09	3.77E-09	1.22E-08	1.41E-09	6.58E-10	2.06E-09	1.04E-09	3.76E-10	1.41E-09
2667	609686.1	4170372	8.75E-09	3.89E-09	1.26E-08	1.45E-09	6.80E-10	2.13E-09	1.07E-09	3.88E-10	1.46E-09
2668	609720.6	4170391	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.94E-10	2.49E-09	1.25E-09	4.54E-10	1.71E-09
2669	609729.2	4170396	1.07E-08	4.75E-09	1.54E-08	1.77E-09	8.29E-10	2.60E-09	1.31E-09	4.74E-10	1.78E-09
2670	609737.8	4170401	1.12E-08	4.96E-09	1.61E-08	1.85E-09	8.67E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
2671	609746.4	4170405	1.17E-08	5.19E-09	1.68E-08	1.94E-09	9.05E-10	2.84E-09	1.43E-09	5.17E-10	1.95E-09
2672	609755	4170410	1.21E-08	5.40E-09	1.75E-08	2.02E-09	9.43E-10	2.96E-09	1.49E-09	5.39E-10	2.03E-09
2673	609763.7	4170415	1.27E-08	5.64E-09	1.83E-08	2.11E-09	9.85E-10	3.09E-09	1.55E-09	5.63E-10	2.12E-09
2674	609772.3	4170420	1.32E-08	5.89E-09	1.91E-08	2.20E-09	1.03E-09	3.23E-09	1.62E-09	5.88E-10	2.21E-09
2675	609780.9	4170425	1.38E-08	6.15E-09	2.00E-08	2.30E-09	1.07E-09	3.37E-09	1.70E-09	6.14E-10	2.31E-09
2676	609789.5	4170429	1.44E-08	6.41E-09	2.08E-08	2.39E-09	1.12E-09	3.51E-09	1.77E-09	6.39E-10	2.41E-09
2677	609653.4	4170343	7.36E-09	3.28E-09	1.06E-08	1.22E-09	5.72E-10	1.80E-09	9.03E-10	3.27E-10	1.23E-09
2678	609662.1	4170348	7.52E-09	3.35E-09	1.09E-08	1.25E-09	5.84E-10	1.83E-09	9.22E-10	3.34E-10	1.26E-09
2679	609670.8	4170353	7.70E-09	3.43E-09	1.11E-08	1.28E-09	5.99E-10	1.88E-09	9.45E-10	3.42E-10	1.29E-09
2680	609679.5	4170357	7.92E-09	3.52E-09	1.14E-08	1.32E-09	6.15E-10	1.93E-09	9.71E-10	3.52E-10	1.32E-09
2681	609688.2	4170362	8.17E-09	3.64E-09	1.18E-08	1.36E-09	6.35E-10	1.99E-09	1.00E-09	3.63E-10	1.36E-09
2682	609696.9	4170367	8.45E-09	3.76E-09	1.22E-08	1.40E-09	6.56E-10	2.06E-09	1.04E-09	3.75E-10	1.41E-09
2683	609731.6	4170386	9.88E-09	4.40E-09	1.43E-08	1.64E-09	7.68E-10	2.41E-09	1.21E-09	4.39E-10	1.65E-09
2684	609740.3	4170391	1.03E-08	4.59E-09	1.49E-08	1.71E-09	8.02E-10	2.52E-09	1.27E-09	4.58E-10	1.72E-09

2685	609749	4170396	1.08E-08	4.78E-09	1.55E-08	1.79E-09	8.35E-10	2.62E-09	1.32E-09	4.77E-10	1.80E-09
2686	609757.7	4170401	1.12E-08	4.98E-09	1.62E-08	1.86E-09	8.69E-10	2.73E-09	1.37E-09	4.97E-10	1.87E-09
2687	609766.4	4170406	1.16E-08	5.18E-09	1.68E-08	1.94E-09	9.05E-10	2.84E-09	1.43E-09	5.17E-10	1.95E-09
2688	609775.1	4170411	1.22E-08	5.41E-09	1.76E-08	2.02E-09	9.45E-10	2.97E-09	1.49E-09	5.40E-10	2.03E-09
2689	609783.8	4170415	1.27E-08	5.66E-09	1.84E-08	2.11E-09	9.88E-10	3.10E-09	1.56E-09	5.64E-10	2.12E-09
2690	609792.5	4170420	1.33E-08	5.90E-09	1.92E-08	2.20E-09	1.03E-09	3.23E-09	1.63E-09	5.89E-10	2.21E-09
2691	609801.2	4170425	1.38E-08	6.14E-09	1.99E-08	2.29E-09	1.07E-09	3.36E-09	1.69E-09	6.12E-10	2.30E-09
2692	609655.2	4170333	6.93E-09	3.09E-09	1.00E-08	1.15E-09	5.39E-10	1.69E-09	8.50E-10	3.08E-10	1.16E-09
2693	609663.8	4170338	7.07E-09	3.15E-09	1.02E-08	1.17E-09	5.49E-10	1.72E-09	8.67E-10	3.14E-10	1.18E-09
2694	609672.5	4170343	7.23E-09	3.22E-09	1.04E-08	1.20E-09	5.62E-10	1.76E-09	8.87E-10	3.21E-10	1.21E-09
2695	609681.1	4170347	7.42E-09	3.30E-09	1.07E-08	1.23E-09	5.77E-10	1.81E-09	9.10E-10	3.29E-10	1.24E-09
2696	609689.8	4170352	7.63E-09	3.40E-09	1.10E-08	1.27E-09	5.93E-10	1.86E-09	9.36E-10	3.39E-10	1.27E-09
2697	609698.4	4170357	7.88E-09	3.51E-09	1.14E-08	1.31E-09	6.12E-10	1.92E-09	9.66E-10	3.50E-10	1.32E-09
2698	609707.1	4170362	8.15E-09	3.63E-09	1.18E-08	1.35E-09	6.33E-10	1.99E-09	9.99E-10	3.62E-10	1.36E-09
2699	609733	4170376	9.13E-09	4.07E-09	1.32E-08	1.52E-09	7.10E-10	2.23E-09	1.12E-09	4.05E-10	1.53E-09
2700	609741.6	4170381	9.52E-09	4.24E-09	1.38E-08	1.58E-09	7.40E-10	2.32E-09	1.17E-09	4.22E-10	1.59E-09
2701	609750.3	4170386	9.89E-09	4.40E-09	1.43E-08	1.64E-09	7.69E-10	2.41E-09	1.21E-09	4.39E-10	1.65E-09
2702	609758.9	4170391	1.03E-08	4.57E-09	1.49E-08	1.71E-09	7.99E-10	2.51E-09	1.26E-09	4.56E-10	1.72E-09
2703	609767.6	4170396	1.07E-08	4.76E-09	1.54E-08	1.78E-09	8.30E-10	2.61E-09	1.31E-09	4.74E-10	1.78E-09
2704	609776.2	4170400	1.11E-08	4.95E-09	1.61E-08	1.85E-09	8.65E-10	2.71E-09	1.36E-09	4.94E-10	1.86E-09
2705	609784.9	4170405	1.16E-08	5.17E-09	1.68E-08	1.93E-09	9.03E-10	2.83E-09	1.42E-09	5.16E-10	1.94E-09
2706	609793.5	4170410	1.21E-08	5.40E-09	1.75E-08	2.01E-09	9.43E-10	2.96E-09	1.49E-09	5.38E-10	2.03E-09
2707	609802.1	4170415	1.26E-08	5.62E-09	1.83E-08	2.10E-09	9.82E-10	3.08E-09	1.55E-09	5.61E-10	2.11E-09
2708	609810.8	4170420	1.31E-08	5.85E-09	1.90E-08	2.18E-09	1.02E-09	3.21E-09	1.61E-09	5.84E-10	2.20E-09
2709	609657	4170323	6.55E-09	2.91E-09	9.46E-09	1.09E-09	5.09E-10	1.60E-09	8.03E-10	2.91E-10	1.09E-09
2710	609665.7	4170328	6.67E-09	2.97E-09	9.64E-09	1.11E-09	5.18E-10	1.63E-09	8.17E-10	2.96E-10	1.11E-09
2711	609674.4	4170333	6.81E-09	3.03E-09	9.84E-09	1.13E-09	5.29E-10	1.66E-09	8.35E-10	3.02E-10	1.14E-09
2712	609683.1	4170338	6.98E-09	3.11E-09	1.01E-08	1.16E-09	5.42E-10	1.70E-09	8.55E-10	3.10E-10	1.17E-09
2713	609691.9	4170343	7.17E-09	3.19E-09	1.04E-08	1.19E-09	5.57E-10	1.75E-09	8.79E-10	3.18E-10	1.20E-09
2714	609700.6	4170347	7.39E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.06E-10	3.28E-10	1.23E-09
2715	609709.3	4170352	7.63E-09	3.40E-09	1.10E-08	1.27E-09	5.93E-10	1.86E-09	9.35E-10	3.39E-10	1.27E-09
2716	609744.1	4170372	8.85E-09	3.94E-09	1.28E-08	1.47E-09	6.88E-10	2.16E-09	1.09E-09	3.93E-10	1.48E-09
2717	609752.8	4170376	9.18E-09	4.09E-09	1.33E-08	1.53E-09	7.13E-10	2.24E-09	1.13E-09	4.08E-10	1.53E-09
2718	609761.5	4170381	9.53E-09	4.24E-09	1.38E-08	1.58E-09	7.41E-10	2.32E-09	1.17E-09	4.23E-10	1.59E-09
2719	609770.2	4170386	9.90E-09	4.41E-09	1.43E-08	1.65E-09	7.70E-10	2.41E-09	1.21E-09	4.40E-10	1.65E-09
2720	609779	4170391	1.03E-08	4.59E-09	1.49E-08	1.71E-09	8.02E-10	2.52E-09	1.27E-09	4.58E-10	1.72E-09
2721	609787.7	4170396	1.08E-08	4.79E-09	1.56E-08	1.79E-09	8.37E-10	2.63E-09	1.32E-09	4.78E-10	1.80E-09
2722	609796.4	4170401	1.12E-08	5.00E-09	1.62E-08	1.87E-09	8.73E-10	2.74E-09	1.38E-09	4.99E-10	1.88E-09
2723	609805.1	4170406	1.17E-08	5.21E-09	1.69E-08	1.94E-09	9.09E-10	2.85E-09	1.44E-09	5.20E-10	1.95E-09
2724	609813.8	4170410	1.22E-08	5.42E-09	1.76E-08	2.02E-09	9.47E-10	2.97E-09	1.49E-09	5.41E-10	2.03E-09
2725	609658.8	4170313	6.19E-09	2.76E-09	8.95E-09	1.03E-09	4.81E-10	1.51E-09	7.60E-10	2.75E-10	1.03E-09
2726	609667.5	4170318	6.30E-09	2.80E-09	9.10E-09	1.05E-09	4.90E-10	1.54E-09	7.72E-10	2.80E-10	1.05E-09
2727	609676.1	4170323	6.43E-09	2.86E-09	9.29E-09	1.07E-09	4.99E-10	1.57E-09	7.88E-10	2.85E-10	1.07E-09
2728	609684.8	4170328	6.57E-09	2.92E-09	9.50E-09	1.09E-09	5.11E-10	1.60E-09	8.06E-10	2.92E-10	1.10E-09
2729	609693.5	4170333	6.74E-09	3.00E-09	9.74E-09	1.12E-09	5.24E-10	1.64E-09	8.26E-10	2.99E-10	1.13E-09
2730	609702.1	4170337	6.93E-09	3.08E-09	1.00E-08	1.15E-09	5.38E-10	1.69E-09	8.50E-10	3.08E-10	1.16E-09
2731	609710.8	4170342	7.14E-09	3.18E-09	1.03E-08	1.19E-09	5.55E-10	1.74E-09	8.76E-10	3.17E-10	1.19E-09
2732	609719.5	4170347	7.38E-09	3.28E-09	1.07E-08	1.23E-09	5.73E-10	1.80E-09	9.05E-10	3.28E-10	1.23E-09
2733	609754.1	4170366	8.50E-09	3.78E-09	1.23E-08	1.41E-09	6.61E-10	2.07E-09	1.04E-09	3.77E-10	1.42E-09
2734	609762.8	4170371	8.81E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
2735	609771.4	4170376	9.14E-09	4.07E-09	1.32E-08	1.52E-09	7.11E-10	2.23E-09	1.12E-09	4.06E-10	1.53E-09
2736	609780.1	4170381	9.52E-09	4.24E-09	1.38E-08	1.58E-09	7.40E-10	2.32E-09	1.17E-09	4.23E-10	1.59E-09
2737	609788.8	4170386	9.92E-09	4.42E-09	1.43E-08	1.65E-09	7.71E-10	2.42E-09	1.22E-09	4.40E-10	1.66E-09
2738	609797.4	4170390	1.03E-08	4.60E-09	1.49E-08	1.72E-09	8.03E-10	2.52E-09	1.27E-09	4.59E-10	1.73E-09
2739	609806.1	4170395	1.08E-08	4.79E-09	1.56E-08	1.79E-09	8.37E-10	2.63E-09	1.32E-09	4.78E-10	1.80E-09
2740	609814.7	4170400	1.12E-08	4.99E-09	1.62E-08	1.86E-09	8.71E-10	2.73E-09	1.37E-09	4.97E-10	1.87E-09

2741	609823.4	4170405	1.17E-08	5.19E-09	1.68E-08	1.94E-09	9.05E-10	2.84E-09	1.43E-09	5.17E-10	1.95E-09
2742	609596.4	4170597	2.30E-07	1.02E-07	3.32E-07	3.82E-08	1.79E-08	5.61E-08	2.82E-08	1.02E-08	3.84E-08
2743	609598.2	4170587	1.73E-07	7.69E-08	2.50E-07	2.87E-08	1.34E-08	4.21E-08	2.12E-08	7.67E-09	2.88E-08
2744	609599.6	4170577	1.35E-07	6.00E-08	1.95E-07	2.24E-08	1.05E-08	3.29E-08	1.65E-08	5.99E-09	2.25E-08
2745	609599.7	4170567	1.08E-07	4.81E-08	1.56E-07	1.80E-08	8.40E-09	2.64E-08	1.33E-08	4.80E-09	1.81E-08
2746	609599.7	4170557	8.81E-08	3.92E-08	1.27E-07	1.46E-08	6.85E-09	2.15E-08	1.08E-08	3.91E-09	1.47E-08
2747	609599.8	4170547	7.28E-08	3.24E-08	1.05E-07	1.21E-08	5.65E-09	1.77E-08	8.92E-09	3.23E-09	1.21E-08
2748	609599.8	4170537	6.08E-08	2.71E-08	8.78E-08	1.01E-08	4.72E-09	1.48E-08	7.45E-09	2.70E-09	1.02E-08
2749	609599.8	4170527	5.13E-08	2.28E-08	7.42E-08	8.52E-09	3.99E-09	1.25E-08	6.29E-09	2.28E-09	8.57E-09
2750	609609.6	4170528	5.11E-08	2.28E-08	7.39E-08	8.50E-09	3.97E-09	1.25E-08	6.27E-09	2.27E-09	8.54E-09
2751	609599.8	4170517	4.37E-08	1.95E-08	6.32E-08	7.27E-09	3.40E-09	1.07E-08	5.36E-09	1.94E-09	7.31E-09
2752	609609.7	4170518	4.36E-08	1.94E-08	6.31E-08	7.25E-09	3.39E-09	1.06E-08	5.35E-09	1.94E-09	7.29E-09
2753	609599.9	4170507	3.76E-08	1.68E-08	5.44E-08	6.25E-09	2.92E-09	9.18E-09	4.61E-09	1.67E-09	6.29E-09
2754	609609.8	4170508	3.76E-08	1.67E-08	5.43E-08	6.24E-09	2.92E-09	9.16E-09	4.61E-09	1.67E-09	6.27E-09
2755	609599.9	4170497	3.27E-08	1.45E-08	4.72E-08	5.43E-09	2.54E-09	7.96E-09	4.00E-09	1.45E-09	5.45E-09
2756	609609.9	4170498	3.26E-08	1.45E-08	4.71E-08	5.41E-09	2.53E-09	7.95E-09	4.00E-09	1.45E-09	5.44E-09
2757	609599.9	4170487	2.86E-08	1.27E-08	4.13E-08	4.75E-09	2.22E-09	6.97E-09	3.50E-09	1.27E-09	4.77E-09
2758	609609.9	4170488	2.85E-08	1.27E-08	4.12E-08	4.74E-09	2.22E-09	6.95E-09	3.50E-09	1.27E-09	4.76E-09
2759	609610	4170478	2.51E-08	1.12E-08	3.63E-08	4.17E-09	1.95E-09	6.13E-09	3.08E-09	1.12E-09	4.20E-09
2760	609620.2	4170469	2.23E-08	9.92E-09	3.22E-08	3.70E-09	1.73E-09	5.43E-09	2.73E-09	9.89E-10	3.72E-09
2761	609620.6	4170419	1.34E-08	5.98E-09	1.94E-08	2.23E-09	1.04E-09	3.28E-09	1.65E-09	5.97E-10	2.25E-09
2762	609599.9	4170407	1.26E-08	5.62E-09	1.83E-08	2.10E-09	9.81E-10	3.08E-09	1.55E-09	5.61E-10	2.11E-09
2763	609610.3	4170408	1.25E-08	5.55E-09	1.80E-08	2.07E-09	9.69E-10	3.04E-09	1.53E-09	5.53E-10	2.08E-09
2764	609620.6	4170409	1.24E-08	5.50E-09	1.79E-08	2.05E-09	9.60E-10	3.01E-09	1.51E-09	5.48E-10	2.06E-09
2765	609631	4170410	1.23E-08	5.46E-09	1.77E-08	2.04E-09	9.54E-10	2.99E-09	1.51E-09	5.45E-10	2.05E-09
2766	609599.9	4170397	1.17E-08	5.20E-09	1.69E-08	1.94E-09	9.08E-10	2.85E-09	1.43E-09	5.19E-10	1.95E-09
2767	609610.3	4170398	1.15E-08	5.13E-09	1.67E-08	1.91E-09	8.96E-10	2.81E-09	1.41E-09	5.12E-10	1.92E-09
2768	609620.7	4170399	1.14E-08	5.08E-09	1.65E-08	1.89E-09	8.86E-10	2.78E-09	1.40E-09	5.06E-10	1.90E-09
2769	609631	4170400	1.13E-08	5.02E-09	1.63E-08	1.87E-09	8.77E-10	2.75E-09	1.38E-09	5.01E-10	1.88E-09
2770	609599.9	4170387	1.09E-08	4.83E-09	1.57E-08	1.80E-09	8.44E-10	2.65E-09	1.33E-09	4.82E-10	1.81E-09
2771	609610.3	4170388	1.07E-08	4.75E-09	1.54E-08	1.77E-09	8.29E-10	2.60E-09	1.31E-09	4.74E-10	1.78E-09
2772	609620.7	4170389	1.05E-08	4.68E-09	1.52E-08	1.75E-09	8.17E-10	2.56E-09	1.29E-09	4.67E-10	1.76E-09
2773	609631.1	4170390	1.04E-08	4.63E-09	1.50E-08	1.73E-09	8.08E-10	2.53E-09	1.27E-09	4.61E-10	1.74E-09
2774	609599.9	4170377	1.01E-08	4.51E-09	1.46E-08	1.68E-09	7.87E-10	2.47E-09	1.24E-09	4.50E-10	1.69E-09
2775	609610.3	4170378	9.92E-09	4.41E-09	1.43E-08	1.65E-09	7.71E-10	2.42E-09	1.22E-09	4.40E-10	1.66E-09
2776	609620.7	4170379	9.74E-09	4.34E-09	1.41E-08	1.62E-09	7.57E-10	2.37E-09	1.19E-09	4.32E-10	1.63E-09
2777	609631.1	4170380	9.63E-09	4.29E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.27E-10	1.61E-09
2778	609599.9	4170367	9.48E-09	4.22E-09	1.37E-08	1.57E-09	7.36E-10	2.31E-09	1.16E-09	4.21E-10	1.58E-09
2779	609610.4	4170368	9.27E-09	4.13E-09	1.34E-08	1.54E-09	7.20E-10	2.26E-09	1.14E-09	4.11E-10	1.55E-09
2780	609620.8	4170369	9.09E-09	4.05E-09	1.31E-08	1.51E-09	7.07E-10	2.22E-09	1.11E-09	4.04E-10	1.52E-09
2781	609631.2	4170370	8.98E-09	4.00E-09	1.30E-08	1.49E-09	6.98E-10	2.19E-09	1.10E-09	3.99E-10	1.50E-09
2782	609599.9	4170357	8.90E-09	3.96E-09	1.29E-08	1.48E-09	6.91E-10	2.17E-09	1.09E-09	3.95E-10	1.49E-09
2783	609610.4	4170358	8.70E-09	3.87E-09	1.26E-08	1.44E-09	6.76E-10	2.12E-09	1.07E-09	3.86E-10	1.45E-09
2784	609620.8	4170359	8.53E-09	3.80E-09	1.23E-08	1.42E-09	6.63E-10	2.08E-09	1.05E-09	3.78E-10	1.42E-09
2785	609631.2	4170360	8.41E-09	3.74E-09	1.22E-08	1.40E-09	6.54E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09
2786	609599.9	4170347	8.37E-09	3.73E-09	1.21E-08	1.39E-09	6.51E-10	2.04E-09	1.03E-09	3.72E-10	1.40E-09
2787	609610.4	4170348	8.19E-09	3.64E-09	1.18E-08	1.36E-09	6.36E-10	2.00E-09	1.00E-09	3.63E-10	1.37E-09
2788	609620.8	4170349	8.02E-09	3.57E-09	1.16E-08	1.33E-09	6.23E-10	1.96E-09	9.83E-10	3.56E-10	1.34E-09
2789	609631.3	4170350	7.91E-09	3.52E-09	1.14E-08	1.31E-09	6.14E-10	1.93E-09	9.69E-10	3.51E-10	1.32E-09
2790	609641.7	4170351	7.83E-09	3.48E-09	1.13E-08	1.30E-09	6.08E-10	1.91E-09	9.60E-10	3.47E-10	1.31E-09
2791	609599.9	4170337	7.90E-09	3.52E-09	1.14E-08	1.31E-09	6.14E-10	1.93E-09	9.69E-10	3.51E-10	1.32E-09
2792	609610.4	4170338	7.72E-09	3.44E-09	1.12E-08	1.28E-09	6.00E-10	1.88E-09	9.47E-10	3.43E-10	1.29E-09
2793	609620.9	4170339	7.56E-09	3.37E-09	1.09E-08	1.26E-09	5.88E-10	1.84E-09	9.28E-10	3.36E-10	1.26E-09
2794	609631.3	4170340	7.45E-09	3.32E-09	1.08E-08	1.24E-09	5.79E-10	1.82E-09	9.14E-10	3.31E-10	1.24E-09
2795	609641.8	4170341	7.37E-09	3.28E-09	1.07E-08	1.22E-09	5.73E-10	1.80E-09	9.04E-10	3.27E-10	1.23E-09
2796	609599.9	4170327	7.47E-09	3.33E-09	1.08E-08	1.24E-09	5.81E-10	1.82E-09	9.16E-10	3.32E-10	1.25E-09

2797	609610.4	4170328	7.30E-09	3.25E-09	1.06E-08	1.21E-09	5.67E-10	1.78E-09	8.95E-10	3.24E-10	1.22E-09
2798	609620.9	4170329	7.15E-09	3.18E-09	1.03E-08	1.19E-09	5.56E-10	1.74E-09	8.77E-10	3.17E-10	1.19E-09
2799	609631.4	4170330	7.04E-09	3.13E-09	1.02E-08	1.17E-09	5.47E-10	1.72E-09	8.63E-10	3.13E-10	1.18E-09
2800	609641.9	4170331	6.96E-09	3.10E-09	1.01E-08	1.16E-09	5.41E-10	1.70E-09	8.53E-10	3.09E-10	1.16E-09
2801	609599.9	4170317	7.09E-09	3.15E-09	1.02E-08	1.18E-09	5.51E-10	1.73E-09	8.69E-10	3.15E-10	1.18E-09
2802	609610.4	4170318	6.92E-09	3.08E-09	1.00E-08	1.15E-09	5.38E-10	1.69E-09	8.49E-10	3.07E-10	1.16E-09
2803	609620.9	4170319	6.78E-09	3.02E-09	9.79E-09	1.13E-09	5.27E-10	1.65E-09	8.31E-10	3.01E-10	1.13E-09
2804	609631.4	4170320	6.67E-09	2.97E-09	9.64E-09	1.11E-09	5.18E-10	1.63E-09	8.18E-10	2.96E-10	1.11E-09
2805	609641.9	4170321	6.59E-09	2.93E-09	9.52E-09	1.09E-09	5.12E-10	1.61E-09	8.08E-10	2.92E-10	1.10E-09
2806	609599.9	4170307	6.73E-09	3.00E-09	9.73E-09	1.12E-09	5.23E-10	1.64E-09	8.25E-10	2.99E-10	1.12E-09
2807	609610.4	4170308	6.58E-09	2.93E-09	9.50E-09	1.09E-09	5.11E-10	1.60E-09	8.06E-10	2.92E-10	1.10E-09
2808	609620.9	4170309	6.44E-09	2.86E-09	9.30E-09	1.07E-09	5.00E-10	1.57E-09	7.89E-10	2.86E-10	1.07E-09
2809	609631.4	4170310	6.33E-09	2.82E-09	9.15E-09	1.05E-09	4.92E-10	1.54E-09	7.76E-10	2.81E-10	1.06E-09
2810	609641.9	4170311	6.25E-09	2.78E-09	9.03E-09	1.04E-09	4.86E-10	1.52E-09	7.66E-10	2.77E-10	1.04E-09
2811	609586.9	4170597	2.46E-07	1.10E-07	3.56E-07	4.09E-08	1.91E-08	6.00E-08	3.02E-08	1.09E-08	4.11E-08
2812	609577.3	4170597	2.64E-07	1.18E-07	3.82E-07	4.39E-08	2.05E-08	6.44E-08	3.24E-08	1.17E-08	4.41E-08
2813	609567.7	4170596	2.82E-07	1.25E-07	4.07E-07	4.68E-08	2.19E-08	6.86E-08	3.45E-08	1.25E-08	4.70E-08
2814	609558	4170596	2.97E-07	1.32E-07	4.29E-07	4.93E-08	2.31E-08	7.24E-08	3.64E-08	1.32E-08	4.96E-08
2815	609548.4	4170596	3.10E-07	1.38E-07	4.48E-07	5.15E-08	2.41E-08	7.56E-08	3.80E-08	1.38E-08	5.17E-08
2816	609538.8	4170596	3.20E-07	1.42E-07	4.62E-07	5.32E-08	2.49E-08	7.80E-08	3.92E-08	1.42E-08	5.34E-08
2817	609529.2	4170596	3.28E-07	1.46E-07	4.73E-07	5.44E-08	2.54E-08	7.99E-08	4.02E-08	1.45E-08	5.47E-08
2818	609519.5	4170596	3.33E-07	1.48E-07	4.81E-07	5.52E-08	2.58E-08	8.11E-08	4.08E-08	1.48E-08	5.55E-08
2819	609509.9	4170596	3.35E-07	1.49E-07	4.84E-07	5.56E-08	2.60E-08	8.17E-08	4.11E-08	1.49E-08	5.59E-08
2820	609500.3	4170596	3.35E-07	1.49E-07	4.84E-07	5.57E-08	2.60E-08	8.17E-08	4.11E-08	1.49E-08	5.60E-08
2821	609490.6	4170596	3.33E-07	1.48E-07	4.81E-07	5.53E-08	2.59E-08	8.12E-08	4.08E-08	1.48E-08	5.56E-08
2822	609481	4170596	3.28E-07	1.46E-07	4.74E-07	5.45E-08	2.55E-08	8.00E-08	4.02E-08	1.46E-08	5.48E-08
2823	609471.4	4170596	3.21E-07	1.43E-07	4.64E-07	5.33E-08	2.49E-08	7.83E-08	3.94E-08	1.42E-08	5.36E-08
2824	609587	4170587	1.84E-07	8.19E-08	2.66E-07	3.06E-08	1.43E-08	4.49E-08	2.26E-08	8.17E-09	3.07E-08
2825	609577.4	4170587	1.95E-07	8.68E-08	2.82E-07	3.24E-08	1.52E-08	4.76E-08	2.39E-08	8.66E-09	3.26E-08
2826	609567.8	4170586	2.06E-07	9.19E-08	2.98E-07	3.43E-08	1.60E-08	5.03E-08	2.53E-08	9.16E-09	3.45E-08
2827	609558.1	4170586	2.17E-07	9.67E-08	3.14E-07	3.61E-08	1.69E-08	5.30E-08	2.66E-08	9.64E-09	3.63E-08
2828	609548.5	4170586	2.27E-07	1.01E-07	3.28E-07	3.77E-08	1.76E-08	5.53E-08	2.78E-08	1.01E-08	3.79E-08
2829	609538.9	4170586	2.35E-07	1.04E-07	3.39E-07	3.90E-08	1.82E-08	5.72E-08	2.88E-08	1.04E-08	3.92E-08
2830	609529.2	4170586	2.41E-07	1.07E-07	3.48E-07	4.00E-08	1.87E-08	5.87E-08	2.95E-08	1.07E-08	4.02E-08
2831	609519.6	4170586	2.45E-07	1.09E-07	3.54E-07	4.07E-08	1.91E-08	5.98E-08	3.01E-08	1.09E-08	4.10E-08
2832	609510	4170586	2.48E-07	1.10E-07	3.58E-07	4.11E-08	1.92E-08	6.04E-08	3.04E-08	1.10E-08	4.14E-08
2833	609500.3	4170586	2.48E-07	1.11E-07	3.59E-07	4.12E-08	1.93E-08	6.05E-08	3.04E-08	1.10E-08	4.15E-08
2834	609490.7	4170586	2.47E-07	1.10E-07	3.57E-07	4.11E-08	1.92E-08	6.03E-08	3.03E-08	1.10E-08	4.13E-08
2835	609481.1	4170586	2.44E-07	1.09E-07	3.53E-07	4.06E-08	1.90E-08	5.96E-08	3.00E-08	1.08E-08	4.08E-08
2836	609471.4	4170586	2.40E-07	1.07E-07	3.47E-07	3.99E-08	1.86E-08	5.85E-08	2.94E-08	1.07E-08	4.01E-08
2837	609587.1	4170577	1.43E-07	6.34E-08	2.06E-07	2.37E-08	1.11E-08	3.47E-08	1.75E-08	6.33E-09	2.38E-08
2838	609577.5	4170577	1.50E-07	6.66E-08	2.16E-07	2.48E-08	1.16E-08	3.65E-08	1.83E-08	6.64E-09	2.50E-08
2839	609567.8	4170576	1.57E-07	7.00E-08	2.27E-07	2.61E-08	1.22E-08	3.83E-08	1.93E-08	6.98E-09	2.63E-08
2840	609558.2	4170576	1.65E-07	7.33E-08	2.38E-07	2.74E-08	1.28E-08	4.02E-08	2.02E-08	7.31E-09	2.75E-08
2841	609548.6	4170576	1.72E-07	7.64E-08	2.48E-07	2.85E-08	1.33E-08	4.19E-08	2.11E-08	7.62E-09	2.87E-08
2842	609538.9	4170576	1.78E-07	7.91E-08	2.57E-07	2.95E-08	1.38E-08	4.34E-08	2.18E-08	7.89E-09	2.97E-08
2843	609529.3	4170576	1.83E-07	8.14E-08	2.64E-07	3.04E-08	1.42E-08	4.46E-08	2.24E-08	8.11E-09	3.05E-08
2844	609519.7	4170576	1.87E-07	8.30E-08	2.70E-07	3.10E-08	1.45E-08	4.55E-08	2.29E-08	8.28E-09	3.12E-08
2845	609510	4170576	1.89E-07	8.41E-08	2.73E-07	3.14E-08	1.47E-08	4.61E-08	2.32E-08	8.39E-09	3.16E-08
2846	609500.4	4170576	1.90E-07	8.47E-08	2.75E-07	3.16E-08	1.48E-08	4.64E-08	2.33E-08	8.44E-09	3.18E-08
2847	609490.8	4170576	1.90E-07	8.46E-08	2.75E-07	3.16E-08	1.48E-08	4.64E-08	2.33E-08	8.44E-09	3.18E-08
2848	609481.2	4170576	1.89E-07	8.41E-08	2.73E-07	3.14E-08	1.47E-08	4.61E-08	2.32E-08	8.39E-09	3.16E-08
2849	609423.4	4170575	1.67E-07	7.44E-08	2.42E-07	2.78E-08	1.30E-08	4.08E-08	2.05E-08	7.42E-09	2.79E-08
2850	609587.2	4170567	1.13E-07	5.03E-08	1.63E-07	1.88E-08	8.79E-09	2.76E-08	1.39E-08	5.02E-09	1.89E-08
2851	609577.5	4170567	1.18E-07	5.24E-08	1.70E-07	1.96E-08	9.15E-09	2.87E-08	1.44E-08	5.23E-09	1.97E-08
2852	609567.9	4170566	1.23E-07	5.47E-08	1.78E-07	2.04E-08	9.55E-09	3.00E-08	1.51E-08	5.46E-09	2.05E-08

2853	609558.3	4170566	1.28E-07	5.71E-08	1.85E-07	2.13E-08	9.97E-09	3.13E-08	1.57E-08	5.69E-09	2.14E-08
2854	609548.6	4170566	1.33E-07	5.94E-08	1.93E-07	2.22E-08	1.04E-08	3.25E-08	1.64E-08	5.92E-09	2.23E-08
2855	609539	4170566	1.38E-07	6.15E-08	2.00E-07	2.29E-08	1.07E-08	3.37E-08	1.69E-08	6.13E-09	2.31E-08
2856	609529.4	4170566	1.42E-07	6.33E-08	2.05E-07	2.36E-08	1.10E-08	3.47E-08	1.74E-08	6.31E-09	2.37E-08
2857	609519.8	4170566	1.46E-07	6.48E-08	2.10E-07	2.42E-08	1.13E-08	3.55E-08	1.78E-08	6.46E-09	2.43E-08
2858	609510.1	4170566	1.48E-07	6.59E-08	2.14E-07	2.46E-08	1.15E-08	3.61E-08	1.81E-08	6.57E-09	2.47E-08
2859	609500.5	4170566	1.50E-07	6.66E-08	2.16E-07	2.48E-08	1.16E-08	3.65E-08	1.83E-08	6.64E-09	2.50E-08
2860	609490.9	4170566	1.50E-07	6.69E-08	2.17E-07	2.50E-08	1.17E-08	3.66E-08	1.84E-08	6.67E-09	2.51E-08
2861	609587.2	4170557	9.15E-08	4.07E-08	1.32E-07	1.52E-08	7.11E-09	2.23E-08	1.12E-08	4.06E-09	1.53E-08
2862	609577.6	4170557	9.46E-08	4.21E-08	1.37E-07	1.57E-08	7.35E-09	2.31E-08	1.16E-08	4.20E-09	1.58E-08
2863	609568	4170556	9.82E-08	4.37E-08	1.42E-07	1.63E-08	7.63E-09	2.39E-08	1.20E-08	4.36E-09	1.64E-08
2864	609558.4	4170556	1.02E-07	4.54E-08	1.47E-07	1.69E-08	7.93E-09	2.49E-08	1.25E-08	4.53E-09	1.70E-08
2865	609548.7	4170556	1.06E-07	4.71E-08	1.53E-07	1.76E-08	8.23E-09	2.58E-08	1.30E-08	4.70E-09	1.77E-08
2866	609539.1	4170556	1.10E-07	4.88E-08	1.58E-07	1.82E-08	8.52E-09	2.67E-08	1.34E-08	4.86E-09	1.83E-08
2867	609529.5	4170556	1.13E-07	5.03E-08	1.63E-07	1.88E-08	8.78E-09	2.75E-08	1.38E-08	5.01E-09	1.89E-08
2868	609519.8	4170556	1.16E-07	5.16E-08	1.67E-07	1.92E-08	9.00E-09	2.83E-08	1.42E-08	5.14E-09	1.94E-08
2869	609510.2	4170556	1.18E-07	5.26E-08	1.71E-07	1.96E-08	9.19E-09	2.88E-08	1.45E-08	5.25E-09	1.98E-08
2870	609462.1	4170556	1.23E-07	5.46E-08	1.77E-07	2.04E-08	9.54E-09	2.99E-08	1.50E-08	5.45E-09	2.05E-08
2871	609452.4	4170556	1.23E-07	5.45E-08	1.77E-07	2.04E-08	9.52E-09	2.99E-08	1.50E-08	5.44E-09	2.05E-08
2872	609442.8	4170555	1.22E-07	5.43E-08	1.76E-07	2.03E-08	9.49E-09	2.98E-08	1.50E-08	5.42E-09	2.04E-08
2873	609433.2	4170555	1.21E-07	5.40E-08	1.75E-07	2.01E-08	9.42E-09	2.96E-08	1.49E-08	5.38E-09	2.03E-08
2874	609587.3	4170547	7.51E-08	3.34E-08	1.08E-07	1.25E-08	5.83E-09	1.83E-08	9.21E-09	3.33E-09	1.25E-08
2875	609577.7	4170547	7.73E-08	3.44E-08	1.12E-07	1.28E-08	6.01E-09	1.89E-08	9.48E-09	3.43E-09	1.29E-08
2876	609568.1	4170546	7.99E-08	3.56E-08	1.15E-07	1.33E-08	6.21E-09	1.95E-08	9.80E-09	3.55E-09	1.33E-08
2877	609558.4	4170546	8.27E-08	3.68E-08	1.19E-07	1.37E-08	6.43E-09	2.02E-08	1.01E-08	3.67E-09	1.38E-08
2878	609548.8	4170546	8.56E-08	3.81E-08	1.24E-07	1.42E-08	6.65E-09	2.09E-08	1.05E-08	3.80E-09	1.43E-08
2879	609539.2	4170546	8.86E-08	3.94E-08	1.28E-07	1.47E-08	6.88E-09	2.16E-08	1.09E-08	3.93E-09	1.48E-08
2880	609529.5	4170546	9.14E-08	4.07E-08	1.32E-07	1.52E-08	7.10E-09	2.23E-08	1.12E-08	4.06E-09	1.53E-08
2881	609519.9	4170546	9.40E-08	4.18E-08	1.36E-07	1.56E-08	7.30E-09	2.29E-08	1.15E-08	4.17E-09	1.57E-08
2882	609471.8	4170546	1.02E-07	4.55E-08	1.48E-07	1.70E-08	7.95E-09	2.49E-08	1.25E-08	4.54E-09	1.71E-08
2883	609462.1	4170546	1.03E-07	4.59E-08	1.49E-07	1.71E-08	8.01E-09	2.51E-08	1.26E-08	4.58E-09	1.72E-08
2884	609452.5	4170546	1.04E-07	4.62E-08	1.50E-07	1.72E-08	8.06E-09	2.53E-08	1.27E-08	4.60E-09	1.73E-08
2885	609442.9	4170545	1.04E-07	4.63E-08	1.50E-07	1.73E-08	8.08E-09	2.54E-08	1.28E-08	4.62E-09	1.74E-08
2886	609433.2	4170545	1.04E-07	4.63E-08	1.50E-07	1.73E-08	8.08E-09	2.54E-08	1.28E-08	4.62E-09	1.74E-08
2887	609423.6	4170545	1.04E-07	4.61E-08	1.50E-07	1.72E-08	8.05E-09	2.53E-08	1.27E-08	4.60E-09	1.73E-08
2888	609587.4	4170537	6.24E-08	2.78E-08	9.02E-08	1.04E-08	4.85E-09	1.52E-08	7.66E-09	2.77E-09	1.04E-08
2889	609577.8	4170537	6.41E-08	2.85E-08	9.26E-08	1.06E-08	4.98E-09	1.56E-08	7.86E-09	2.85E-09	1.07E-08
2890	609568.1	4170536	6.60E-08	2.94E-08	9.54E-08	1.10E-08	5.13E-09	1.61E-08	8.09E-09	2.93E-09	1.10E-08
2891	609558.5	4170536	6.81E-08	3.03E-08	9.84E-08	1.13E-08	5.29E-09	1.66E-08	8.35E-09	3.02E-09	1.14E-08
2892	609548.9	4170536	7.04E-08	3.13E-08	1.02E-07	1.17E-08	5.47E-09	1.72E-08	8.63E-09	3.13E-09	1.18E-08
2893	609539.3	4170536	7.28E-08	3.24E-08	1.05E-07	1.21E-08	5.66E-09	1.77E-08	8.93E-09	3.23E-09	1.22E-08
2894	609529.6	4170536	7.52E-08	3.35E-08	1.09E-07	1.25E-08	5.84E-09	1.83E-08	9.22E-09	3.34E-09	1.26E-08
2895	609481.5	4170536	8.51E-08	3.79E-08	1.23E-07	1.41E-08	6.61E-09	2.08E-08	1.04E-08	3.78E-09	1.42E-08
2896	609471.8	4170536	8.65E-08	3.85E-08	1.25E-07	1.44E-08	6.72E-09	2.11E-08	1.06E-08	3.84E-09	1.45E-08
2897	609462.2	4170536	8.78E-08	3.91E-08	1.27E-07	1.46E-08	6.82E-09	2.14E-08	1.08E-08	3.90E-09	1.47E-08
2898	609452.6	4170536	8.88E-08	3.95E-08	1.28E-07	1.48E-08	6.90E-09	2.17E-08	1.09E-08	3.94E-09	1.48E-08
2899	609442.9	4170535	8.96E-08	3.99E-08	1.29E-07	1.49E-08	6.96E-09	2.18E-08	1.10E-08	3.98E-09	1.50E-08
2900	609433.3	4170535	9.01E-08	4.01E-08	1.30E-07	1.50E-08	7.00E-09	2.20E-08	1.10E-08	4.00E-09	1.50E-08
2901	609423.7	4170535	9.02E-08	4.02E-08	1.30E-07	1.50E-08	7.01E-09	2.20E-08	1.11E-08	4.01E-09	1.51E-08
2902	609587.5	4170527	5.25E-08	2.34E-08	7.59E-08	8.73E-09	4.08E-09	1.28E-08	6.44E-09	2.33E-09	8.77E-09
2903	609577.8	4170527	5.38E-08	2.39E-08	7.77E-08	8.94E-09	4.18E-09	1.31E-08	6.60E-09	2.39E-09	8.98E-09
2904	609568.2	4170526	5.53E-08	2.46E-08	7.99E-08	9.18E-09	4.29E-09	1.35E-08	6.78E-09	2.45E-09	9.23E-09
2905	609558.6	4170526	5.69E-08	2.53E-08	8.23E-08	9.46E-09	4.42E-09	1.39E-08	6.98E-09	2.53E-09	9.51E-09
2906	609549	4170526	5.88E-08	2.62E-08	8.49E-08	9.76E-09	4.57E-09	1.43E-08	7.21E-09	2.61E-09	9.81E-09
2907	609500.8	4170526	6.88E-08	3.06E-08	9.94E-08	1.14E-08	5.35E-09	1.68E-08	8.44E-09	3.05E-09	1.15E-08
2908	609491.2	4170526	7.07E-08	3.15E-08	1.02E-07	1.17E-08	5.49E-09	1.72E-08	8.67E-09	3.14E-09	1.18E-08

2909	609481.5	4170526	7.24E-08	3.22E-08	1.05E-07	1.20E-08	5.63E-09	1.77E-08	8.88E-09	3.21E-09	1.21E-08
2910	609471.9	4170526	7.40E-08	3.30E-08	1.07E-07	1.23E-08	5.75E-09	1.81E-08	9.08E-09	3.29E-09	1.24E-08
2911	609462.3	4170526	7.55E-08	3.36E-08	1.09E-07	1.25E-08	5.87E-09	1.84E-08	9.26E-09	3.35E-09	1.26E-08
2912	609452.7	4170526	7.68E-08	3.42E-08	1.11E-07	1.28E-08	5.97E-09	1.87E-08	9.42E-09	3.41E-09	1.28E-08
2913	609443	4170525	7.79E-08	3.47E-08	1.13E-07	1.29E-08	6.05E-09	1.90E-08	9.55E-09	3.46E-09	1.30E-08
2914	609433.4	4170525	7.87E-08	3.50E-08	1.14E-07	1.31E-08	6.11E-09	1.92E-08	9.64E-09	3.49E-09	1.31E-08
2915	609423.8	4170525	7.92E-08	3.52E-08	1.14E-07	1.31E-08	6.15E-09	1.93E-08	9.71E-09	3.51E-09	1.32E-08
2916	609587.6	4170517	4.47E-08	1.99E-08	6.46E-08	7.42E-09	3.47E-09	1.09E-08	5.48E-09	1.98E-09	7.46E-09
2917	609577.9	4170517	4.57E-08	2.03E-08	6.60E-08	7.59E-09	3.55E-09	1.11E-08	5.60E-09	2.03E-09	7.63E-09
2918	609568.3	4170516	4.69E-08	2.09E-08	6.77E-08	7.78E-09	3.64E-09	1.14E-08	5.74E-09	2.08E-09	7.82E-09
2919	609558.7	4170516	4.82E-08	2.15E-08	6.97E-08	8.01E-09	3.75E-09	1.18E-08	5.91E-09	2.14E-09	8.05E-09
2920	609510.5	4170516	5.68E-08	2.53E-08	8.21E-08	9.44E-09	4.42E-09	1.39E-08	6.97E-09	2.52E-09	9.49E-09
2921	609500.9	4170516	5.87E-08	2.61E-08	8.48E-08	9.75E-09	4.56E-09	1.43E-08	7.20E-09	2.61E-09	9.80E-09
2922	609491.3	4170516	6.05E-08	2.69E-08	8.75E-08	1.01E-08	4.70E-09	1.48E-08	7.42E-09	2.69E-09	1.01E-08
2923	609481.6	4170516	6.23E-08	2.77E-08	9.00E-08	1.03E-08	4.84E-09	1.52E-08	7.64E-09	2.77E-09	1.04E-08
2924	609472	4170516	6.40E-08	2.85E-08	9.24E-08	1.06E-08	4.97E-09	1.56E-08	7.84E-09	2.84E-09	1.07E-08
2925	609462.4	4170516	6.55E-08	2.92E-08	9.47E-08	1.09E-08	5.09E-09	1.60E-08	8.03E-09	2.91E-09	1.09E-08
2926	609452.7	4170516	6.69E-08	2.98E-08	9.67E-08	1.11E-08	5.20E-09	1.63E-08	8.21E-09	2.97E-09	1.12E-08
2927	609443.1	4170515	6.81E-08	3.03E-08	9.85E-08	1.13E-08	5.29E-09	1.66E-08	8.35E-09	3.02E-09	1.14E-08
2928	609433.5	4170515	6.91E-08	3.08E-08	9.99E-08	1.15E-08	5.37E-09	1.69E-08	8.48E-09	3.07E-09	1.15E-08
2929	609423.8	4170515	6.99E-08	3.11E-08	1.01E-07	1.16E-08	5.43E-09	1.70E-08	8.56E-09	3.10E-09	1.17E-08
2930	609587.6	4170507	3.84E-08	1.71E-08	5.55E-08	6.38E-09	2.98E-09	9.36E-09	4.71E-09	1.70E-09	6.41E-09
2931	609578	4170507	3.92E-08	1.75E-08	5.67E-08	6.51E-09	3.05E-09	9.56E-09	4.81E-09	1.74E-09	6.55E-09
2932	609568.4	4170506	4.02E-08	1.79E-08	5.81E-08	6.67E-09	3.12E-09	9.80E-09	4.93E-09	1.78E-09	6.71E-09
2933	609520.2	4170506	4.72E-08	2.10E-08	6.82E-08	7.84E-09	3.67E-09	1.15E-08	5.79E-09	2.09E-09	7.88E-09
2934	609510.6	4170506	4.89E-08	2.18E-08	7.07E-08	8.12E-09	3.80E-09	1.19E-08	6.00E-09	2.17E-09	8.17E-09
2935	609501	4170506	5.06E-08	2.25E-08	7.32E-08	8.41E-09	3.93E-09	1.23E-08	6.21E-09	2.25E-09	8.46E-09
2936	609491.3	4170506	5.24E-08	2.33E-08	7.57E-08	8.70E-09	4.07E-09	1.28E-08	6.42E-09	2.32E-09	8.75E-09
2937	609481.7	4170506	5.41E-08	2.41E-08	7.82E-08	8.98E-09	4.20E-09	1.32E-08	6.63E-09	2.40E-09	9.03E-09
2938	609472.1	4170506	5.57E-08	2.48E-08	8.06E-08	9.26E-09	4.33E-09	1.36E-08	6.83E-09	2.47E-09	9.31E-09
2939	609462.4	4170506	5.73E-08	2.55E-08	8.28E-08	9.52E-09	4.45E-09	1.40E-08	7.03E-09	2.54E-09	9.57E-09
2940	609452.8	4170506	5.87E-08	2.61E-08	8.49E-08	9.76E-09	4.56E-09	1.43E-08	7.20E-09	2.61E-09	9.81E-09
2941	609443.2	4170505	6.00E-08	2.67E-08	8.67E-08	9.97E-09	4.66E-09	1.46E-08	7.36E-09	2.66E-09	1.00E-08
2942	609433.5	4170505	6.11E-08	2.72E-08	8.83E-08	1.02E-08	4.75E-09	1.49E-08	7.49E-09	2.71E-09	1.02E-08
2943	609423.9	4170505	6.20E-08	2.76E-08	8.95E-08	1.03E-08	4.81E-09	1.51E-08	7.60E-09	2.75E-09	1.03E-08
2944	609587.7	4170497	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.12E-09	4.08E-09	1.48E-09	5.56E-09
2945	609539.6	4170496	3.81E-08	1.70E-08	5.51E-08	6.33E-09	2.96E-09	9.29E-09	4.67E-09	1.69E-09	6.37E-09
2946	609529.9	4170496	3.95E-08	1.76E-08	5.71E-08	6.56E-09	3.07E-09	9.63E-09	4.84E-09	1.75E-09	6.59E-09
2947	609520.3	4170496	4.10E-08	1.82E-08	5.92E-08	6.80E-09	3.18E-09	9.99E-09	5.02E-09	1.82E-09	6.84E-09
2948	609510.7	4170496	4.25E-08	1.89E-08	6.14E-08	7.06E-09	3.30E-09	1.04E-08	5.21E-09	1.89E-09	7.10E-09
2949	609501	4170496	4.41E-08	1.96E-08	6.37E-08	7.33E-09	3.43E-09	1.08E-08	5.41E-09	1.96E-09	7.37E-09
2950	609491.4	4170496	4.57E-08	2.04E-08	6.61E-08	7.60E-09	3.55E-09	1.12E-08	5.61E-09	2.03E-09	7.64E-09
2951	609481.8	4170496	4.74E-08	2.11E-08	6.84E-08	7.87E-09	3.68E-09	1.15E-08	5.81E-09	2.10E-09	7.91E-09
2952	609472.1	4170496	4.89E-08	2.18E-08	7.07E-08	8.13E-09	3.80E-09	1.19E-08	6.00E-09	2.17E-09	8.17E-09
2953	609462.5	4170496	5.05E-08	2.25E-08	7.29E-08	8.38E-09	3.92E-09	1.23E-08	6.19E-09	2.24E-09	8.43E-09
2954	609452.9	4170496	5.19E-08	2.31E-08	7.50E-08	8.62E-09	4.03E-09	1.26E-08	6.36E-09	2.30E-09	8.66E-09
2955	609443.3	4170495	5.32E-08	2.37E-08	7.68E-08	8.83E-09	4.13E-09	1.30E-08	6.52E-09	2.36E-09	8.88E-09
2956	609433.6	4170495	5.43E-08	2.42E-08	7.85E-08	9.02E-09	4.22E-09	1.32E-08	6.66E-09	2.41E-09	9.07E-09
2957	609424	4170495	5.52E-08	2.46E-08	7.98E-08	9.17E-09	4.29E-09	1.35E-08	6.77E-09	2.45E-09	9.22E-09
2958	609549.3	4170486	3.23E-08	1.44E-08	4.66E-08	5.36E-09	2.51E-09	7.87E-09	3.96E-09	1.43E-09	5.39E-09
2959	609539.6	4170486	3.34E-08	1.49E-08	4.82E-08	5.54E-09	2.59E-09	8.14E-09	4.09E-09	1.48E-09	5.57E-09
2960	609530	4170486	3.46E-08	1.54E-08	5.00E-08	5.74E-09	2.69E-09	8.43E-09	4.24E-09	1.53E-09	5.77E-09
2961	609520.4	4170486	3.59E-08	1.60E-08	5.19E-08	5.96E-09	2.79E-09	8.75E-09	4.40E-09	1.59E-09	5.99E-09
2962	609510.7	4170486	3.73E-08	1.66E-08	5.39E-08	6.20E-09	2.90E-09	9.09E-09	4.57E-09	1.66E-09	6.23E-09
2963	609501.1	4170486	3.88E-08	1.73E-08	5.60E-08	6.44E-09	3.01E-09	9.45E-09	4.75E-09	1.72E-09	6.47E-09
2964	609491.5	4170486	4.03E-08	1.79E-08	5.82E-08	6.69E-09	3.13E-09	9.82E-09	4.94E-09	1.79E-09	6.72E-09

2965	609481.9	4170486	4.18E-08	1.86E-08	6.04E-08	6.94E-09	3.25E-09	1.02E-08	5.12E-09	1.85E-09	6.98E-09
2966	609472.2	4170486	4.33E-08	1.93E-08	6.25E-08	7.19E-09	3.36E-09	1.05E-08	5.30E-09	1.92E-09	7.22E-09
2967	609462.6	4170486	4.47E-08	1.99E-08	6.46E-08	7.43E-09	3.47E-09	1.09E-08	5.48E-09	1.98E-09	7.47E-09
2968	609453	4170486	4.61E-08	2.05E-08	6.66E-08	7.65E-09	3.58E-09	1.12E-08	5.65E-09	2.04E-09	7.69E-09
2969	609443.3	4170485	4.73E-08	2.11E-08	6.84E-08	7.86E-09	3.68E-09	1.15E-08	5.80E-09	2.10E-09	7.90E-09
2970	609433.7	4170485	4.85E-08	2.16E-08	7.00E-08	8.05E-09	3.77E-09	1.18E-08	5.94E-09	2.15E-09	8.09E-09
2971	609424.1	4170485	4.94E-08	2.20E-08	7.14E-08	8.21E-09	3.84E-09	1.21E-08	6.06E-09	2.19E-09	8.26E-09
2972	609559	4170476	2.76E-08	1.23E-08	3.99E-08	4.59E-09	2.15E-09	6.74E-09	3.39E-09	1.23E-09	4.62E-09
2973	609549.3	4170476	2.85E-08	1.27E-08	4.12E-08	4.73E-09	2.21E-09	6.95E-09	3.49E-09	1.27E-09	4.76E-09
2974	609539.7	4170476	2.95E-08	1.31E-08	4.26E-08	4.90E-09	2.29E-09	7.19E-09	3.61E-09	1.31E-09	4.92E-09
2975	609530.1	4170476	3.06E-08	1.36E-08	4.42E-08	5.08E-09	2.37E-09	7.45E-09	3.75E-09	1.36E-09	5.10E-09
2976	609520.5	4170476	3.17E-08	1.41E-08	4.59E-08	5.27E-09	2.47E-09	7.74E-09	3.89E-09	1.41E-09	5.30E-09
2977	609510.8	4170476	3.30E-08	1.47E-08	4.77E-08	5.48E-09	2.56E-09	8.05E-09	4.05E-09	1.47E-09	5.51E-09
2978	609501.2	4170476	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.73E-09
2979	609491.6	4170476	3.57E-08	1.59E-08	5.16E-08	5.93E-09	2.77E-09	8.71E-09	4.38E-09	1.59E-09	5.96E-09
2980	609481.9	4170476	3.71E-08	1.65E-08	5.36E-08	6.16E-09	2.88E-09	9.05E-09	4.55E-09	1.65E-09	6.20E-09
2981	609472.3	4170476	3.85E-08	1.71E-08	5.56E-08	6.39E-09	2.99E-09	9.38E-09	4.72E-09	1.71E-09	6.43E-09
2982	609462.7	4170476	3.98E-08	1.77E-08	5.76E-08	6.62E-09	3.10E-09	9.71E-09	4.88E-09	1.77E-09	6.65E-09
2983	609453	4170476	4.11E-08	1.83E-08	5.94E-08	6.83E-09	3.20E-09	1.00E-08	5.04E-09	1.83E-09	6.87E-09
2984	609443.4	4170475	4.23E-08	1.88E-08	6.12E-08	7.03E-09	3.29E-09	1.03E-08	5.19E-09	1.88E-09	7.07E-09
2985	609433.8	4170475	4.35E-08	1.93E-08	6.28E-08	7.22E-09	3.38E-09	1.06E-08	5.33E-09	1.93E-09	7.26E-09
2986	609424.1	4170475	4.44E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.45E-09	1.97E-09	7.42E-09
2987	609578.3	4170467	2.34E-08	1.04E-08	3.38E-08	3.88E-09	1.82E-09	5.70E-09	2.86E-09	1.04E-09	3.90E-09
2988	609568.7	4170466	2.39E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
2989	609559.1	4170466	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
2990	609549.4	4170466	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.97E-09	6.19E-09	3.11E-09	1.13E-09	4.24E-09
2991	609539.8	4170466	2.63E-08	1.17E-08	3.79E-08	4.36E-09	2.04E-09	6.40E-09	3.22E-09	1.17E-09	4.39E-09
2992	609530.2	4170466	2.72E-08	1.21E-08	3.93E-08	4.52E-09	2.12E-09	6.64E-09	3.34E-09	1.21E-09	4.55E-09
2993	609520.5	4170466	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.90E-09	3.47E-09	1.26E-09	4.72E-09
2994	609510.9	4170466	2.94E-08	1.31E-08	4.25E-08	4.89E-09	2.29E-09	7.18E-09	3.61E-09	1.31E-09	4.91E-09
2995	609501.3	4170466	3.06E-08	1.36E-08	4.43E-08	5.09E-09	2.38E-09	7.47E-09	3.76E-09	1.36E-09	5.12E-09
2996	609491.6	4170466	3.19E-08	1.42E-08	4.61E-08	5.30E-09	2.48E-09	7.77E-09	3.91E-09	1.42E-09	5.32E-09
2997	609482	4170466	3.32E-08	1.48E-08	4.79E-08	5.51E-09	2.58E-09	8.08E-09	4.06E-09	1.47E-09	5.54E-09
2998	609472.4	4170466	3.44E-08	1.53E-08	4.98E-08	5.72E-09	2.68E-09	8.39E-09	4.22E-09	1.53E-09	5.75E-09
2999	609462.7	4170466	3.57E-08	1.59E-08	5.16E-08	5.93E-09	2.77E-09	8.70E-09	4.38E-09	1.58E-09	5.96E-09
3000	609453.1	4170466	3.69E-08	1.64E-08	5.33E-08	6.13E-09	2.87E-09	9.00E-09	4.52E-09	1.64E-09	6.16E-09
3001	609443.5	4170465	3.81E-08	1.69E-08	5.50E-08	6.32E-09	2.96E-09	9.28E-09	4.67E-09	1.69E-09	6.36E-09
3002	609433.9	4170465	3.91E-08	1.74E-08	5.65E-08	6.50E-09	3.04E-09	9.54E-09	4.80E-09	1.74E-09	6.53E-09
3003	609424.2	4170465	4.01E-08	1.78E-08	5.79E-08	6.66E-09	3.11E-09	9.77E-09	4.91E-09	1.78E-09	6.69E-09
3004	609588	4170457	2.05E-08	9.12E-09	2.96E-08	3.40E-09	1.59E-09	5.00E-09	2.51E-09	9.09E-10	3.42E-09
3005	609578.4	4170457	2.09E-08	9.32E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.29E-10	3.50E-09
3006	609568.8	4170456	2.15E-08	9.55E-09	3.10E-08	3.57E-09	1.67E-09	5.23E-09	2.63E-09	9.53E-10	3.59E-09
3007	609559.1	4170456	2.21E-08	9.83E-09	3.19E-08	3.67E-09	1.72E-09	5.38E-09	2.71E-09	9.80E-10	3.69E-09
3008	609549.5	4170456	2.28E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
3009	609539.9	4170456	2.36E-08	1.05E-08	3.41E-08	3.91E-09	1.83E-09	5.75E-09	2.89E-09	1.05E-09	3.94E-09
3010	609530.2	4170456	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.08E-09	4.08E-09
3011	609520.6	4170456	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.97E-09	6.19E-09	3.11E-09	1.13E-09	4.24E-09
3012	609511	4170456	2.64E-08	1.18E-08	3.82E-08	4.39E-09	2.05E-09	6.44E-09	3.24E-09	1.17E-09	4.41E-09
3013	609501.3	4170456	2.75E-08	1.22E-08	3.97E-08	4.57E-09	2.14E-09	6.71E-09	3.37E-09	1.22E-09	4.59E-09
3014	609491.7	4170456	2.86E-08	1.27E-08	4.14E-08	4.76E-09	2.23E-09	6.98E-09	3.51E-09	1.27E-09	4.78E-09
3015	609482.1	4170456	2.98E-08	1.33E-08	4.31E-08	4.95E-09	2.32E-09	7.27E-09	3.65E-09	1.32E-09	4.98E-09
3016	609472.5	4170456	3.10E-08	1.38E-08	4.48E-08	5.14E-09	2.41E-09	7.55E-09	3.80E-09	1.37E-09	5.17E-09
3017	609462.8	4170456	3.21E-08	1.43E-08	4.64E-08	5.34E-09	2.50E-09	7.83E-09	3.94E-09	1.43E-09	5.37E-09
3018	609453.2	4170456	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.58E-09	8.11E-09	4.08E-09	1.48E-09	5.55E-09
3019	609443.6	4170455	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.37E-09	4.21E-09	1.52E-09	5.74E-09
3020	609433.9	4170455	3.54E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.62E-09	4.34E-09	1.57E-09	5.90E-09

3021	609424.3	4170455	3.63E-08	1.62E-08	5.24E-08	6.03E-09	2.82E-09	8.85E-09	4.45E-09	1.61E-09	6.06E-09
3022	609588.1	4170447	1.85E-08	8.22E-09	2.67E-08	3.07E-09	1.44E-09	4.51E-09	2.27E-09	8.20E-10	3.09E-09
3023	609578.5	4170447	1.89E-08	8.41E-09	2.73E-08	3.14E-09	1.47E-09	4.61E-09	2.32E-09	8.39E-10	3.16E-09
3024	609568.8	4170446	1.94E-08	8.63E-09	2.80E-08	3.22E-09	1.51E-09	4.73E-09	2.38E-09	8.60E-10	3.24E-09
3025	609559.2	4170446	1.99E-08	8.88E-09	2.88E-08	3.31E-09	1.55E-09	4.86E-09	2.45E-09	8.85E-10	3.33E-09
3026	609549.6	4170446	2.06E-08	9.16E-09	2.97E-08	3.42E-09	1.60E-09	5.02E-09	2.52E-09	9.13E-10	3.44E-09
3027	609539.9	4170446	2.13E-08	9.48E-09	3.08E-08	3.54E-09	1.65E-09	5.19E-09	2.61E-09	9.45E-10	3.56E-09
3028	609530.3	4170446	2.21E-08	9.82E-09	3.19E-08	3.67E-09	1.72E-09	5.38E-09	2.71E-09	9.80E-10	3.69E-09
3029	609520.7	4170446	2.29E-08	1.02E-08	3.31E-08	3.81E-09	1.78E-09	5.59E-09	2.81E-09	1.02E-09	3.83E-09
3030	609511.1	4170446	2.39E-08	1.06E-08	3.45E-08	3.96E-09	1.85E-09	5.82E-09	2.93E-09	1.06E-09	3.99E-09
3031	609501.4	4170446	2.48E-08	1.11E-08	3.59E-08	4.13E-09	1.93E-09	6.06E-09	3.05E-09	1.10E-09	4.15E-09
3032	609491.8	4170446	2.59E-08	1.15E-08	3.74E-08	4.30E-09	2.01E-09	6.31E-09	3.17E-09	1.15E-09	4.32E-09
3033	609482.2	4170446	2.69E-08	1.20E-08	3.89E-08	4.47E-09	2.09E-09	6.56E-09	3.30E-09	1.19E-09	4.50E-09
3034	609472.5	4170446	2.80E-08	1.25E-08	4.05E-08	4.65E-09	2.18E-09	6.83E-09	3.43E-09	1.24E-09	4.67E-09
3035	609462.9	4170446	2.91E-08	1.29E-08	4.20E-08	4.83E-09	2.26E-09	7.09E-09	3.56E-09	1.29E-09	4.85E-09
3036	609453.3	4170446	3.01E-08	1.34E-08	4.35E-08	5.00E-09	2.34E-09	7.34E-09	3.69E-09	1.34E-09	5.03E-09
3037	609443.6	4170445	3.11E-08	1.38E-08	4.50E-08	5.17E-09	2.42E-09	7.59E-09	3.82E-09	1.38E-09	5.20E-09
3038	609434	4170445	3.21E-08	1.43E-08	4.64E-08	5.33E-09	2.49E-09	7.82E-09	3.93E-09	1.42E-09	5.36E-09
3039	609424.4	4170445	3.30E-08	1.47E-08	4.76E-08	5.48E-09	2.56E-09	8.04E-09	4.04E-09	1.46E-09	5.51E-09
3040	609588.2	4170437	1.68E-08	7.46E-09	2.42E-08	2.79E-09	1.30E-09	4.09E-09	2.06E-09	7.44E-10	2.80E-09
3041	609578.5	4170437	1.72E-08	7.64E-09	2.48E-08	2.85E-09	1.33E-09	4.18E-09	2.10E-09	7.62E-10	2.87E-09
3042	609568.9	4170436	1.76E-08	7.84E-09	2.54E-08	2.93E-09	1.37E-09	4.29E-09	2.16E-09	7.82E-10	2.94E-09
3043	609559.3	4170436	1.81E-08	8.07E-09	2.62E-08	3.01E-09	1.41E-09	4.42E-09	2.22E-09	8.04E-10	3.03E-09
3044	609549.7	4170436	1.87E-08	8.32E-09	2.70E-08	3.11E-09	1.45E-09	4.56E-09	2.29E-09	8.30E-10	3.12E-09
3045	609540	4170436	1.93E-08	8.61E-09	2.80E-08	3.21E-09	1.50E-09	4.72E-09	2.37E-09	8.59E-10	3.23E-09
3046	609530.4	4170436	2.01E-08	8.93E-09	2.90E-08	3.33E-09	1.56E-09	4.89E-09	2.46E-09	8.90E-10	3.35E-09
3047	609520.8	4170436	2.08E-08	9.27E-09	3.01E-08	3.46E-09	1.62E-09	5.08E-09	2.55E-09	9.25E-10	3.48E-09
3048	609511.1	4170436	2.17E-08	9.65E-09	3.13E-08	3.60E-09	1.68E-09	5.28E-09	2.66E-09	9.62E-10	3.62E-09
3049	609501.5	4170436	2.26E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.50E-09	2.77E-09	1.00E-09	3.77E-09
3050	609491.9	4170436	2.35E-08	1.05E-08	3.39E-08	3.90E-09	1.82E-09	5.73E-09	2.88E-09	1.04E-09	3.92E-09
3051	609482.2	4170436	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.96E-09	3.00E-09	1.08E-09	4.08E-09
3052	609472.6	4170436	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.24E-09
3053	609463	4170436	2.64E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.44E-09	3.24E-09	1.17E-09	4.41E-09
3054	609453.3	4170436	2.74E-08	1.22E-08	3.95E-08	4.55E-09	2.13E-09	6.67E-09	3.36E-09	1.21E-09	4.57E-09
3055	609443.7	4170435	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.90E-09	3.47E-09	1.26E-09	4.73E-09
3056	609434.1	4170435	2.92E-08	1.30E-08	4.22E-08	4.85E-09	2.27E-09	7.12E-09	3.58E-09	1.30E-09	4.88E-09
3057	609424.5	4170435	3.00E-08	1.34E-08	4.34E-08	4.99E-09	2.33E-09	7.33E-09	3.68E-09	1.33E-09	5.02E-09
3058	609588.4	4170407	1.29E-08	5.76E-09	1.87E-08	2.15E-09	1.01E-09	3.16E-09	1.59E-09	5.75E-10	2.16E-09
3059	609578.8	4170407	1.33E-08	5.90E-09	1.92E-08	2.20E-09	1.03E-09	3.23E-09	1.63E-09	5.89E-10	2.22E-09
3060	609569.1	4170406	1.36E-08	6.07E-09	1.97E-08	2.26E-09	1.06E-09	3.32E-09	1.67E-09	6.05E-10	2.28E-09
3061	609559.5	4170406	1.40E-08	6.25E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.23E-10	2.34E-09
3062	609549.9	4170406	1.45E-08	6.44E-09	2.09E-08	2.41E-09	1.13E-09	3.53E-09	1.78E-09	6.43E-10	2.42E-09
3063	609540.3	4170406	1.50E-08	6.66E-09	2.16E-08	2.49E-09	1.16E-09	3.65E-09	1.84E-09	6.64E-10	2.50E-09
3064	609530.6	4170406	1.55E-08	6.90E-09	2.24E-08	2.58E-09	1.20E-09	3.78E-09	1.90E-09	6.88E-10	2.59E-09
3065	609521	4170406	1.61E-08	7.16E-09	2.32E-08	2.67E-09	1.25E-09	3.92E-09	1.97E-09	7.14E-10	2.69E-09
3066	609511.4	4170406	1.67E-08	7.43E-09	2.41E-08	2.77E-09	1.30E-09	4.07E-09	2.05E-09	7.41E-10	2.79E-09
3067	609501.7	4170406	1.74E-08	7.73E-09	2.51E-08	2.88E-09	1.35E-09	4.23E-09	2.13E-09	7.71E-10	2.90E-09
3068	609492.1	4170406	1.81E-08	8.03E-09	2.61E-08	3.00E-09	1.40E-09	4.40E-09	2.21E-09	8.01E-10	3.01E-09
3069	609482.5	4170406	1.88E-08	8.35E-09	2.71E-08	3.12E-09	1.46E-09	4.58E-09	2.30E-09	8.33E-10	3.13E-09
3070	609472.8	4170406	1.95E-08	8.68E-09	2.82E-08	3.24E-09	1.52E-09	4.76E-09	2.39E-09	8.66E-10	3.26E-09
3071	609463.2	4170406	2.03E-08	9.01E-09	2.93E-08	3.36E-09	1.57E-09	4.94E-09	2.48E-09	8.99E-10	3.38E-09
3072	609453.6	4170406	2.10E-08	9.35E-09	3.04E-08	3.49E-09	1.63E-09	5.12E-09	2.58E-09	9.32E-10	3.51E-09
3073	609443.9	4170405	2.17E-08	9.68E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.67E-09	9.65E-10	3.63E-09
3074	609434.3	4170405	2.25E-08	1.00E-08	3.25E-08	3.73E-09	1.75E-09	5.48E-09	2.76E-09	9.97E-10	3.75E-09
3075	609424.7	4170405	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
3076	609588.5	4170397	1.20E-08	5.33E-09	1.73E-08	1.99E-09	9.31E-10	2.92E-09	1.47E-09	5.32E-10	2.00E-09

3077	609578.9	4170397	1.23E-08	5.47E-09	1.78E-08	2.04E-09	9.55E-10	3.00E-09	1.51E-09	5.45E-10	2.05E-09
3078	609569.2	4170396	1.26E-08	5.62E-09	1.82E-08	2.10E-09	9.81E-10	3.08E-09	1.55E-09	5.60E-10	2.11E-09
3079	609559.6	4170396	1.30E-08	5.79E-09	1.88E-08	2.16E-09	1.01E-09	3.17E-09	1.59E-09	5.77E-10	2.17E-09
3080	609550	4170396	1.34E-08	5.97E-09	1.94E-08	2.23E-09	1.04E-09	3.27E-09	1.64E-09	5.95E-10	2.24E-09
3081	609540.3	4170396	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.31E-09
3082	609530.7	4170396	1.43E-08	6.39E-09	2.07E-08	2.38E-09	1.11E-09	3.50E-09	1.76E-09	6.37E-10	2.40E-09
3083	609521.1	4170396	1.49E-08	6.62E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.82E-09	6.60E-10	2.48E-09
3084	609511.4	4170396	1.54E-08	6.87E-09	2.23E-08	2.57E-09	1.20E-09	3.76E-09	1.89E-09	6.85E-10	2.58E-09
3085	609501.8	4170396	1.60E-08	7.14E-09	2.32E-08	2.66E-09	1.25E-09	3.91E-09	1.97E-09	7.12E-10	2.68E-09
3086	609492.2	4170396	1.67E-08	7.42E-09	2.41E-08	2.77E-09	1.30E-09	4.06E-09	2.04E-09	7.40E-10	2.78E-09
3087	609482.5	4170396	1.73E-08	7.71E-09	2.50E-08	2.88E-09	1.35E-09	4.22E-09	2.12E-09	7.69E-10	2.89E-09
3088	609472.9	4170396	1.80E-08	8.01E-09	2.60E-08	2.99E-09	1.40E-09	4.39E-09	2.21E-09	7.99E-10	3.00E-09
3089	609463.3	4170396	1.87E-08	8.31E-09	2.70E-08	3.10E-09	1.45E-09	4.55E-09	2.29E-09	8.29E-10	3.12E-09
3090	609453.7	4170396	1.94E-08	8.62E-09	2.80E-08	3.22E-09	1.50E-09	4.72E-09	2.37E-09	8.59E-10	3.23E-09
3091	609444	4170395	2.00E-08	8.92E-09	2.90E-08	3.33E-09	1.56E-09	4.89E-09	2.46E-09	8.90E-10	3.35E-09
3092	609434.4	4170395	2.07E-08	9.22E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.20E-10	3.46E-09
3093	609424.8	4170395	2.14E-08	9.51E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.48E-10	3.57E-09
3094	609588.6	4170387	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
3095	609578.9	4170387	1.14E-08	5.08E-09	1.65E-08	1.90E-09	8.88E-10	2.79E-09	1.40E-09	5.07E-10	1.91E-09
3096	609569.3	4170386	1.17E-08	5.22E-09	1.70E-08	1.95E-09	9.12E-10	2.86E-09	1.44E-09	5.21E-10	1.96E-09
3097	609559.7	4170386	1.21E-08	5.38E-09	1.75E-08	2.01E-09	9.39E-10	2.95E-09	1.48E-09	5.36E-10	2.02E-09
3098	609550	4170386	1.25E-08	5.55E-09	1.80E-08	2.07E-09	9.69E-10	3.04E-09	1.53E-09	5.53E-10	2.08E-09
3099	609540.4	4170386	1.29E-08	5.73E-09	1.86E-08	2.14E-09	1.00E-09	3.14E-09	1.58E-09	5.72E-10	2.15E-09
3100	609530.8	4170386	1.33E-08	5.93E-09	1.93E-08	2.21E-09	1.04E-09	3.25E-09	1.63E-09	5.92E-10	2.23E-09
3101	609521.1	4170386	1.38E-08	6.15E-09	2.00E-08	2.29E-09	1.07E-09	3.37E-09	1.69E-09	6.13E-10	2.31E-09
3102	609511.5	4170386	1.43E-08	6.38E-09	2.07E-08	2.38E-09	1.11E-09	3.49E-09	1.76E-09	6.36E-10	2.39E-09
3103	609501.9	4170386	1.49E-08	6.62E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.82E-09	6.60E-10	2.48E-09
3104	609492.3	4170386	1.54E-08	6.87E-09	2.23E-08	2.56E-09	1.20E-09	3.76E-09	1.89E-09	6.85E-10	2.58E-09
3105	609482.6	4170386	1.60E-08	7.14E-09	2.32E-08	2.66E-09	1.25E-09	3.91E-09	1.97E-09	7.12E-10	2.68E-09
3106	609473	4170386	1.66E-08	7.41E-09	2.41E-08	2.77E-09	1.29E-09	4.06E-09	2.04E-09	7.39E-10	2.78E-09
3107	609463.4	4170386	1.73E-08	7.69E-09	2.50E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.67E-10	2.88E-09
3108	609453.7	4170386	1.79E-08	7.97E-09	2.59E-08	2.97E-09	1.39E-09	4.37E-09	2.20E-09	7.95E-10	2.99E-09
3109	609444.1	4170385	1.85E-08	8.25E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.23E-10	3.10E-09
3110	609434.5	4170385	1.92E-08	8.52E-09	2.77E-08	3.18E-09	1.49E-09	4.67E-09	2.35E-09	8.50E-10	3.20E-09
3111	609424.8	4170385	1.98E-08	8.79E-09	2.86E-08	3.28E-09	1.54E-09	4.82E-09	2.42E-09	8.77E-10	3.30E-09
3112	609588.6	4170377	1.04E-08	4.63E-09	1.50E-08	1.73E-09	8.08E-10	2.53E-09	1.27E-09	4.61E-10	1.74E-09
3113	609579	4170377	1.07E-08	4.74E-09	1.54E-08	1.77E-09	8.28E-10	2.60E-09	1.31E-09	4.73E-10	1.78E-09
3114	609569.4	4170376	1.10E-08	4.87E-09	1.58E-08	1.82E-09	8.51E-10	2.67E-09	1.34E-09	4.86E-10	1.83E-09
3115	609559.7	4170376	1.13E-08	5.02E-09	1.63E-08	1.87E-09	8.76E-10	2.75E-09	1.38E-09	5.00E-10	1.88E-09
3116	609550.1	4170376	1.16E-08	5.17E-09	1.68E-08	1.93E-09	9.03E-10	2.83E-09	1.43E-09	5.16E-10	1.94E-09
3117	609540.5	4170376	1.20E-08	5.34E-09	1.74E-08	1.99E-09	9.33E-10	2.93E-09	1.47E-09	5.33E-10	2.01E-09
3118	609530.9	4170376	1.24E-08	5.53E-09	1.79E-08	2.06E-09	9.65E-10	3.03E-09	1.52E-09	5.51E-10	2.07E-09
3119	609521.2	4170376	1.29E-08	5.72E-09	1.86E-08	2.14E-09	9.99E-10	3.14E-09	1.58E-09	5.71E-10	2.15E-09
3120	609511.6	4170376	1.33E-08	5.93E-09	1.93E-08	2.21E-09	1.04E-09	3.25E-09	1.63E-09	5.92E-10	2.23E-09
3121	609502	4170376	1.38E-08	6.15E-09	2.00E-08	2.30E-09	1.07E-09	3.37E-09	1.70E-09	6.14E-10	2.31E-09
3122	609492.3	4170376	1.44E-08	6.39E-09	2.07E-08	2.38E-09	1.12E-09	3.50E-09	1.76E-09	6.37E-10	2.40E-09
3123	609482.7	4170376	1.49E-08	6.63E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.83E-09	6.61E-10	2.49E-09
3124	609473.1	4170376	1.55E-08	6.88E-09	2.23E-08	2.57E-09	1.20E-09	3.77E-09	1.89E-09	6.86E-10	2.58E-09
3125	609463.4	4170376	1.60E-08	7.13E-09	2.32E-08	2.66E-09	1.25E-09	3.91E-09	1.96E-09	7.11E-10	2.68E-09
3126	609453.8	4170376	1.66E-08	7.39E-09	2.40E-08	2.76E-09	1.29E-09	4.05E-09	2.04E-09	7.37E-10	2.77E-09
3127	609444.2	4170375	1.72E-08	7.65E-09	2.48E-08	2.85E-09	1.34E-09	4.19E-09	2.11E-09	7.63E-10	2.87E-09
3128	609434.6	4170375	1.78E-08	7.90E-09	2.57E-08	2.95E-09	1.38E-09	4.33E-09	2.18E-09	7.88E-10	2.97E-09
3129	609424.9	4170375	1.83E-08	8.15E-09	2.65E-08	3.04E-09	1.42E-09	4.47E-09	2.25E-09	8.13E-10	3.06E-09
3130	609588.7	4170367	9.73E-09	4.33E-09	1.41E-08	1.62E-09	7.56E-10	2.37E-09	1.19E-09	4.32E-10	1.62E-09
3131	609579.1	4170367	9.98E-09	4.44E-09	1.44E-08	1.66E-09	7.75E-10	2.43E-09	1.22E-09	4.43E-10	1.67E-09
3132	609569.5	4170366	1.03E-08	4.56E-09	1.48E-08	1.70E-09	7.97E-10	2.50E-09	1.26E-09	4.55E-10	1.71E-09

3133	609559.8	4170366	1.06E-08	4.70E-09	1.52E-08	1.75E-09	8.20E-10	2.57E-09	1.29E-09	4.68E-10	1.76E-09
3134	609550.2	4170366	1.09E-08	4.84E-09	1.57E-08	1.81E-09	8.45E-10	2.65E-09	1.33E-09	4.83E-10	1.82E-09
3135	609540.6	4170366	1.12E-08	5.00E-09	1.62E-08	1.87E-09	8.73E-10	2.74E-09	1.38E-09	4.98E-10	1.88E-09
3136	609530.9	4170366	1.16E-08	5.17E-09	1.68E-08	1.93E-09	9.02E-10	2.83E-09	1.42E-09	5.15E-10	1.94E-09
3137	609521.3	4170366	1.20E-08	5.35E-09	1.74E-08	2.00E-09	9.33E-10	2.93E-09	1.47E-09	5.33E-10	2.01E-09
3138	609511.7	4170366	1.24E-08	5.54E-09	1.80E-08	2.07E-09	9.67E-10	3.03E-09	1.53E-09	5.52E-10	2.08E-09
3139	609502	4170366	1.29E-08	5.74E-09	1.86E-08	2.14E-09	1.00E-09	3.14E-09	1.58E-09	5.73E-10	2.15E-09
3140	609492.4	4170366	1.34E-08	5.95E-09	1.93E-08	2.22E-09	1.04E-09	3.26E-09	1.64E-09	5.94E-10	2.23E-09
3141	609482.8	4170366	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.16E-10	2.32E-09
3142	609473.2	4170366	1.44E-08	6.40E-09	2.08E-08	2.39E-09	1.12E-09	3.51E-09	1.76E-09	6.39E-10	2.40E-09
3143	609463.5	4170366	1.49E-08	6.64E-09	2.15E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.62E-10	2.49E-09
3144	609453.9	4170366	1.54E-08	6.87E-09	2.23E-08	2.57E-09	1.20E-09	3.76E-09	1.89E-09	6.85E-10	2.58E-09
3145	609444.3	4170365	1.60E-08	7.11E-09	2.31E-08	2.65E-09	1.24E-09	3.90E-09	1.96E-09	7.09E-10	2.67E-09
3146	609434.6	4170365	1.65E-08	7.35E-09	2.39E-08	2.74E-09	1.28E-09	4.02E-09	2.02E-09	7.33E-10	2.76E-09
3147	609425	4170365	1.70E-08	7.58E-09	2.46E-08	2.83E-09	1.32E-09	4.15E-09	2.09E-09	7.56E-10	2.84E-09
3148	609588.8	4170357	9.13E-09	4.06E-09	1.32E-08	1.52E-09	7.10E-10	2.23E-09	1.12E-09	4.05E-10	1.52E-09
3149	609579.2	4170357	9.37E-09	4.17E-09	1.35E-08	1.56E-09	7.28E-10	2.28E-09	1.15E-09	4.16E-10	1.56E-09
3150	609569.5	4170356	9.62E-09	4.28E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.27E-10	1.61E-09
3151	609559.9	4170356	9.90E-09	4.41E-09	1.43E-08	1.64E-09	7.69E-10	2.41E-09	1.21E-09	4.40E-10	1.65E-09
3152	609550.3	4170356	1.02E-08	4.54E-09	1.47E-08	1.70E-09	7.93E-10	2.49E-09	1.25E-09	4.53E-10	1.70E-09
3153	609540.6	4170356	1.05E-08	4.69E-09	1.52E-08	1.75E-09	8.18E-10	2.57E-09	1.29E-09	4.67E-10	1.76E-09
3154	609531	4170356	1.09E-08	4.84E-09	1.57E-08	1.81E-09	8.45E-10	2.65E-09	1.33E-09	4.83E-10	1.82E-09
3155	609521.4	4170356	1.13E-08	5.01E-09	1.63E-08	1.87E-09	8.74E-10	2.74E-09	1.38E-09	4.99E-10	1.88E-09
3156	609511.7	4170356	1.17E-08	5.19E-09	1.68E-08	1.94E-09	9.05E-10	2.84E-09	1.43E-09	5.17E-10	1.95E-09
3157	609502.1	4170356	1.21E-08	5.37E-09	1.74E-08	2.00E-09	9.38E-10	2.94E-09	1.48E-09	5.36E-10	2.02E-09
3158	609492.5	4170356	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.72E-10	3.05E-09	1.53E-09	5.55E-10	2.09E-09
3159	609482.9	4170356	1.30E-08	5.77E-09	1.87E-08	2.15E-09	1.01E-09	3.16E-09	1.59E-09	5.75E-10	2.16E-09
3160	609473.2	4170356	1.34E-08	5.98E-09	1.94E-08	2.23E-09	1.04E-09	3.27E-09	1.65E-09	5.96E-10	2.24E-09
3161	609463.6	4170356	1.39E-08	6.19E-09	2.01E-08	2.31E-09	1.08E-09	3.39E-09	1.71E-09	6.17E-10	2.32E-09
3162	609454	4170356	1.44E-08	6.41E-09	2.08E-08	2.39E-09	1.12E-09	3.51E-09	1.77E-09	6.39E-10	2.40E-09
3163	609444.3	4170355	1.49E-08	6.63E-09	2.15E-08	2.47E-09	1.16E-09	3.63E-09	1.83E-09	6.61E-10	2.49E-09
3164	609434.7	4170355	1.54E-08	6.85E-09	2.22E-08	2.55E-09	1.20E-09	3.75E-09	1.89E-09	6.83E-10	2.57E-09
3165	609425.1	4170355	1.59E-08	7.06E-09	2.29E-08	2.64E-09	1.23E-09	3.87E-09	1.95E-09	7.04E-10	2.65E-09
3166	609588.9	4170347	8.59E-09	3.83E-09	1.24E-08	1.43E-09	6.68E-10	2.10E-09	1.05E-09	3.81E-10	1.44E-09
3167	609579.2	4170347	8.82E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
3168	609569.6	4170346	9.06E-09	4.03E-09	1.31E-08	1.50E-09	7.04E-10	2.21E-09	1.11E-09	4.02E-10	1.51E-09
3169	609560	4170346	9.32E-09	4.15E-09	1.35E-08	1.55E-09	7.24E-10	2.27E-09	1.14E-09	4.14E-10	1.56E-09
3170	609550.3	4170346	9.60E-09	4.27E-09	1.39E-08	1.59E-09	7.46E-10	2.34E-09	1.18E-09	4.26E-10	1.60E-09
3171	609540.7	4170346	9.90E-09	4.41E-09	1.43E-08	1.64E-09	7.69E-10	2.41E-09	1.21E-09	4.40E-10	1.65E-09
3172	609531.1	4170346	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.95E-10	2.49E-09	1.25E-09	4.54E-10	1.71E-09
3173	609521.5	4170346	1.06E-08	4.70E-09	1.53E-08	1.76E-09	8.21E-10	2.58E-09	1.30E-09	4.69E-10	1.76E-09
3174	609511.8	4170346	1.09E-08	4.87E-09	1.58E-08	1.82E-09	8.50E-10	2.67E-09	1.34E-09	4.85E-10	1.83E-09
3175	609502.2	4170346	1.13E-08	5.04E-09	1.64E-08	1.88E-09	8.79E-10	2.76E-09	1.39E-09	5.02E-10	1.89E-09
3176	609492.6	4170346	1.17E-08	5.22E-09	1.69E-08	1.95E-09	9.11E-10	2.86E-09	1.44E-09	5.20E-10	1.96E-09
3177	609482.9	4170346	1.21E-08	5.40E-09	1.75E-08	2.02E-09	9.43E-10	2.96E-09	1.49E-09	5.39E-10	2.03E-09
3178	609473.3	4170346	1.26E-08	5.59E-09	1.82E-08	2.09E-09	9.76E-10	3.06E-09	1.54E-09	5.58E-10	2.10E-09
3179	609463.7	4170346	1.30E-08	5.79E-09	1.88E-08	2.16E-09	1.01E-09	3.17E-09	1.60E-09	5.77E-10	2.17E-09
3180	609454	4170346	1.35E-08	5.99E-09	1.94E-08	2.24E-09	1.05E-09	3.28E-09	1.65E-09	5.97E-10	2.25E-09
3181	609444.4	4170345	1.39E-08	6.19E-09	2.01E-08	2.31E-09	1.08E-09	3.39E-09	1.71E-09	6.18E-10	2.32E-09
3182	609434.8	4170345	1.44E-08	6.39E-09	2.08E-08	2.39E-09	1.12E-09	3.50E-09	1.76E-09	6.38E-10	2.40E-09
3183	609425.2	4170345	1.48E-08	6.59E-09	2.14E-08	2.46E-09	1.15E-09	3.61E-09	1.82E-09	6.58E-10	2.47E-09
3184	609588.9	4170337	8.11E-09	3.61E-09	1.17E-08	1.35E-09	6.30E-10	1.98E-09	9.94E-10	3.60E-10	1.35E-09
3185	609579.3	4170337	8.32E-09	3.70E-09	1.20E-08	1.38E-09	6.46E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
3186	609569.7	4170336	8.55E-09	3.80E-09	1.23E-08	1.42E-09	6.64E-10	2.08E-09	1.05E-09	3.79E-10	1.43E-09
3187	609560.1	4170336	8.79E-09	3.91E-09	1.27E-08	1.46E-09	6.83E-10	2.14E-09	1.08E-09	3.90E-10	1.47E-09
3188	609550.4	4170336	9.05E-09	4.03E-09	1.31E-08	1.50E-09	7.03E-10	2.21E-09	1.11E-09	4.02E-10	1.51E-09

3189	609540.8	4170336	9.33E-09	4.15E-09	1.35E-08	1.55E-09	7.25E-10	2.28E-09	1.14E-09	4.14E-10	1.56E-09
3190	609531.2	4170336	9.63E-09	4.29E-09	1.39E-08	1.60E-09	7.48E-10	2.35E-09	1.18E-09	4.28E-10	1.61E-09
3191	609521.5	4170336	9.95E-09	4.43E-09	1.44E-08	1.65E-09	7.73E-10	2.43E-09	1.22E-09	4.42E-10	1.66E-09
3192	609511.9	4170336	1.03E-08	4.58E-09	1.49E-08	1.71E-09	7.99E-10	2.51E-09	1.26E-09	4.57E-10	1.72E-09
3193	609502.3	4170336	1.06E-08	4.74E-09	1.54E-08	1.77E-09	8.27E-10	2.59E-09	1.30E-09	4.72E-10	1.78E-09
3194	609492.6	4170336	1.10E-08	4.90E-09	1.59E-08	1.83E-09	8.55E-10	2.68E-09	1.35E-09	4.89E-10	1.84E-09
3195	609483	4170336	1.14E-08	5.07E-09	1.65E-08	1.89E-09	8.85E-10	2.78E-09	1.40E-09	5.06E-10	1.90E-09
3196	609473.4	4170336	1.18E-08	5.25E-09	1.70E-08	1.96E-09	9.16E-10	2.87E-09	1.45E-09	5.23E-10	1.97E-09
3197	609463.8	4170336	1.22E-08	5.43E-09	1.76E-08	2.03E-09	9.48E-10	2.97E-09	1.50E-09	5.41E-10	2.04E-09
3198	609454.1	4170336	1.26E-08	5.61E-09	1.82E-08	2.09E-09	9.80E-10	3.07E-09	1.55E-09	5.60E-10	2.11E-09
3199	609444.5	4170335	1.30E-08	5.80E-09	1.88E-08	2.16E-09	1.01E-09	3.18E-09	1.60E-09	5.78E-10	2.18E-09
3200	609434.9	4170335	1.34E-08	5.98E-09	1.94E-08	2.23E-09	1.04E-09	3.28E-09	1.65E-09	5.97E-10	2.25E-09
3201	609425.2	4170335	1.39E-08	6.17E-09	2.00E-08	2.30E-09	1.08E-09	3.38E-09	1.70E-09	6.15E-10	2.32E-09
3202	609589	4170327	7.67E-09	3.41E-09	1.11E-08	1.27E-09	5.96E-10	1.87E-09	9.41E-10	3.40E-10	1.28E-09
3203	609579.4	4170327	7.87E-09	3.50E-09	1.14E-08	1.31E-09	6.11E-10	1.92E-09	9.65E-10	3.49E-10	1.31E-09
3204	609569.8	4170326	8.08E-09	3.60E-09	1.17E-08	1.34E-09	6.28E-10	1.97E-09	9.91E-10	3.59E-10	1.35E-09
3205	609560.1	4170326	8.31E-09	3.70E-09	1.20E-08	1.38E-09	6.46E-10	2.03E-09	1.02E-09	3.69E-10	1.39E-09
3206	609550.5	4170326	8.55E-09	3.81E-09	1.24E-08	1.42E-09	6.65E-10	2.09E-09	1.05E-09	3.80E-10	1.43E-09
3207	609540.9	4170326	8.82E-09	3.92E-09	1.27E-08	1.46E-09	6.85E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
3208	609531.2	4170326	9.09E-09	4.05E-09	1.31E-08	1.51E-09	7.07E-10	2.22E-09	1.11E-09	4.04E-10	1.52E-09
3209	609521.6	4170326	9.39E-09	4.18E-09	1.36E-08	1.56E-09	7.29E-10	2.29E-09	1.15E-09	4.17E-10	1.57E-09
3210	609512	4170326	9.70E-09	4.32E-09	1.40E-08	1.61E-09	7.54E-10	2.36E-09	1.19E-09	4.31E-10	1.62E-09
3211	609502.4	4170326	1.00E-08	4.46E-09	1.45E-08	1.67E-09	7.79E-10	2.44E-09	1.23E-09	4.45E-10	1.67E-09
3212	609492.7	4170326	1.04E-08	4.61E-09	1.50E-08	1.72E-09	8.05E-10	2.53E-09	1.27E-09	4.60E-10	1.73E-09
3213	609483.1	4170326	1.07E-08	4.77E-09	1.55E-08	1.78E-09	8.33E-10	2.61E-09	1.31E-09	4.76E-10	1.79E-09
3214	609473.5	4170326	1.11E-08	4.93E-09	1.60E-08	1.84E-09	8.61E-10	2.70E-09	1.36E-09	4.92E-10	1.85E-09
3215	609463.8	4170326	1.15E-08	5.10E-09	1.66E-08	1.90E-09	8.90E-10	2.79E-09	1.41E-09	5.09E-10	1.91E-09
3216	609454.2	4170326	1.18E-08	5.27E-09	1.71E-08	1.97E-09	9.20E-10	2.89E-09	1.45E-09	5.26E-10	1.98E-09
3217	609444.6	4170325	1.22E-08	5.44E-09	1.77E-08	2.03E-09	9.50E-10	2.98E-09	1.50E-09	5.43E-10	2.04E-09
3218	609434.9	4170325	1.26E-08	5.61E-09	1.82E-08	2.10E-09	9.80E-10	3.08E-09	1.55E-09	5.60E-10	2.11E-09
3219	609425.3	4170325	1.30E-08	5.79E-09	1.88E-08	2.16E-09	1.01E-09	3.17E-09	1.59E-09	5.77E-10	2.17E-09
3220	609589.1	4170317	7.27E-09	3.24E-09	1.05E-08	1.21E-09	5.65E-10	1.77E-09	8.91E-10	3.23E-10	1.21E-09
3221	609579.5	4170317	7.46E-09	3.32E-09	1.08E-08	1.24E-09	5.79E-10	1.82E-09	9.14E-10	3.31E-10	1.25E-09
3222	609569.8	4170316	7.66E-09	3.41E-09	1.11E-08	1.27E-09	5.95E-10	1.87E-09	9.39E-10	3.40E-10	1.28E-09
3223	609560.2	4170316	7.87E-09	3.50E-09	1.14E-08	1.31E-09	6.12E-10	1.92E-09	9.65E-10	3.49E-10	1.31E-09
3224	609550.6	4170316	8.10E-09	3.61E-09	1.17E-08	1.35E-09	6.29E-10	1.97E-09	9.93E-10	3.60E-10	1.35E-09
3225	609541	4170316	8.34E-09	3.71E-09	1.21E-08	1.39E-09	6.48E-10	2.03E-09	1.02E-09	3.70E-10	1.39E-09
3226	609531.3	4170316	8.60E-09	3.83E-09	1.24E-08	1.43E-09	6.69E-10	2.10E-09	1.05E-09	3.82E-10	1.44E-09
3227	609521.7	4170316	8.88E-09	3.95E-09	1.28E-08	1.47E-09	6.90E-10	2.16E-09	1.09E-09	3.94E-10	1.48E-09
3228	609512.1	4170316	9.17E-09	4.08E-09	1.32E-08	1.52E-09	7.12E-10	2.23E-09	1.12E-09	4.07E-10	1.53E-09
3229	609502.4	4170316	9.47E-09	4.21E-09	1.37E-08	1.57E-09	7.36E-10	2.31E-09	1.16E-09	4.20E-10	1.58E-09
3230	609492.8	4170316	9.78E-09	4.35E-09	1.41E-08	1.62E-09	7.60E-10	2.39E-09	1.20E-09	4.34E-10	1.63E-09
3231	609483.2	4170316	1.01E-08	4.50E-09	1.46E-08	1.68E-09	7.85E-10	2.46E-09	1.24E-09	4.49E-10	1.69E-09
3232	609473.5	4170316	1.04E-08	4.65E-09	1.51E-08	1.74E-09	8.12E-10	2.55E-09	1.28E-09	4.64E-10	1.74E-09
3233	609463.9	4170316	1.08E-08	4.80E-09	1.56E-08	1.79E-09	8.38E-10	2.63E-09	1.32E-09	4.79E-10	1.80E-09
3234	609454.3	4170316	1.11E-08	4.96E-09	1.61E-08	1.85E-09	8.66E-10	2.72E-09	1.37E-09	4.95E-10	1.86E-09
3235	609444.6	4170315	1.15E-08	5.12E-09	1.66E-08	1.91E-09	8.94E-10	2.80E-09	1.41E-09	5.10E-10	1.92E-09
3236	609435	4170315	1.19E-08	5.28E-09	1.71E-08	1.97E-09	9.21E-10	2.89E-09	1.45E-09	5.26E-10	1.98E-09
3237	609425.4	4170315	1.22E-08	5.44E-09	1.77E-08	2.03E-09	9.49E-10	2.98E-09	1.50E-09	5.42E-10	2.04E-09
3238	609589.2	4170307	6.91E-09	3.07E-09	9.98E-09	1.15E-09	5.37E-10	1.68E-09	8.47E-10	3.07E-10	1.15E-09
3239	609579.6	4170307	7.08E-09	3.15E-09	1.02E-08	1.18E-09	5.50E-10	1.73E-09	8.68E-10	3.14E-10	1.18E-09
3240	609569.9	4170306	7.27E-09	3.24E-09	1.05E-08	1.21E-09	5.65E-10	1.77E-09	8.91E-10	3.23E-10	1.21E-09
3241	609560.3	4170306	7.47E-09	3.32E-09	1.08E-08	1.24E-09	5.80E-10	1.82E-09	9.16E-10	3.32E-10	1.25E-09
3242	609550.7	4170306	7.69E-09	3.42E-09	1.11E-08	1.28E-09	5.97E-10	1.87E-09	9.42E-10	3.41E-10	1.28E-09
3243	609541	4170306	7.91E-09	3.52E-09	1.14E-08	1.31E-09	6.15E-10	1.93E-09	9.70E-10	3.51E-10	1.32E-09
3244	609531.4	4170306	8.16E-09	3.63E-09	1.18E-08	1.35E-09	6.34E-10	1.99E-09	1.00E-09	3.62E-10	1.36E-09

3245	609521.8	4170306	8.41E-09	3.74E-09	1.22E-08	1.40E-09	6.54E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09
3246	609512.1	4170306	8.68E-09	3.86E-09	1.25E-08	1.44E-09	6.74E-10	2.12E-09	1.06E-09	3.85E-10	1.45E-09
3247	609502.5	4170306	8.96E-09	3.99E-09	1.29E-08	1.49E-09	6.96E-10	2.18E-09	1.10E-09	3.98E-10	1.50E-09
3248	609492.9	4170306	9.25E-09	4.12E-09	1.34E-08	1.54E-09	7.19E-10	2.26E-09	1.13E-09	4.11E-10	1.54E-09
3249	609483.2	4170306	9.55E-09	4.25E-09	1.38E-08	1.59E-09	7.42E-10	2.33E-09	1.17E-09	4.24E-10	1.60E-09
3250	609473.6	4170306	9.86E-09	4.39E-09	1.43E-08	1.64E-09	7.66E-10	2.40E-09	1.21E-09	4.38E-10	1.65E-09
3251	609464	4170306	1.02E-08	4.53E-09	1.47E-08	1.69E-09	7.91E-10	2.48E-09	1.25E-09	4.52E-10	1.70E-09
3252	609454.4	4170306	1.05E-08	4.68E-09	1.52E-08	1.75E-09	8.16E-10	2.56E-09	1.29E-09	4.66E-10	1.75E-09
3253	609444.7	4170305	1.08E-08	4.82E-09	1.57E-08	1.80E-09	8.42E-10	2.64E-09	1.33E-09	4.81E-10	1.81E-09
3254	609435.1	4170305	1.12E-08	4.97E-09	1.61E-08	1.86E-09	8.68E-10	2.72E-09	1.37E-09	4.96E-10	1.87E-09
3255	609425.5	4170305	1.15E-08	5.12E-09	1.66E-08	1.91E-09	8.94E-10	2.80E-09	1.41E-09	5.11E-10	1.92E-09
3256	609410.9	4170590	2.08E-07	9.26E-08	3.01E-07	3.46E-08	1.62E-08	5.07E-08	2.55E-08	9.23E-09	3.47E-08
3257	609397	4170598	2.20E-07	9.78E-08	3.18E-07	3.65E-08	1.71E-08	5.36E-08	2.69E-08	9.75E-09	3.67E-08
3258	609389.4	4170604	2.27E-07	1.01E-07	3.28E-07	3.77E-08	1.76E-08	5.53E-08	2.78E-08	1.01E-08	3.79E-08
3259	609381.7	4170609	2.30E-07	1.02E-07	3.32E-07	3.81E-08	1.78E-08	5.60E-08	2.82E-08	1.02E-08	3.84E-08
3260	609374	4170615	2.29E-07	1.02E-07	3.31E-07	3.81E-08	1.78E-08	5.59E-08	2.81E-08	1.02E-08	3.83E-08
3261	609366.4	4170621	2.26E-07	1.01E-07	3.26E-07	3.75E-08	1.75E-08	5.51E-08	2.77E-08	1.00E-08	3.77E-08
3262	609358.7	4170627	2.21E-07	9.81E-08	3.19E-07	3.66E-08	1.71E-08	5.38E-08	2.70E-08	9.79E-09	3.68E-08
3263	609320.4	4170657	1.66E-07	7.37E-08	2.39E-07	2.75E-08	1.29E-08	4.04E-08	2.03E-08	7.35E-09	2.77E-08
3264	609312.8	4170663	1.50E-07	6.67E-08	2.17E-07	2.49E-08	1.16E-08	3.66E-08	1.84E-08	6.65E-09	2.50E-08
3265	609305.1	4170669	1.32E-07	5.87E-08	1.91E-07	2.19E-08	1.03E-08	3.22E-08	1.62E-08	5.86E-09	2.20E-08
3266	609297.4	4170675	1.12E-07	5.00E-08	1.62E-07	1.87E-08	8.73E-09	2.74E-08	1.38E-08	4.99E-09	1.88E-08
3267	609289.8	4170681	9.29E-08	4.13E-08	1.34E-07	1.54E-08	7.22E-09	2.27E-08	1.14E-08	4.12E-09	1.55E-08
3268	609406.8	4170581	1.74E-07	7.74E-08	2.51E-07	2.89E-08	1.35E-08	4.24E-08	2.13E-08	7.72E-09	2.91E-08
3269	609390.9	4170590	1.83E-07	8.15E-08	2.65E-07	3.04E-08	1.42E-08	4.47E-08	2.25E-08	8.13E-09	3.06E-08
3270	609383.2	4170596	1.89E-07	8.40E-08	2.73E-07	3.14E-08	1.47E-08	4.60E-08	2.31E-08	8.38E-09	3.15E-08
3271	609375.6	4170602	1.91E-07	8.52E-08	2.76E-07	3.18E-08	1.49E-08	4.67E-08	2.35E-08	8.49E-09	3.20E-08
3272	609367.9	4170608	1.91E-07	8.51E-08	2.76E-07	3.18E-08	1.49E-08	4.66E-08	2.35E-08	8.49E-09	3.19E-08
3273	609360.2	4170613	1.89E-07	8.41E-08	2.73E-07	3.14E-08	1.47E-08	4.61E-08	2.32E-08	8.39E-09	3.16E-08
3274	609352.6	4170619	1.85E-07	8.22E-08	2.67E-07	3.07E-08	1.44E-08	4.50E-08	2.27E-08	8.20E-09	3.09E-08
3275	609344.9	4170625	1.79E-07	7.95E-08	2.58E-07	2.97E-08	1.39E-08	4.35E-08	2.19E-08	7.92E-09	2.98E-08
3276	609306.6	4170655	1.28E-07	5.68E-08	1.84E-07	2.12E-08	9.91E-09	3.11E-08	1.56E-08	5.66E-09	2.13E-08
3277	609299	4170661	1.13E-07	5.05E-08	1.64E-07	1.88E-08	8.81E-09	2.77E-08	1.39E-08	5.04E-09	1.89E-08
3278	609291.3	4170667	9.84E-08	4.38E-08	1.42E-07	1.63E-08	7.64E-09	2.40E-08	1.21E-08	4.37E-09	1.64E-08
3279	609283.7	4170673	8.35E-08	3.71E-08	1.21E-07	1.39E-08	6.49E-09	2.04E-08	1.02E-08	3.70E-09	1.39E-08
3280	609400.2	4170573	1.49E-07	6.64E-08	2.16E-07	2.48E-08	1.16E-08	3.64E-08	1.83E-08	6.62E-09	2.49E-08
3281	609384.8	4170582	1.56E-07	6.96E-08	2.26E-07	2.60E-08	1.21E-08	3.81E-08	1.92E-08	6.94E-09	2.61E-08
3282	609377.1	4170588	1.61E-07	7.15E-08	2.32E-07	2.67E-08	1.25E-08	3.92E-08	1.97E-08	7.13E-09	2.68E-08
3283	609369.4	4170594	1.63E-07	7.25E-08	2.36E-07	2.71E-08	1.27E-08	3.97E-08	2.00E-08	7.23E-09	2.72E-08
3284	609361.8	4170600	1.63E-07	7.26E-08	2.36E-07	2.71E-08	1.27E-08	3.98E-08	2.00E-08	7.24E-09	2.73E-08
3285	609354.1	4170606	1.62E-07	7.19E-08	2.33E-07	2.68E-08	1.25E-08	3.94E-08	1.98E-08	7.17E-09	2.70E-08
3286	609346.5	4170611	1.58E-07	7.03E-08	2.28E-07	2.62E-08	1.23E-08	3.85E-08	1.94E-08	7.01E-09	2.64E-08
3287	609338.8	4170617	1.53E-07	6.80E-08	2.21E-07	2.54E-08	1.19E-08	3.73E-08	1.87E-08	6.79E-09	2.55E-08
3288	609331.1	4170623	1.47E-07	6.52E-08	2.12E-07	2.43E-08	1.14E-08	3.57E-08	1.80E-08	6.50E-09	2.45E-08
3289	609300.5	4170647	1.11E-07	4.94E-08	1.60E-07	1.84E-08	8.62E-09	2.71E-08	1.36E-08	4.92E-09	1.85E-08
3290	609292.8	4170653	9.95E-08	4.43E-08	1.44E-07	1.65E-08	7.73E-09	2.43E-08	1.22E-08	4.42E-09	1.66E-08
3291	609285.2	4170659	8.75E-08	3.90E-08	1.27E-07	1.45E-08	6.80E-09	2.13E-08	1.07E-08	3.89E-09	1.46E-08
3292	609277.5	4170665	7.57E-08	3.37E-08	1.09E-07	1.26E-08	5.88E-09	1.85E-08	9.28E-09	3.36E-09	1.26E-08
3293	609393.7	4170565	1.30E-07	5.78E-08	1.88E-07	2.16E-08	1.01E-08	3.17E-08	1.59E-08	5.77E-09	2.17E-08
3294	609378.6	4170574	1.36E-07	6.04E-08	1.96E-07	2.25E-08	1.05E-08	3.31E-08	1.66E-08	6.02E-09	2.26E-08
3295	609371	4170580	1.39E-07	6.20E-08	2.01E-07	2.31E-08	1.08E-08	3.39E-08	1.71E-08	6.18E-09	2.33E-08
3296	609363.3	4170586	1.41E-07	6.28E-08	2.04E-07	2.35E-08	1.10E-08	3.44E-08	1.73E-08	6.27E-09	2.36E-08
3297	609355.6	4170592	1.41E-07	6.30E-08	2.04E-07	2.35E-08	1.10E-08	3.45E-08	1.73E-08	6.28E-09	2.36E-08
3298	609348	4170598	1.40E-07	6.24E-08	2.03E-07	2.33E-08	1.09E-08	3.42E-08	1.72E-08	6.22E-09	2.34E-08
3299	609340.3	4170604	1.37E-07	6.11E-08	1.98E-07	2.28E-08	1.07E-08	3.35E-08	1.68E-08	6.10E-09	2.29E-08
3300	609332.7	4170610	1.33E-07	5.93E-08	1.92E-07	2.21E-08	1.03E-08	3.25E-08	1.63E-08	5.91E-09	2.22E-08

3301	609325	4170615	1.28E-07	5.69E-08	1.85E-07	2.12E-08	9.93E-09	3.12E-08	1.57E-08	5.67E-09	2.13E-08
3302	609286.7	4170645	8.87E-08	3.95E-08	1.28E-07	1.47E-08	6.89E-09	2.16E-08	1.09E-08	3.94E-09	1.48E-08
3303	609279	4170651	7.89E-08	3.51E-08	1.14E-07	1.31E-08	6.13E-09	1.92E-08	9.67E-09	3.50E-09	1.32E-08
3304	609271.4	4170657	6.92E-08	3.08E-08	1.00E-07	1.15E-08	5.38E-09	1.69E-08	8.49E-09	3.07E-09	1.16E-08
3305	609388.8	4170557	1.14E-07	5.09E-08	1.65E-07	1.90E-08	8.89E-09	2.79E-08	1.40E-08	5.08E-09	1.91E-08
3306	609414.9	4170548	1.07E-07	4.77E-08	1.55E-07	1.78E-08	8.34E-09	2.62E-08	1.32E-08	4.76E-09	1.79E-08
3307	609380.1	4170560	1.15E-07	5.12E-08	1.66E-07	1.91E-08	8.94E-09	2.80E-08	1.41E-08	5.11E-09	1.92E-08
3308	609372.5	4170566	1.19E-07	5.31E-08	1.72E-07	1.98E-08	9.26E-09	2.91E-08	1.46E-08	5.29E-09	1.99E-08
3309	609364.8	4170572	1.22E-07	5.44E-08	1.77E-07	2.03E-08	9.50E-09	2.98E-08	1.50E-08	5.43E-09	2.04E-08
3310	609357.2	4170578	1.24E-07	5.51E-08	1.79E-07	2.06E-08	9.63E-09	3.02E-08	1.52E-08	5.50E-09	2.07E-08
3311	609349.5	4170584	1.24E-07	5.53E-08	1.79E-07	2.06E-08	9.65E-09	3.03E-08	1.52E-08	5.51E-09	2.07E-08
3312	609341.9	4170590	1.23E-07	5.48E-08	1.78E-07	2.05E-08	9.57E-09	3.00E-08	1.51E-08	5.47E-09	2.06E-08
3313	609334.2	4170596	1.21E-07	5.38E-08	1.75E-07	2.01E-08	9.40E-09	2.95E-08	1.48E-08	5.37E-09	2.02E-08
3314	609326.5	4170602	1.18E-07	5.23E-08	1.70E-07	1.95E-08	9.13E-09	2.87E-08	1.44E-08	5.22E-09	1.96E-08
3315	609318.9	4170608	1.13E-07	5.03E-08	1.63E-07	1.88E-08	8.79E-09	2.76E-08	1.39E-08	5.02E-09	1.89E-08
3316	609311.2	4170614	1.08E-07	4.80E-08	1.56E-07	1.79E-08	8.38E-09	2.63E-08	1.32E-08	4.79E-09	1.80E-08
3317	609280.6	4170637	7.99E-08	3.56E-08	1.16E-07	1.33E-08	6.21E-09	1.95E-08	9.80E-09	3.55E-09	1.33E-08
3318	609272.9	4170643	7.18E-08	3.20E-08	1.04E-07	1.19E-08	5.58E-09	1.75E-08	8.80E-09	3.19E-09	1.20E-08
3319	609265.3	4170649	6.37E-08	2.84E-08	9.21E-08	1.06E-08	4.95E-09	1.55E-08	7.81E-09	2.83E-09	1.06E-08
3320	609398.9	4170544	9.89E-08	4.40E-08	1.43E-07	1.64E-08	7.68E-09	2.41E-08	1.21E-08	4.39E-09	1.65E-08
3321	609366.4	4170558	1.06E-07	4.71E-08	1.53E-07	1.76E-08	8.23E-09	2.58E-08	1.30E-08	4.70E-09	1.77E-08
3322	609358.7	4170564	1.08E-07	4.82E-08	1.57E-07	1.80E-08	8.42E-09	2.64E-08	1.33E-08	4.81E-09	1.81E-08
3323	609351	4170570	1.10E-07	4.89E-08	1.59E-07	1.82E-08	8.54E-09	2.68E-08	1.35E-08	4.88E-09	1.83E-08
3324	609343.4	4170576	1.10E-07	4.90E-08	1.59E-07	1.83E-08	8.56E-09	2.69E-08	1.35E-08	4.89E-09	1.84E-08
3325	609335.7	4170582	1.09E-07	4.87E-08	1.58E-07	1.82E-08	8.50E-09	2.67E-08	1.34E-08	4.86E-09	1.83E-08
3326	609328.1	4170588	1.08E-07	4.79E-08	1.56E-07	1.79E-08	8.36E-09	2.62E-08	1.32E-08	4.78E-09	1.80E-08
3327	609320.4	4170594	1.05E-07	4.66E-08	1.51E-07	1.74E-08	8.14E-09	2.55E-08	1.28E-08	4.65E-09	1.75E-08
3328	609312.7	4170600	1.01E-07	4.50E-08	1.46E-07	1.68E-08	7.85E-09	2.46E-08	1.24E-08	4.48E-09	1.69E-08
3329	609305.1	4170606	9.66E-08	4.30E-08	1.40E-07	1.60E-08	7.50E-09	2.35E-08	1.18E-08	4.29E-09	1.61E-08
3330	609297.4	4170612	9.14E-08	4.07E-08	1.32E-07	1.52E-08	7.10E-09	2.23E-08	1.12E-08	4.06E-09	1.53E-08
3331	609266.8	4170635	6.59E-08	2.93E-08	9.52E-08	1.09E-08	5.12E-09	1.61E-08	8.07E-09	2.92E-09	1.10E-08
3332	609259.1	4170641	5.90E-08	2.63E-08	8.53E-08	9.80E-09	4.59E-09	1.44E-08	7.24E-09	2.62E-09	9.86E-09
3333	609391.8	4170536	8.91E-08	3.97E-08	1.29E-07	1.48E-08	6.93E-09	2.17E-08	1.09E-08	3.96E-09	1.49E-08
3334	609407.8	4170531	8.48E-08	3.77E-08	1.23E-07	1.41E-08	6.59E-09	2.07E-08	1.04E-08	3.76E-09	1.42E-08
3335	609360.2	4170550	9.49E-08	4.22E-08	1.37E-07	1.58E-08	7.37E-09	2.31E-08	1.16E-08	4.21E-09	1.58E-08
3336	609352.6	4170556	9.70E-08	4.32E-08	1.40E-07	1.61E-08	7.54E-09	2.36E-08	1.19E-08	4.31E-09	1.62E-08
3337	609344.9	4170562	9.82E-08	4.37E-08	1.42E-07	1.63E-08	7.63E-09	2.40E-08	1.20E-08	4.36E-09	1.64E-08
3338	609337.2	4170568	9.86E-08	4.39E-08	1.42E-07	1.64E-08	7.66E-09	2.40E-08	1.21E-08	4.37E-09	1.65E-08
3339	609329.6	4170574	9.80E-08	4.36E-08	1.42E-07	1.63E-08	7.61E-09	2.39E-08	1.20E-08	4.35E-09	1.64E-08
3340	609321.9	4170580	9.65E-08	4.29E-08	1.39E-07	1.60E-08	7.50E-09	2.35E-08	1.18E-08	4.28E-09	1.61E-08
3341	609314.3	4170586	9.41E-08	4.19E-08	1.36E-07	1.56E-08	7.31E-09	2.29E-08	1.15E-08	4.18E-09	1.57E-08
3342	609306.6	4170592	9.09E-08	4.05E-08	1.31E-07	1.51E-08	7.06E-09	2.22E-08	1.11E-08	4.04E-09	1.52E-08
3343	609299	4170598	8.71E-08	3.88E-08	1.26E-07	1.45E-08	6.77E-09	2.12E-08	1.07E-08	3.86E-09	1.45E-08
3344	609291.3	4170604	8.27E-08	3.68E-08	1.19E-07	1.37E-08	6.42E-09	2.02E-08	1.01E-08	3.67E-09	1.38E-08
3345	609260.7	4170627	6.08E-08	2.71E-08	8.78E-08	1.01E-08	4.72E-09	1.48E-08	7.45E-09	2.70E-09	1.01E-08
3346	609253	4170633	5.49E-08	2.44E-08	7.94E-08	9.12E-09	4.27E-09	1.34E-08	6.73E-09	2.44E-09	9.17E-09
3347	609379.5	4170530	8.17E-08	3.64E-08	1.18E-07	1.36E-08	6.35E-09	1.99E-08	1.00E-08	3.63E-09	1.36E-08
3348	609388.4	4170527	8.02E-08	3.57E-08	1.16E-07	1.33E-08	6.23E-09	1.95E-08	9.83E-09	3.56E-09	1.34E-08
3349	609397.2	4170524	7.81E-08	3.48E-08	1.13E-07	1.30E-08	6.07E-09	1.90E-08	9.58E-09	3.47E-09	1.30E-08
3350	609406.1	4170521	7.57E-08	3.37E-08	1.09E-07	1.26E-08	5.88E-09	1.85E-08	9.28E-09	3.36E-09	1.26E-08
3351	609415	4170518	7.29E-08	3.24E-08	1.05E-07	1.21E-08	5.66E-09	1.78E-08	8.94E-09	3.24E-09	1.22E-08
3352	609354.1	4170542	8.56E-08	3.81E-08	1.24E-07	1.42E-08	6.65E-09	2.09E-08	1.05E-08	3.80E-09	1.43E-08
3353	609346.4	4170548	8.74E-08	3.89E-08	1.26E-07	1.45E-08	6.79E-09	2.13E-08	1.07E-08	3.88E-09	1.46E-08
3354	609338.8	4170554	8.85E-08	3.94E-08	1.28E-07	1.47E-08	6.88E-09	2.16E-08	1.09E-08	3.93E-09	1.48E-08
3355	609331.1	4170560	8.88E-08	3.95E-08	1.28E-07	1.48E-08	6.90E-09	2.17E-08	1.09E-08	3.94E-09	1.48E-08
3356	609323.5	4170566	8.83E-08	3.93E-08	1.28E-07	1.47E-08	6.86E-09	2.15E-08	1.08E-08	3.92E-09	1.47E-08

3357	609315.8	4170572	8.70E-08	3.87E-08	1.26E-07	1.45E-08	6.76E-09	2.12E-08	1.07E-08	3.86E-09	1.45E-08
3358	609308.1	4170578	8.50E-08	3.78E-08	1.23E-07	1.41E-08	6.61E-09	2.07E-08	1.04E-08	3.77E-09	1.42E-08
3359	609300.5	4170584	8.23E-08	3.66E-08	1.19E-07	1.37E-08	6.40E-09	2.01E-08	1.01E-08	3.65E-09	1.37E-08
3360	609292.8	4170590	7.90E-08	3.52E-08	1.14E-07	1.31E-08	6.14E-09	1.93E-08	9.69E-09	3.51E-09	1.32E-08
3361	609285.2	4170596	7.53E-08	3.35E-08	1.09E-07	1.25E-08	5.85E-09	1.83E-08	9.23E-09	3.34E-09	1.26E-08
3362	609277.5	4170602	7.10E-08	3.16E-08	1.03E-07	1.18E-08	5.52E-09	1.73E-08	8.71E-09	3.15E-09	1.19E-08
3363	609246.9	4170625	5.13E-08	2.28E-08	7.41E-08	8.52E-09	3.99E-09	1.25E-08	6.29E-09	2.28E-09	8.57E-09
3364	609364.2	4170526	7.52E-08	3.35E-08	1.09E-07	1.25E-08	5.84E-09	1.83E-08	9.22E-09	3.34E-09	1.26E-08
3365	609381.2	4170520	7.32E-08	3.26E-08	1.06E-07	1.22E-08	5.69E-09	1.78E-08	8.97E-09	3.25E-09	1.22E-08
3366	609389.8	4170517	7.15E-08	3.18E-08	1.03E-07	1.19E-08	5.56E-09	1.74E-08	8.77E-09	3.17E-09	1.19E-08
3367	609406.8	4170511	6.72E-08	2.99E-08	9.72E-08	1.12E-08	5.22E-09	1.64E-08	8.24E-09	2.98E-09	1.12E-08
3368	609340.3	4170540	7.93E-08	3.53E-08	1.15E-07	1.32E-08	6.16E-09	1.93E-08	9.72E-09	3.52E-09	1.32E-08
3369	609332.6	4170546	8.02E-08	3.57E-08	1.16E-07	1.33E-08	6.23E-09	1.96E-08	9.84E-09	3.56E-09	1.34E-08
3370	609325	4170552	8.05E-08	3.58E-08	1.16E-07	1.34E-08	6.26E-09	1.96E-08	9.87E-09	3.57E-09	1.34E-08
3371	609317.3	4170558	8.01E-08	3.56E-08	1.16E-07	1.33E-08	6.22E-09	1.95E-08	9.82E-09	3.56E-09	1.34E-08
3372	609309.7	4170564	7.90E-08	3.52E-08	1.14E-07	1.31E-08	6.14E-09	1.93E-08	9.69E-09	3.51E-09	1.32E-08
3373	609302	4170570	7.73E-08	3.44E-08	1.12E-07	1.28E-08	6.00E-09	1.88E-08	9.47E-09	3.43E-09	1.29E-08
3374	609294.4	4170576	7.50E-08	3.34E-08	1.08E-07	1.25E-08	5.82E-09	1.83E-08	9.19E-09	3.33E-09	1.25E-08
3375	609286.7	4170582	7.22E-08	3.21E-08	1.04E-07	1.20E-08	5.61E-09	1.76E-08	8.85E-09	3.20E-09	1.21E-08
3376	609279	4170588	6.89E-08	3.07E-08	9.96E-08	1.14E-08	5.35E-09	1.68E-08	8.45E-09	3.06E-09	1.15E-08
3377	609271.4	4170594	6.52E-08	2.90E-08	9.42E-08	1.08E-08	5.07E-09	1.59E-08	8.00E-09	2.89E-09	1.09E-08
3378	609263.7	4170600	6.12E-08	2.72E-08	8.84E-08	1.02E-08	4.75E-09	1.49E-08	7.50E-09	2.72E-09	1.02E-08
3379	609240.7	4170618	4.81E-08	2.14E-08	6.95E-08	7.99E-09	3.74E-09	1.17E-08	5.90E-09	2.13E-09	8.03E-09
3380	609357.8	4170518	6.87E-08	3.06E-08	9.93E-08	1.14E-08	5.34E-09	1.68E-08	8.42E-09	3.05E-09	1.15E-08
3381	609374.3	4170512	6.71E-08	2.98E-08	9.69E-08	1.11E-08	5.21E-09	1.63E-08	8.22E-09	2.98E-09	1.12E-08
3382	609390.9	4170507	6.40E-08	2.85E-08	9.26E-08	1.06E-08	4.98E-09	1.56E-08	7.85E-09	2.84E-09	1.07E-08
3383	609407.4	4170501	6.00E-08	2.67E-08	8.67E-08	9.97E-09	4.66E-09	1.46E-08	7.36E-09	2.66E-09	1.00E-08
3384	609326.5	4170538	7.31E-08	3.25E-08	1.06E-07	1.21E-08	5.68E-09	1.78E-08	8.96E-09	3.25E-09	1.22E-08
3385	609318.9	4170544	7.34E-08	3.27E-08	1.06E-07	1.22E-08	5.70E-09	1.79E-08	9.00E-09	3.26E-09	1.23E-08
3386	609311.2	4170550	7.30E-08	3.25E-08	1.06E-07	1.21E-08	5.67E-09	1.78E-08	8.95E-09	3.24E-09	1.22E-08
3387	609303.5	4170556	7.21E-08	3.21E-08	1.04E-07	1.20E-08	5.60E-09	1.76E-08	8.84E-09	3.20E-09	1.20E-08
3388	609295.9	4170562	7.06E-08	3.14E-08	1.02E-07	1.17E-08	5.49E-09	1.72E-08	8.66E-09	3.13E-09	1.18E-08
3389	609288.2	4170568	6.87E-08	3.06E-08	9.92E-08	1.14E-08	5.33E-09	1.67E-08	8.42E-09	3.05E-09	1.15E-08
3390	609280.6	4170574	6.62E-08	2.95E-08	9.57E-08	1.10E-08	5.15E-09	1.61E-08	8.12E-09	2.94E-09	1.11E-08
3391	609272.9	4170580	6.34E-08	2.82E-08	9.16E-08	1.05E-08	4.93E-09	1.55E-08	7.77E-09	2.81E-09	1.06E-08
3392	609265.2	4170586	6.02E-08	2.68E-08	8.70E-08	1.00E-08	4.68E-09	1.47E-08	7.38E-09	2.67E-09	1.00E-08
3393	609257.6	4170592	5.67E-08	2.52E-08	8.19E-08	9.41E-09	4.40E-09	1.38E-08	6.95E-09	2.52E-09	9.46E-09
3394	609352.3	4170510	6.30E-08	2.81E-08	9.11E-08	1.05E-08	4.90E-09	1.54E-08	7.73E-09	2.80E-09	1.05E-08
3395	609361.3	4170507	6.24E-08	2.78E-08	9.01E-08	1.04E-08	4.85E-09	1.52E-08	7.65E-09	2.77E-09	1.04E-08
3396	609370.3	4170504	6.13E-08	2.73E-08	8.86E-08	1.02E-08	4.77E-09	1.50E-08	7.52E-09	2.72E-09	1.02E-08
3397	609379.2	4170500	6.00E-08	2.67E-08	8.67E-08	9.96E-09	4.66E-09	1.46E-08	7.35E-09	2.66E-09	1.00E-08
3398	609388.2	4170497	5.83E-08	2.59E-08	8.42E-08	9.68E-09	4.53E-09	1.42E-08	7.15E-09	2.59E-09	9.73E-09
3399	609397.2	4170494	5.64E-08	2.51E-08	8.14E-08	9.36E-09	4.38E-09	1.37E-08	6.91E-09	2.50E-09	9.41E-09
3400	609406.1	4170491	5.42E-08	2.41E-08	7.83E-08	9.00E-09	4.21E-09	1.32E-08	6.65E-09	2.41E-09	9.05E-09
3401	609415.1	4170488	5.19E-08	2.31E-08	7.50E-08	8.62E-09	4.03E-09	1.27E-08	6.36E-09	2.30E-09	8.66E-09
3402	609343.4	4170513	6.33E-08	2.82E-08	9.15E-08	1.05E-08	4.92E-09	1.54E-08	7.76E-09	2.81E-09	1.06E-08
3403	609335.7	4170519	6.50E-08	2.89E-08	9.39E-08	1.08E-08	5.05E-09	1.58E-08	7.97E-09	2.88E-09	1.08E-08
3404	609320.4	4170530	6.69E-08	2.98E-08	9.67E-08	1.11E-08	5.20E-09	1.63E-08	8.21E-09	2.97E-09	1.12E-08
3405	609312.7	4170536	6.72E-08	2.99E-08	9.71E-08	1.12E-08	5.22E-09	1.64E-08	8.24E-09	2.98E-09	1.12E-08
3406	609305.1	4170542	6.69E-08	2.98E-08	9.67E-08	1.11E-08	5.20E-09	1.63E-08	8.20E-09	2.97E-09	1.12E-08
3407	609297.4	4170548	6.61E-08	2.94E-08	9.55E-08	1.10E-08	5.14E-09	1.61E-08	8.11E-09	2.93E-09	1.10E-08
3408	609289.7	4170554	6.49E-08	2.89E-08	9.37E-08	1.08E-08	5.04E-09	1.58E-08	7.95E-09	2.88E-09	1.08E-08
3409	609282.1	4170560	6.32E-08	2.81E-08	9.13E-08	1.05E-08	4.91E-09	1.54E-08	7.74E-09	2.80E-09	1.05E-08
3410	609274.4	4170566	6.11E-08	2.72E-08	8.82E-08	1.01E-08	4.74E-09	1.49E-08	7.49E-09	2.71E-09	1.02E-08
3411	609266.8	4170572	5.86E-08	2.61E-08	8.46E-08	9.73E-09	4.55E-09	1.43E-08	7.18E-09	2.60E-09	9.78E-09
3412	609259.1	4170578	5.58E-08	2.48E-08	8.06E-08	9.26E-09	4.33E-09	1.36E-08	6.84E-09	2.48E-09	9.31E-09

3413	609345.9	4170502	5.81E-08	2.59E-08	8.40E-08	9.65E-09	4.51E-09	1.42E-08	7.12E-09	2.58E-09	9.70E-09
3414	609354.6	4170499	5.75E-08	2.56E-08	8.32E-08	9.56E-09	4.47E-09	1.40E-08	7.06E-09	2.55E-09	9.61E-09
3415	609363.3	4170496	5.67E-08	2.52E-08	8.19E-08	9.42E-09	4.40E-09	1.38E-08	6.95E-09	2.52E-09	9.47E-09
3416	609372	4170493	5.55E-08	2.47E-08	8.03E-08	9.23E-09	4.32E-09	1.35E-08	6.81E-09	2.47E-09	9.28E-09
3417	609380.7	4170490	5.41E-08	2.41E-08	7.82E-08	8.99E-09	4.21E-09	1.32E-08	6.64E-09	2.40E-09	9.04E-09
3418	609389.4	4170487	5.25E-08	2.34E-08	7.59E-08	8.72E-09	4.08E-09	1.28E-08	6.44E-09	2.33E-09	8.77E-09
3419	609398.1	4170484	5.07E-08	2.26E-08	7.33E-08	8.42E-09	3.94E-09	1.24E-08	6.22E-09	2.25E-09	8.47E-09
3420	609406.8	4170481	4.87E-08	2.17E-08	7.04E-08	8.09E-09	3.79E-09	1.19E-08	5.97E-09	2.16E-09	8.14E-09
3421	609415.5	4170478	4.66E-08	2.07E-08	6.74E-08	7.74E-09	3.62E-09	1.14E-08	5.72E-09	2.07E-09	7.78E-09
3422	609337.2	4170505	5.83E-08	2.60E-08	8.43E-08	9.69E-09	4.53E-09	1.42E-08	7.15E-09	2.59E-09	9.74E-09
3423	609329.6	4170511	5.98E-08	2.66E-08	8.64E-08	9.93E-09	4.65E-09	1.46E-08	7.33E-09	2.65E-09	9.99E-09
3424	609306.6	4170528	6.18E-08	2.75E-08	8.93E-08	1.03E-08	4.80E-09	1.51E-08	7.57E-09	2.74E-09	1.03E-08
3425	609298.9	4170534	6.15E-08	2.74E-08	8.89E-08	1.02E-08	4.78E-09	1.50E-08	7.55E-09	2.73E-09	1.03E-08
3426	609291.3	4170540	6.09E-08	2.71E-08	8.80E-08	1.01E-08	4.73E-09	1.48E-08	7.46E-09	2.70E-09	1.02E-08
3427	609283.6	4170546	5.98E-08	2.66E-08	8.64E-08	9.94E-09	4.65E-09	1.46E-08	7.33E-09	2.65E-09	9.99E-09
3428	609276	4170552	5.83E-08	2.60E-08	8.43E-08	9.69E-09	4.53E-09	1.42E-08	7.15E-09	2.59E-09	9.74E-09
3429	609268.3	4170558	5.65E-08	2.51E-08	8.16E-08	9.38E-09	4.39E-09	1.38E-08	6.93E-09	2.51E-09	9.43E-09
3430	609237.7	4170582	4.63E-08	2.06E-08	6.69E-08	7.68E-09	3.59E-09	1.13E-08	5.67E-09	2.05E-09	7.73E-09
3431	609230	4170588	4.33E-08	1.93E-08	6.25E-08	7.18E-09	3.36E-09	1.05E-08	5.30E-09	1.92E-09	7.22E-09
3432	609339.6	4170494	5.37E-08	2.39E-08	7.77E-08	8.93E-09	4.18E-09	1.31E-08	6.59E-09	2.39E-09	8.97E-09
3433	609356.5	4170488	5.25E-08	2.34E-08	7.59E-08	8.73E-09	4.08E-09	1.28E-08	6.44E-09	2.33E-09	8.78E-09
3434	609373.4	4170483	5.04E-08	2.24E-08	7.28E-08	8.37E-09	3.92E-09	1.23E-08	6.18E-09	2.24E-09	8.42E-09
3435	609390.4	4170477	4.75E-08	2.11E-08	6.86E-08	7.88E-09	3.69E-09	1.16E-08	5.82E-09	2.11E-09	7.93E-09
3436	609407.3	4170471	4.39E-08	1.96E-08	6.35E-08	7.30E-09	3.41E-09	1.07E-08	5.39E-09	1.95E-09	7.34E-09
3437	609323.4	4170503	5.53E-08	2.46E-08	7.98E-08	9.18E-09	4.29E-09	1.35E-08	6.77E-09	2.45E-09	9.23E-09
3438	609315.8	4170509	5.62E-08	2.50E-08	8.12E-08	9.34E-09	4.37E-09	1.37E-08	6.89E-09	2.50E-09	9.39E-09
3439	609300.5	4170521	5.70E-08	2.54E-08	8.24E-08	9.47E-09	4.43E-09	1.39E-08	6.99E-09	2.53E-09	9.52E-09
3440	609292.8	4170527	5.68E-08	2.53E-08	8.21E-08	9.44E-09	4.42E-09	1.39E-08	6.97E-09	2.52E-09	9.49E-09
3441	609285.1	4170532	5.63E-08	2.51E-08	8.13E-08	9.35E-09	4.37E-09	1.37E-08	6.90E-09	2.50E-09	9.40E-09
3442	609277.5	4170538	5.54E-08	2.46E-08	8.00E-08	9.20E-09	4.30E-09	1.35E-08	6.79E-09	2.46E-09	9.25E-09
3443	609246.8	4170562	4.84E-08	2.15E-08	6.99E-08	8.03E-09	3.76E-09	1.18E-08	5.93E-09	2.15E-09	8.08E-09
3444	609239.2	4170568	4.60E-08	2.05E-08	6.64E-08	7.64E-09	3.57E-09	1.12E-08	5.64E-09	2.04E-09	7.68E-09
3445	609231.5	4170574	4.34E-08	1.93E-08	6.27E-08	7.21E-09	3.37E-09	1.06E-08	5.32E-09	1.93E-09	7.25E-09
3446	609223.9	4170580	4.07E-08	1.81E-08	5.89E-08	6.77E-09	3.17E-09	9.93E-09	4.99E-09	1.81E-09	6.80E-09
3447	609334	4170486	4.98E-08	2.22E-08	7.20E-08	8.28E-09	3.87E-09	1.22E-08	6.11E-09	2.21E-09	8.32E-09
3448	609343	4170483	4.94E-08	2.20E-08	7.13E-08	8.20E-09	3.84E-09	1.20E-08	6.05E-09	2.19E-09	8.24E-09
3449	609352.1	4170480	4.86E-08	2.17E-08	7.03E-08	8.08E-09	3.78E-09	1.19E-08	5.96E-09	2.16E-09	8.12E-09
3450	609361.1	4170477	4.77E-08	2.12E-08	6.89E-08	7.92E-09	3.70E-09	1.16E-08	5.85E-09	2.12E-09	7.96E-09
3451	609370.1	4170474	4.65E-08	2.07E-08	6.72E-08	7.72E-09	3.61E-09	1.13E-08	5.70E-09	2.06E-09	7.76E-09
3452	609379.2	4170471	4.51E-08	2.01E-08	6.52E-08	7.49E-09	3.50E-09	1.10E-08	5.53E-09	2.00E-09	7.53E-09
3453	609388.2	4170468	4.36E-08	1.94E-08	6.29E-08	7.23E-09	3.38E-09	1.06E-08	5.34E-09	1.93E-09	7.27E-09
3454	609397.2	4170464	4.19E-08	1.86E-08	6.05E-08	6.95E-09	3.25E-09	1.02E-08	5.13E-09	1.86E-09	6.99E-09
3455	609406.2	4170461	4.01E-08	1.78E-08	5.79E-08	6.66E-09	3.11E-09	9.77E-09	4.91E-09	1.78E-09	6.69E-09
3456	609415.3	4170458	3.82E-08	1.70E-08	5.52E-08	6.35E-09	2.97E-09	9.31E-09	4.68E-09	1.70E-09	6.38E-09
3457	609325	4170489	5.01E-08	2.23E-08	7.23E-08	8.31E-09	3.89E-09	1.22E-08	6.14E-09	2.22E-09	8.36E-09
3458	609317.3	4170495	5.12E-08	2.28E-08	7.40E-08	8.51E-09	3.98E-09	1.25E-08	6.28E-09	2.27E-09	8.55E-09
3459	609309.7	4170501	5.21E-08	2.32E-08	7.53E-08	8.65E-09	4.05E-09	1.27E-08	6.39E-09	2.31E-09	8.70E-09
3460	609286.7	4170519	5.27E-08	2.35E-08	7.61E-08	8.75E-09	4.09E-09	1.28E-08	6.46E-09	2.34E-09	8.80E-09
3461	609256	4170542	4.89E-08	2.17E-08	7.06E-08	8.12E-09	3.80E-09	1.19E-08	5.99E-09	2.17E-09	8.16E-09
3462	609248.4	4170548	4.72E-08	2.10E-08	6.82E-08	7.84E-09	3.67E-09	1.15E-08	5.78E-09	2.09E-09	7.88E-09
3463	609240.7	4170554	4.52E-08	2.01E-08	6.54E-08	7.52E-09	3.52E-09	1.10E-08	5.55E-09	2.01E-09	7.56E-09
3464	609233.1	4170560	4.31E-08	1.92E-08	6.23E-08	7.16E-09	3.35E-09	1.05E-08	5.29E-09	1.91E-09	7.20E-09
3465	609225.4	4170566	4.08E-08	1.82E-08	5.90E-08	6.78E-09	3.17E-09	9.96E-09	5.01E-09	1.81E-09	6.82E-09
3466	609217.7	4170572	3.84E-08	1.71E-08	5.56E-08	6.39E-09	2.99E-09	9.37E-09	4.71E-09	1.71E-09	6.42E-09
3467	609210.1	4170578	3.60E-08	1.60E-08	5.20E-08	5.98E-09	2.80E-09	8.78E-09	4.41E-09	1.60E-09	6.01E-09
3468	609327.6	4170478	4.64E-08	2.06E-08	6.70E-08	7.71E-09	3.61E-09	1.13E-08	5.69E-09	2.06E-09	7.75E-09

3469	609336.4	4170475	4.60E-08	2.05E-08	6.65E-08	7.64E-09	3.57E-09	1.12E-08	5.64E-09	2.04E-09	7.68E-09
3470	609345.2	4170472	4.54E-08	2.02E-08	6.56E-08	7.54E-09	3.53E-09	1.11E-08	5.56E-09	2.01E-09	7.58E-09
3471	609354	4170469	4.45E-08	1.98E-08	6.44E-08	7.40E-09	3.46E-09	1.09E-08	5.46E-09	1.98E-09	7.44E-09
3472	609362.8	4170466	4.35E-08	1.94E-08	6.29E-08	7.23E-09	3.38E-09	1.06E-08	5.34E-09	1.93E-09	7.27E-09
3473	609371.6	4170463	4.23E-08	1.88E-08	6.12E-08	7.03E-09	3.29E-09	1.03E-08	5.19E-09	1.88E-09	7.07E-09
3474	609380.4	4170460	4.10E-08	1.83E-08	5.93E-08	6.81E-09	3.19E-09	1.00E-08	5.03E-09	1.82E-09	6.85E-09
3475	609389.2	4170457	3.96E-08	1.76E-08	5.72E-08	6.57E-09	3.07E-09	9.64E-09	4.85E-09	1.76E-09	6.61E-09
3476	609398	4170454	3.80E-08	1.69E-08	5.49E-08	6.31E-09	2.95E-09	9.26E-09	4.66E-09	1.69E-09	6.34E-09
3477	609406.8	4170451	3.64E-08	1.62E-08	5.25E-08	6.04E-09	2.83E-09	8.87E-09	4.46E-09	1.61E-09	6.07E-09
3478	609415.6	4170448	3.47E-08	1.54E-08	5.01E-08	5.76E-09	2.69E-09	8.45E-09	4.25E-09	1.54E-09	5.79E-09
3479	609318.8	4170481	4.66E-08	2.07E-08	6.73E-08	7.74E-09	3.62E-09	1.14E-08	5.71E-09	2.07E-09	7.78E-09
3480	609311.2	4170487	4.76E-08	2.12E-08	6.88E-08	7.91E-09	3.70E-09	1.16E-08	5.84E-09	2.11E-09	7.95E-09
3481	609303.5	4170493	4.84E-08	2.15E-08	6.99E-08	8.04E-09	3.76E-09	1.18E-08	5.93E-09	2.15E-09	8.08E-09
3482	609295.9	4170499	4.89E-08	2.18E-08	7.07E-08	8.12E-09	3.80E-09	1.19E-08	5.99E-09	2.17E-09	8.16E-09
3483	609265.2	4170523	4.79E-08	2.13E-08	6.92E-08	7.96E-09	3.72E-09	1.17E-08	5.87E-09	2.13E-09	8.00E-09
3484	609257.6	4170529	4.69E-08	2.09E-08	6.78E-08	7.79E-09	3.64E-09	1.14E-08	5.75E-09	2.08E-09	7.83E-09
3485	609249.9	4170535	4.56E-08	2.03E-08	6.60E-08	7.58E-09	3.55E-09	1.11E-08	5.60E-09	2.03E-09	7.62E-09
3486	609242.2	4170540	4.41E-08	1.96E-08	6.38E-08	7.33E-09	3.43E-09	1.08E-08	5.41E-09	1.96E-09	7.37E-09
3487	609234.6	4170546	4.24E-08	1.89E-08	6.13E-08	7.05E-09	3.30E-09	1.03E-08	5.20E-09	1.88E-09	7.09E-09
3488	609226.9	4170552	4.05E-08	1.80E-08	5.86E-08	6.73E-09	3.15E-09	9.88E-09	4.97E-09	1.80E-09	6.77E-09
3489	609219.3	4170558	3.85E-08	1.71E-08	5.56E-08	6.39E-09	2.99E-09	9.38E-09	4.72E-09	1.71E-09	6.43E-09
3490	609211.6	4170564	3.64E-08	1.62E-08	5.25E-08	6.04E-09	2.82E-09	8.86E-09	4.46E-09	1.61E-09	6.07E-09
3491	609204	4170570	3.42E-08	1.52E-08	4.94E-08	5.68E-09	2.65E-09	8.33E-09	4.19E-09	1.52E-09	5.71E-09
3492	609321.3	4170470	4.33E-08	1.93E-08	6.26E-08	7.19E-09	3.36E-09	1.06E-08	5.31E-09	1.92E-09	7.23E-09
3493	609329.9	4170467	4.30E-08	1.91E-08	6.21E-08	7.13E-09	3.34E-09	1.05E-08	5.27E-09	1.91E-09	7.17E-09
3494	609338.5	4170464	4.24E-08	1.89E-08	6.13E-08	7.05E-09	3.30E-09	1.03E-08	5.20E-09	1.88E-09	7.08E-09
3495	609347.1	4170461	4.17E-08	1.86E-08	6.03E-08	6.93E-09	3.24E-09	1.02E-08	5.11E-09	1.85E-09	6.96E-09
3496	609355.7	4170459	4.08E-08	1.82E-08	5.90E-08	6.78E-09	3.17E-09	9.95E-09	5.01E-09	1.81E-09	6.82E-09
3497	609372.9	4170453	3.86E-08	1.72E-08	5.58E-08	6.42E-09	3.00E-09	9.42E-09	4.74E-09	1.72E-09	6.45E-09
3498	609381.5	4170450	3.74E-08	1.66E-08	5.40E-08	6.21E-09	2.90E-09	9.11E-09	4.58E-09	1.66E-09	6.24E-09
3499	609398.7	4170444	3.46E-08	1.54E-08	5.00E-08	5.74E-09	2.69E-09	8.43E-09	4.24E-09	1.54E-09	5.78E-09
3500	609415.9	4170438	3.16E-08	1.41E-08	4.56E-08	5.25E-09	2.45E-09	7.70E-09	3.87E-09	1.40E-09	5.27E-09
3501	609312.7	4170473	4.35E-08	1.93E-08	6.28E-08	7.22E-09	3.38E-09	1.06E-08	5.33E-09	1.93E-09	7.26E-09
3502	609305	4170479	4.44E-08	1.98E-08	6.42E-08	7.38E-09	3.45E-09	1.08E-08	5.44E-09	1.97E-09	7.41E-09
3503	609297.4	4170485	4.51E-08	2.01E-08	6.52E-08	7.49E-09	3.51E-09	1.10E-08	5.53E-09	2.00E-09	7.53E-09
3504	609289.7	4170491	4.56E-08	2.03E-08	6.58E-08	7.57E-09	3.54E-09	1.11E-08	5.59E-09	2.02E-09	7.61E-09
3505	609282.1	4170497	4.58E-08	2.04E-08	6.61E-08	7.60E-09	3.56E-09	1.12E-08	5.61E-09	2.03E-09	7.64E-09
3506	609266.8	4170509	4.53E-08	2.02E-08	6.55E-08	7.53E-09	3.52E-09	1.11E-08	5.56E-09	2.01E-09	7.57E-09
3507	609259.1	4170515	4.47E-08	1.99E-08	6.46E-08	7.43E-09	3.48E-09	1.09E-08	5.48E-09	1.99E-09	7.47E-09
3508	609251.4	4170521	4.39E-08	1.95E-08	6.34E-08	7.29E-09	3.41E-09	1.07E-08	5.38E-09	1.95E-09	7.32E-09
3509	609243.8	4170527	4.27E-08	1.90E-08	6.18E-08	7.10E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.14E-09
3510	609236.1	4170533	4.14E-08	1.84E-08	5.98E-08	6.88E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.92E-09
3511	609228.5	4170539	3.99E-08	1.78E-08	5.76E-08	6.63E-09	3.10E-09	9.72E-09	4.89E-09	1.77E-09	6.66E-09
3512	609220.8	4170544	3.82E-08	1.70E-08	5.52E-08	6.34E-09	2.97E-09	9.31E-09	4.68E-09	1.70E-09	6.38E-09
3513	609213.1	4170550	3.64E-08	1.62E-08	5.25E-08	6.04E-09	2.83E-09	8.87E-09	4.46E-09	1.61E-09	6.07E-09
3514	609205.5	4170556	3.44E-08	1.53E-08	4.98E-08	5.72E-09	2.68E-09	8.40E-09	4.22E-09	1.53E-09	5.75E-09
3515	609197.8	4170562	3.25E-08	1.45E-08	4.69E-08	5.40E-09	2.52E-09	7.92E-09	3.98E-09	1.44E-09	5.42E-09
3516	609315.7	4170462	4.05E-08	1.80E-08	5.85E-08	6.73E-09	3.15E-09	9.87E-09	4.97E-09	1.80E-09	6.76E-09
3517	609324.7	4170459	4.02E-08	1.79E-08	5.80E-08	6.67E-09	3.12E-09	9.79E-09	4.92E-09	1.78E-09	6.71E-09
3518	609333.8	4170456	3.96E-08	1.76E-08	5.72E-08	6.58E-09	3.08E-09	9.66E-09	4.86E-09	1.76E-09	6.62E-09
3519	609342.9	4170453	3.89E-08	1.73E-08	5.62E-08	6.46E-09	3.02E-09	9.48E-09	4.77E-09	1.73E-09	6.50E-09
3520	609351.9	4170450	3.80E-08	1.69E-08	5.50E-08	6.32E-09	2.96E-09	9.27E-09	4.66E-09	1.69E-09	6.35E-09
3521	609361	4170447	3.70E-08	1.65E-08	5.35E-08	6.15E-09	2.88E-09	9.02E-09	4.54E-09	1.64E-09	6.18E-09
3522	609370.1	4170444	3.59E-08	1.60E-08	5.18E-08	5.96E-09	2.79E-09	8.75E-09	4.40E-09	1.59E-09	5.99E-09
3523	609379.2	4170441	3.46E-08	1.54E-08	5.00E-08	5.75E-09	2.69E-09	8.44E-09	4.24E-09	1.54E-09	5.78E-09
3524	609388.2	4170438	3.33E-08	1.48E-08	4.81E-08	5.53E-09	2.59E-09	8.11E-09	4.08E-09	1.48E-09	5.56E-09

3525	609397.3	4170435	3.19E-08	1.42E-08	4.61E-08	5.29E-09	2.48E-09	7.77E-09	3.91E-09	1.41E-09	5.32E-09
3526	609406.4	4170431	3.04E-08	1.35E-08	4.40E-08	5.05E-09	2.36E-09	7.42E-09	3.73E-09	1.35E-09	5.08E-09
3527	609415.5	4170428	2.89E-08	1.29E-08	4.18E-08	4.81E-09	2.25E-09	7.06E-09	3.55E-09	1.28E-09	4.83E-09
3528	609306.6	4170465	4.07E-08	1.81E-08	5.87E-08	6.75E-09	3.16E-09	9.91E-09	4.98E-09	1.80E-09	6.79E-09
3529	609298.9	4170471	4.15E-08	1.85E-08	6.00E-08	6.89E-09	3.23E-09	1.01E-08	5.09E-09	1.84E-09	6.93E-09
3530	609291.3	4170477	4.22E-08	1.88E-08	6.09E-08	7.00E-09	3.28E-09	1.03E-08	5.17E-09	1.87E-09	7.04E-09
3531	609283.6	4170483	4.26E-08	1.90E-08	6.15E-08	7.07E-09	3.31E-09	1.04E-08	5.22E-09	1.89E-09	7.11E-09
3532	609275.9	4170489	4.28E-08	1.90E-08	6.18E-08	7.11E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.14E-09
3533	609268.3	4170495	4.27E-08	1.90E-08	6.17E-08	7.10E-09	3.32E-09	1.04E-08	5.24E-09	1.90E-09	7.14E-09
3534	609260.6	4170501	4.24E-08	1.89E-08	6.13E-08	7.05E-09	3.30E-09	1.03E-08	5.20E-09	1.88E-09	7.08E-09
3535	609253	4170507	4.19E-08	1.86E-08	6.05E-08	6.96E-09	3.25E-09	1.02E-08	5.14E-09	1.86E-09	6.99E-09
3536	609245.3	4170513	4.11E-08	1.83E-08	5.94E-08	6.83E-09	3.19E-09	1.00E-08	5.04E-09	1.82E-09	6.87E-09
3537	609237.6	4170519	4.01E-08	1.79E-08	5.80E-08	6.66E-09	3.12E-09	9.78E-09	4.92E-09	1.78E-09	6.70E-09
3538	609230	4170525	3.89E-08	1.73E-08	5.63E-08	6.47E-09	3.03E-09	9.49E-09	4.77E-09	1.73E-09	6.50E-09
3539	609222.3	4170531	3.76E-08	1.67E-08	5.43E-08	6.24E-09	2.92E-09	9.16E-09	4.61E-09	1.67E-09	6.27E-09
3540	609214.7	4170537	3.61E-08	1.60E-08	5.21E-08	5.99E-09	2.80E-09	8.79E-09	4.42E-09	1.60E-09	6.02E-09
3541	609207	4170542	3.44E-08	1.53E-08	4.97E-08	5.72E-09	2.67E-09	8.39E-09	4.22E-09	1.53E-09	5.75E-09
3542	609199.3	4170548	3.27E-08	1.46E-08	4.72E-08	5.43E-09	2.54E-09	7.97E-09	4.01E-09	1.45E-09	5.46E-09
3543	609191.7	4170554	3.09E-08	1.38E-08	4.47E-08	5.14E-09	2.40E-09	7.54E-09	3.79E-09	1.37E-09	5.16E-09
3544	609309.3	4170454	3.80E-08	1.69E-08	5.49E-08	6.31E-09	2.95E-09	9.26E-09	4.66E-09	1.69E-09	6.34E-09
3545	609318.2	4170451	3.77E-08	1.68E-08	5.44E-08	6.26E-09	2.93E-09	9.19E-09	4.62E-09	1.67E-09	6.29E-09
3546	609327.1	4170448	3.72E-08	1.66E-08	5.38E-08	6.18E-09	2.89E-09	9.07E-09	4.56E-09	1.65E-09	6.21E-09
3547	609335.9	4170445	3.66E-08	1.63E-08	5.29E-08	6.08E-09	2.84E-09	8.92E-09	4.49E-09	1.62E-09	6.11E-09
3548	609344.8	4170442	3.58E-08	1.60E-08	5.18E-08	5.95E-09	2.78E-09	8.74E-09	4.39E-09	1.59E-09	5.98E-09
3549	609353.7	4170439	3.50E-08	1.56E-08	5.05E-08	5.81E-09	2.72E-09	8.52E-09	4.29E-09	1.55E-09	5.84E-09
3550	609362.5	4170436	3.40E-08	1.51E-08	4.91E-08	5.64E-09	2.64E-09	8.28E-09	4.16E-09	1.51E-09	5.67E-09
3551	609371.4	4170433	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.55E-09	8.01E-09	4.03E-09	1.46E-09	5.49E-09
3552	609380.3	4170430	3.17E-08	1.41E-08	4.58E-08	5.26E-09	2.46E-09	7.72E-09	3.88E-09	1.41E-09	5.29E-09
3553	609300.4	4170457	3.81E-08	1.70E-08	5.51E-08	6.33E-09	2.96E-09	9.29E-09	4.67E-09	1.69E-09	6.37E-09
3554	609292.8	4170463	3.89E-08	1.73E-08	5.62E-08	6.46E-09	3.02E-09	9.48E-09	4.77E-09	1.73E-09	6.50E-09
3555	609285.1	4170469	3.95E-08	1.76E-08	5.71E-08	6.56E-09	3.07E-09	9.63E-09	4.84E-09	1.75E-09	6.60E-09
3556	609277.5	4170475	3.99E-08	1.78E-08	5.77E-08	6.63E-09	3.10E-09	9.73E-09	4.89E-09	1.77E-09	6.66E-09
3557	609269.8	4170481	4.01E-08	1.78E-08	5.79E-08	6.66E-09	3.11E-09	9.77E-09	4.91E-09	1.78E-09	6.69E-09
3558	609262.2	4170487	4.00E-08	1.78E-08	5.79E-08	6.65E-09	3.11E-09	9.76E-09	4.91E-09	1.78E-09	6.69E-09
3559	609254.5	4170493	3.98E-08	1.77E-08	5.75E-08	6.61E-09	3.09E-09	9.70E-09	4.88E-09	1.77E-09	6.64E-09
3560	609246.8	4170499	3.93E-08	1.75E-08	5.68E-08	6.53E-09	3.05E-09	9.58E-09	4.82E-09	1.74E-09	6.56E-09
3561	609239.2	4170505	3.86E-08	1.72E-08	5.58E-08	6.42E-09	3.00E-09	9.42E-09	4.74E-09	1.71E-09	6.45E-09
3562	609231.5	4170511	3.77E-08	1.68E-08	5.45E-08	6.27E-09	2.93E-09	9.20E-09	4.63E-09	1.68E-09	6.30E-09
3563	609223.9	4170517	3.67E-08	1.63E-08	5.30E-08	6.09E-09	2.85E-09	8.94E-09	4.50E-09	1.63E-09	6.13E-09
3564	609216.2	4170523	3.55E-08	1.58E-08	5.12E-08	5.89E-09	2.76E-09	8.65E-09	4.35E-09	1.57E-09	5.92E-09
3565	609208.5	4170529	3.41E-08	1.52E-08	4.93E-08	5.67E-09	2.65E-09	8.32E-09	4.18E-09	1.51E-09	5.70E-09
3566	609200.9	4170535	3.26E-08	1.45E-08	4.72E-08	5.42E-09	2.54E-09	7.96E-09	4.00E-09	1.45E-09	5.45E-09
3567	609193.2	4170541	3.11E-08	1.38E-08	4.49E-08	5.16E-09	2.42E-09	7.58E-09	3.81E-09	1.38E-09	5.19E-09
3568	609185.6	4170546	2.95E-08	1.31E-08	4.26E-08	4.90E-09	2.29E-09	7.19E-09	3.61E-09	1.31E-09	4.92E-09
3569	609303	4170446	3.57E-08	1.59E-08	5.16E-08	5.93E-09	2.77E-09	8.70E-09	4.38E-09	1.58E-09	5.96E-09
3570	609311.7	4170444	3.54E-08	1.58E-08	5.12E-08	5.89E-09	2.75E-09	8.64E-09	4.34E-09	1.57E-09	5.92E-09
3571	609320.4	4170441	3.50E-08	1.56E-08	5.06E-08	5.82E-09	2.72E-09	8.54E-09	4.29E-09	1.55E-09	5.85E-09
3572	609329.1	4170438	3.45E-08	1.53E-08	4.98E-08	5.73E-09	2.68E-09	8.41E-09	4.23E-09	1.53E-09	5.76E-09
3573	609337.8	4170435	3.38E-08	1.51E-08	4.89E-08	5.62E-09	2.63E-09	8.25E-09	4.15E-09	1.50E-09	5.65E-09
3574	609346.5	4170432	3.30E-08	1.47E-08	4.78E-08	5.49E-09	2.57E-09	8.06E-09	4.05E-09	1.47E-09	5.52E-09
3575	609355.2	4170429	3.22E-08	1.43E-08	4.65E-08	5.34E-09	2.50E-09	7.84E-09	3.94E-09	1.43E-09	5.37E-09
3576	609416	4170408	2.44E-08	1.08E-08	3.52E-08	4.05E-09	1.89E-09	5.94E-09	2.99E-09	1.08E-09	4.07E-09
3577	609294.3	4170449	3.58E-08	1.59E-08	5.18E-08	5.95E-09	2.78E-09	8.73E-09	4.39E-09	1.59E-09	5.98E-09
3578	609286.7	4170455	3.65E-08	1.63E-08	5.28E-08	6.07E-09	2.84E-09	8.91E-09	4.48E-09	1.62E-09	6.10E-09
3579	609279	4170461	3.71E-08	1.65E-08	5.36E-08	6.16E-09	2.88E-09	9.04E-09	4.55E-09	1.65E-09	6.19E-09
3580	609271.3	4170467	3.75E-08	1.67E-08	5.41E-08	6.22E-09	2.91E-09	9.13E-09	4.59E-09	1.66E-09	6.26E-09

3581	609263.7	4170473	3.76E-08	1.68E-08	5.44E-08	6.25E-09	2.92E-09	9.18E-09	4.61E-09	1.67E-09	6.29E-09
3582	609256	4170479	3.76E-08	1.67E-08	5.44E-08	6.25E-09	2.92E-09	9.17E-09	4.61E-09	1.67E-09	6.28E-09
3583	609248.4	4170485	3.74E-08	1.66E-08	5.40E-08	6.21E-09	2.91E-09	9.12E-09	4.58E-09	1.66E-09	6.24E-09
3584	609240.7	4170491	3.70E-08	1.65E-08	5.34E-08	6.14E-09	2.87E-09	9.01E-09	4.53E-09	1.64E-09	6.17E-09
3585	609233	4170497	3.64E-08	1.62E-08	5.25E-08	6.04E-09	2.83E-09	8.87E-09	4.46E-09	1.61E-09	6.07E-09
3586	609225.4	4170503	3.56E-08	1.58E-08	5.14E-08	5.91E-09	2.76E-09	8.67E-09	4.36E-09	1.58E-09	5.94E-09
3587	609217.7	4170509	3.46E-08	1.54E-08	5.00E-08	5.75E-09	2.69E-09	8.44E-09	4.25E-09	1.54E-09	5.78E-09
3588	609210.1	4170515	3.35E-08	1.49E-08	4.85E-08	5.57E-09	2.61E-09	8.18E-09	4.11E-09	1.49E-09	5.60E-09
3589	609202.4	4170521	3.23E-08	1.44E-08	4.67E-08	5.37E-09	2.51E-09	7.88E-09	3.96E-09	1.43E-09	5.40E-09
3590	609194.7	4170527	3.10E-08	1.38E-08	4.48E-08	5.15E-09	2.41E-09	7.56E-09	3.80E-09	1.38E-09	5.18E-09
3591	609187.1	4170533	2.96E-08	1.32E-08	4.27E-08	4.91E-09	2.30E-09	7.21E-09	3.63E-09	1.31E-09	4.94E-09
3592	609297.3	4170438	3.36E-08	1.50E-08	4.86E-08	5.58E-09	2.61E-09	8.19E-09	4.12E-09	1.49E-09	5.61E-09
3593	609306.4	4170435	3.33E-08	1.48E-08	4.82E-08	5.54E-09	2.59E-09	8.13E-09	4.09E-09	1.48E-09	5.57E-09
3594	609315.5	4170432	3.29E-08	1.47E-08	4.76E-08	5.47E-09	2.56E-09	8.03E-09	4.04E-09	1.46E-09	5.50E-09
3595	609324.6	4170429	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
3596	609388.3	4170408	2.60E-08	1.16E-08	3.75E-08	4.31E-09	2.02E-09	6.33E-09	3.18E-09	1.15E-09	4.33E-09
3597	609397.4	4170405	2.48E-08	1.10E-08	3.59E-08	4.12E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.14E-09
3598	609406.6	4170401	2.37E-08	1.05E-08	3.42E-08	3.93E-09	1.84E-09	5.77E-09	2.90E-09	1.05E-09	3.95E-09
3599	609415.7	4170398	2.25E-08	1.00E-08	3.25E-08	3.74E-09	1.75E-09	5.49E-09	2.76E-09	9.99E-10	3.76E-09
3600	609288.2	4170442	3.37E-08	1.50E-08	4.88E-08	5.60E-09	2.62E-09	8.23E-09	4.14E-09	1.50E-09	5.63E-09
3601	609280.5	4170447	3.44E-08	1.53E-08	4.97E-08	5.71E-09	2.67E-09	8.39E-09	4.22E-09	1.53E-09	5.74E-09
3602	609272.9	4170453	3.49E-08	1.55E-08	5.04E-08	5.80E-09	2.71E-09	8.51E-09	4.28E-09	1.55E-09	5.83E-09
3603	609265.2	4170459	3.52E-08	1.57E-08	5.09E-08	5.86E-09	2.74E-09	8.59E-09	4.32E-09	1.56E-09	5.89E-09
3604	609257.5	4170465	3.54E-08	1.58E-08	5.12E-08	5.88E-09	2.75E-09	8.63E-09	4.34E-09	1.57E-09	5.91E-09
3605	609249.9	4170471	3.54E-08	1.58E-08	5.12E-08	5.88E-09	2.75E-09	8.63E-09	4.34E-09	1.57E-09	5.91E-09
3606	609242.2	4170477	3.52E-08	1.57E-08	5.09E-08	5.85E-09	2.74E-09	8.59E-09	4.32E-09	1.56E-09	5.88E-09
3607	609234.6	4170483	3.48E-08	1.55E-08	5.03E-08	5.79E-09	2.71E-09	8.50E-09	4.27E-09	1.55E-09	5.82E-09
3608	609226.9	4170489	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.67E-09	8.36E-09	4.21E-09	1.52E-09	5.73E-09
3609	609219.3	4170495	3.36E-08	1.50E-08	4.86E-08	5.58E-09	2.61E-09	8.19E-09	4.12E-09	1.49E-09	5.61E-09
3610	609211.6	4170501	3.27E-08	1.46E-08	4.73E-08	5.44E-09	2.54E-09	7.98E-09	4.01E-09	1.45E-09	5.47E-09
3611	609203.9	4170507	3.18E-08	1.41E-08	4.59E-08	5.28E-09	2.47E-09	7.74E-09	3.89E-09	1.41E-09	5.30E-09
3612	609196.3	4170513	3.07E-08	1.36E-08	4.43E-08	5.09E-09	2.38E-09	7.47E-09	3.76E-09	1.36E-09	5.12E-09
3613	609291	4170431	3.17E-08	1.41E-08	4.58E-08	5.27E-09	2.46E-09	7.73E-09	3.89E-09	1.41E-09	5.30E-09
3614	609299.9	4170428	3.15E-08	1.40E-08	4.55E-08	5.23E-09	2.45E-09	7.68E-09	3.86E-09	1.40E-09	5.26E-09
3615	609362.4	4170406	2.69E-08	1.20E-08	3.88E-08	4.47E-09	2.09E-09	6.55E-09	3.30E-09	1.19E-09	4.49E-09
3616	609371.3	4170403	2.59E-08	1.15E-08	3.75E-08	4.31E-09	2.01E-09	6.32E-09	3.18E-09	1.15E-09	4.33E-09
3617	609380.2	4170400	2.49E-08	1.11E-08	3.60E-08	4.14E-09	1.94E-09	6.08E-09	3.06E-09	1.11E-09	4.16E-09
3618	609389.1	4170397	2.39E-08	1.06E-08	3.46E-08	3.97E-09	1.86E-09	5.83E-09	2.93E-09	1.06E-09	3.99E-09
3619	609398.1	4170394	2.29E-08	1.02E-08	3.30E-08	3.80E-09	1.78E-09	5.58E-09	2.80E-09	1.02E-09	3.82E-09
3620	609407	4170391	2.18E-08	9.71E-09	3.15E-08	3.63E-09	1.70E-09	5.32E-09	2.68E-09	9.69E-10	3.64E-09
3621	609415.9	4170388	2.08E-08	9.25E-09	3.00E-08	3.45E-09	1.61E-09	5.07E-09	2.55E-09	9.23E-10	3.47E-09
3622	609282.1	4170434	3.18E-08	1.42E-08	4.60E-08	5.29E-09	2.47E-09	7.76E-09	3.90E-09	1.41E-09	5.32E-09
3623	609274.4	4170440	3.24E-08	1.44E-08	4.69E-08	5.39E-09	2.52E-09	7.91E-09	3.98E-09	1.44E-09	5.42E-09
3624	609266.7	4170446	3.29E-08	1.46E-08	4.76E-08	5.47E-09	2.56E-09	8.02E-09	4.04E-09	1.46E-09	5.50E-09
3625	609259.1	4170451	3.32E-08	1.48E-08	4.80E-08	5.52E-09	2.58E-09	8.10E-09	4.07E-09	1.48E-09	5.55E-09
3626	609251.4	4170457	3.34E-08	1.49E-08	4.83E-08	5.55E-09	2.59E-09	8.14E-09	4.09E-09	1.48E-09	5.58E-09
3627	609243.8	4170463	3.34E-08	1.49E-08	4.83E-08	5.55E-09	2.59E-09	8.14E-09	4.09E-09	1.48E-09	5.58E-09
3628	609236.1	4170469	3.32E-08	1.48E-08	4.80E-08	5.52E-09	2.58E-09	8.10E-09	4.07E-09	1.47E-09	5.55E-09
3629	609228.4	4170475	3.29E-08	1.46E-08	4.75E-08	5.46E-09	2.56E-09	8.02E-09	4.03E-09	1.46E-09	5.49E-09
3630	609220.8	4170481	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
3631	609213.1	4170487	3.18E-08	1.41E-08	4.59E-08	5.28E-09	2.47E-09	7.75E-09	3.90E-09	1.41E-09	5.31E-09
3632	609167.2	4170523	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
3633	609337.3	4170405	2.72E-08	1.21E-08	3.94E-08	4.53E-09	2.12E-09	6.64E-09	3.34E-09	1.21E-09	4.55E-09
3634	609346	4170402	2.65E-08	1.18E-08	3.83E-08	4.40E-09	2.06E-09	6.46E-09	3.25E-09	1.18E-09	4.42E-09
3635	609354.8	4170399	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
3636	609363.6	4170396	2.48E-08	1.11E-08	3.59E-08	4.13E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.15E-09

3637	609372.3	4170393	2.39E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
3638	609381.1	4170390	2.30E-08	1.02E-08	3.33E-08	3.82E-09	1.79E-09	5.61E-09	2.82E-09	1.02E-09	3.84E-09
3639	609389.9	4170387	2.21E-08	9.83E-09	3.19E-08	3.67E-09	1.72E-09	5.38E-09	2.71E-09	9.80E-10	3.69E-09
3640	609398.6	4170384	2.11E-08	9.40E-09	3.05E-08	3.51E-09	1.64E-09	5.15E-09	2.59E-09	9.38E-10	3.53E-09
3641	609407.4	4170381	2.02E-08	8.98E-09	2.92E-08	3.35E-09	1.57E-09	4.92E-09	2.47E-09	8.96E-10	3.37E-09
3642	609416.2	4170378	1.92E-08	8.56E-09	2.78E-08	3.20E-09	1.50E-09	4.69E-09	2.36E-09	8.54E-10	3.21E-09
3643	609268.3	4170432	3.07E-08	1.36E-08	4.43E-08	5.09E-09	2.38E-09	7.47E-09	3.76E-09	1.36E-09	5.12E-09
3644	609260.6	4170438	3.11E-08	1.38E-08	4.49E-08	5.16E-09	2.42E-09	7.58E-09	3.81E-09	1.38E-09	5.19E-09
3645	609252.9	4170444	3.14E-08	1.40E-08	4.54E-08	5.21E-09	2.44E-09	7.65E-09	3.85E-09	1.39E-09	5.24E-09
3646	609245.3	4170449	3.15E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.69E-09	3.87E-09	1.40E-09	5.27E-09
3647	609237.6	4170455	3.15E-08	1.40E-08	4.56E-08	5.24E-09	2.45E-09	7.69E-09	3.87E-09	1.40E-09	5.27E-09
3648	609230	4170461	3.14E-08	1.40E-08	4.54E-08	5.22E-09	2.44E-09	7.66E-09	3.85E-09	1.39E-09	5.24E-09
3649	609222.3	4170467	3.11E-08	1.38E-08	4.50E-08	5.17E-09	2.42E-09	7.59E-09	3.81E-09	1.38E-09	5.20E-09
3650	609214.6	4170473	3.07E-08	1.37E-08	4.43E-08	5.10E-09	2.38E-09	7.48E-09	3.76E-09	1.36E-09	5.12E-09
3651	609168.7	4170509	2.57E-08	1.14E-08	3.71E-08	4.26E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
3652	609161	4170515	2.46E-08	1.09E-08	3.55E-08	4.08E-09	1.91E-09	5.99E-09	3.01E-09	1.09E-09	4.11E-09
3653	609306.3	4170405	2.75E-08	1.22E-08	3.97E-08	4.56E-09	2.13E-09	6.69E-09	3.37E-09	1.22E-09	4.58E-09
3654	609315.4	4170402	2.69E-08	1.20E-08	3.89E-08	4.48E-09	2.09E-09	6.57E-09	3.30E-09	1.20E-09	4.50E-09
3655	609324.6	4170399	2.63E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.42E-09	3.23E-09	1.17E-09	4.40E-09
3656	609333.7	4170396	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
3657	609342.8	4170393	2.49E-08	1.11E-08	3.60E-08	4.14E-09	1.94E-09	6.08E-09	3.06E-09	1.11E-09	4.17E-09
3658	609352	4170390	2.42E-08	1.07E-08	3.49E-08	4.01E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.03E-09
3659	609361.1	4170387	2.33E-08	1.04E-08	3.37E-08	3.87E-09	1.81E-09	5.68E-09	2.86E-09	1.03E-09	3.89E-09
3660	609370.2	4170384	2.24E-08	9.99E-09	3.24E-08	3.73E-09	1.74E-09	5.47E-09	2.75E-09	9.96E-10	3.75E-09
3661	609379.3	4170381	2.16E-08	9.59E-09	3.11E-08	3.58E-09	1.67E-09	5.25E-09	2.64E-09	9.57E-10	3.60E-09
3662	609388.5	4170378	2.06E-08	9.19E-09	2.98E-08	3.43E-09	1.60E-09	5.03E-09	2.53E-09	9.16E-10	3.45E-09
3663	609397.6	4170375	1.97E-08	8.78E-09	2.85E-08	3.28E-09	1.53E-09	4.81E-09	2.42E-09	8.76E-10	3.29E-09
3664	609406.7	4170372	1.88E-08	8.37E-09	2.72E-08	3.13E-09	1.46E-09	4.59E-09	2.31E-09	8.35E-10	3.14E-09
3665	609415.9	4170368	1.79E-08	7.97E-09	2.59E-08	2.98E-09	1.39E-09	4.37E-09	2.20E-09	7.95E-10	2.99E-09
3666	609254.5	4170430	2.94E-08	1.31E-08	4.25E-08	4.89E-09	2.29E-09	7.17E-09	3.61E-09	1.31E-09	4.91E-09
3667	609246.8	4170436	2.97E-08	1.32E-08	4.29E-08	4.93E-09	2.31E-09	7.24E-09	3.64E-09	1.32E-09	4.96E-09
3668	609239.2	4170442	2.98E-08	1.33E-08	4.31E-08	4.96E-09	2.32E-09	7.28E-09	3.66E-09	1.32E-09	4.98E-09
3669	609231.5	4170448	2.99E-08	1.33E-08	4.31E-08	4.96E-09	2.32E-09	7.28E-09	3.66E-09	1.33E-09	4.99E-09
3670	609223.8	4170453	2.97E-08	1.32E-08	4.30E-08	4.94E-09	2.31E-09	7.25E-09	3.65E-09	1.32E-09	4.97E-09
3671	609216.2	4170459	2.95E-08	1.31E-08	4.26E-08	4.90E-09	2.29E-09	7.19E-09	3.61E-09	1.31E-09	4.92E-09
3672	609208.5	4170465	2.91E-08	1.29E-08	4.20E-08	4.83E-09	2.26E-09	7.09E-09	3.57E-09	1.29E-09	4.86E-09
3673	609177.9	4170489	2.64E-08	1.17E-08	3.81E-08	4.38E-09	2.05E-09	6.44E-09	3.24E-09	1.17E-09	4.41E-09
3674	609170.2	4170495	2.55E-08	1.14E-08	3.69E-08	4.24E-09	1.98E-09	6.22E-09	3.13E-09	1.13E-09	4.26E-09
3675	609162.6	4170501	2.45E-08	1.09E-08	3.55E-08	4.08E-09	1.91E-09	5.99E-09	3.01E-09	1.09E-09	4.10E-09
3676	609154.9	4170507	2.36E-08	1.05E-08	3.40E-08	3.91E-09	1.83E-09	5.74E-09	2.89E-09	1.05E-09	3.93E-09
3677	609281.6	4170404	2.67E-08	1.19E-08	3.87E-08	4.44E-09	2.08E-09	6.52E-09	3.28E-09	1.19E-09	4.47E-09
3678	609290.6	4170401	2.65E-08	1.18E-08	3.82E-08	4.40E-09	2.06E-09	6.45E-09	3.24E-09	1.17E-09	4.42E-09
3679	609299.5	4170398	2.61E-08	1.16E-08	3.77E-08	4.33E-09	2.03E-09	6.36E-09	3.20E-09	1.16E-09	4.36E-09
3680	609308.5	4170395	2.56E-08	1.14E-08	3.70E-08	4.26E-09	1.99E-09	6.25E-09	3.14E-09	1.14E-09	4.28E-09
3681	609317.5	4170392	2.51E-08	1.12E-08	3.63E-08	4.17E-09	1.95E-09	6.12E-09	3.08E-09	1.11E-09	4.19E-09
3682	609326.4	4170389	2.45E-08	1.09E-08	3.54E-08	4.07E-09	1.90E-09	5.98E-09	3.01E-09	1.09E-09	4.09E-09
3683	609335.4	4170386	2.38E-08	1.06E-08	3.45E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
3684	609344.4	4170383	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.64E-09	2.84E-09	1.03E-09	3.86E-09
3685	609353.3	4170380	2.24E-08	9.96E-09	3.24E-08	3.72E-09	1.74E-09	5.46E-09	2.75E-09	9.94E-10	3.74E-09
3686	609362.3	4170377	2.16E-08	9.62E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.59E-10	3.61E-09
3687	609371.3	4170374	2.08E-08	9.26E-09	3.01E-08	3.45E-09	1.62E-09	5.07E-09	2.55E-09	9.23E-10	3.47E-09
3688	609380.2	4170370	2.00E-08	8.89E-09	2.89E-08	3.32E-09	1.55E-09	4.87E-09	2.45E-09	8.86E-10	3.34E-09
3689	609389.2	4170367	1.91E-08	8.52E-09	2.77E-08	3.18E-09	1.49E-09	4.67E-09	2.35E-09	8.49E-10	3.20E-09
3690	609398.2	4170364	1.83E-08	8.15E-09	2.65E-08	3.04E-09	1.42E-09	4.46E-09	2.24E-09	8.13E-10	3.06E-09
3691	609407.1	4170361	1.75E-08	7.78E-09	2.53E-08	2.90E-09	1.36E-09	4.26E-09	2.14E-09	7.76E-10	2.92E-09
3692	609416.1	4170358	1.67E-08	7.42E-09	2.41E-08	2.77E-09	1.29E-09	4.06E-09	2.04E-09	7.40E-10	2.78E-09

3693	609240.7	4170428	2.81E-08	1.25E-08	4.07E-08	4.68E-09	2.19E-09	6.86E-09	3.45E-09	1.25E-09	4.70E-09
3694	609233	4170434	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.90E-09	3.47E-09	1.26E-09	4.72E-09
3695	609225.4	4170440	2.83E-08	1.26E-08	4.09E-08	4.70E-09	2.20E-09	6.90E-09	3.47E-09	1.26E-09	4.73E-09
3696	609217.7	4170446	2.82E-08	1.26E-08	4.07E-08	4.68E-09	2.19E-09	6.88E-09	3.46E-09	1.25E-09	4.71E-09
3697	609210	4170452	2.80E-08	1.24E-08	4.04E-08	4.65E-09	2.17E-09	6.82E-09	3.43E-09	1.24E-09	4.67E-09
3698	609179.4	4170475	2.59E-08	1.15E-08	3.75E-08	4.31E-09	2.01E-09	6.32E-09	3.18E-09	1.15E-09	4.33E-09
3699	609171.8	4170481	2.52E-08	1.12E-08	3.64E-08	4.18E-09	1.96E-09	6.14E-09	3.09E-09	1.12E-09	4.20E-09
3700	609164.1	4170487	2.44E-08	1.08E-08	3.52E-08	4.05E-09	1.89E-09	5.94E-09	2.99E-09	1.08E-09	4.07E-09
3701	609156.4	4170493	2.35E-08	1.05E-08	3.40E-08	3.90E-09	1.83E-09	5.73E-09	2.88E-09	1.04E-09	3.92E-09
3702	609148.8	4170499	2.26E-08	1.01E-08	3.26E-08	3.75E-09	1.75E-09	5.51E-09	2.77E-09	1.00E-09	3.77E-09
3703	609266.4	4170399	2.56E-08	1.14E-08	3.70E-08	4.25E-09	1.99E-09	6.24E-09	3.14E-09	1.14E-09	4.27E-09
3704	609275.2	4170396	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.97E-09	6.20E-09	3.12E-09	1.13E-09	4.24E-09
3705	609284	4170393	2.52E-08	1.12E-08	3.64E-08	4.18E-09	1.96E-09	6.14E-09	3.09E-09	1.12E-09	4.20E-09
3706	609292.8	4170390	2.48E-08	1.11E-08	3.59E-08	4.12E-09	1.93E-09	6.05E-09	3.04E-09	1.10E-09	4.15E-09
3707	609301.6	4170387	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.95E-09	2.99E-09	1.08E-09	4.08E-09
3708	609310.5	4170384	2.39E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
3709	609319.3	4170381	2.34E-08	1.04E-08	3.38E-08	3.89E-09	1.82E-09	5.71E-09	2.87E-09	1.04E-09	3.91E-09
3710	609328.1	4170378	2.28E-08	1.02E-08	3.30E-08	3.79E-09	1.77E-09	5.56E-09	2.80E-09	1.01E-09	3.81E-09
3711	609336.9	4170375	2.22E-08	9.87E-09	3.20E-08	3.68E-09	1.72E-09	5.41E-09	2.72E-09	9.84E-10	3.70E-09
3712	609345.8	4170372	2.15E-08	9.57E-09	3.11E-08	3.57E-09	1.67E-09	5.24E-09	2.64E-09	9.54E-10	3.59E-09
3713	609354.6	4170369	2.08E-08	9.25E-09	3.00E-08	3.45E-09	1.62E-09	5.07E-09	2.55E-09	9.23E-10	3.47E-09
3714	609363.4	4170366	2.01E-08	8.93E-09	2.90E-08	3.33E-09	1.56E-09	4.89E-09	2.46E-09	8.90E-10	3.35E-09
3715	609372.2	4170363	1.93E-08	8.59E-09	2.79E-08	3.21E-09	1.50E-09	4.71E-09	2.37E-09	8.57E-10	3.22E-09
3716	609381	4170360	1.85E-08	8.26E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.23E-10	3.10E-09
3717	609389.9	4170357	1.78E-08	7.92E-09	2.57E-08	2.95E-09	1.38E-09	4.34E-09	2.18E-09	7.89E-10	2.97E-09
3718	609398.7	4170354	1.70E-08	7.58E-09	2.46E-08	2.83E-09	1.32E-09	4.15E-09	2.09E-09	7.56E-10	2.84E-09
3719	609407.5	4170351	1.63E-08	7.24E-09	2.35E-08	2.70E-09	1.26E-09	3.97E-09	2.00E-09	7.22E-10	2.72E-09
3720	609416.3	4170348	1.55E-08	6.91E-09	2.25E-08	2.58E-09	1.21E-09	3.79E-09	1.90E-09	6.90E-10	2.59E-09
3721	609257.5	4170402	2.57E-08	1.14E-08	3.71E-08	4.27E-09	2.00E-09	6.26E-09	3.15E-09	1.14E-09	4.29E-09
3722	609226.9	4170426	2.69E-08	1.20E-08	3.88E-08	4.46E-09	2.09E-09	6.55E-09	3.29E-09	1.19E-09	4.48E-09
3723	609219.2	4170432	2.69E-08	1.20E-08	3.88E-08	4.46E-09	2.09E-09	6.55E-09	3.29E-09	1.19E-09	4.49E-09
3724	609211.6	4170438	2.68E-08	1.19E-08	3.87E-08	4.45E-09	2.08E-09	6.53E-09	3.28E-09	1.19E-09	4.47E-09
3725	609180.9	4170461	2.53E-08	1.13E-08	3.66E-08	4.21E-09	1.97E-09	6.17E-09	3.11E-09	1.12E-09	4.23E-09
3726	609173.3	4170467	2.47E-08	1.10E-08	3.57E-08	4.11E-09	1.92E-09	6.03E-09	3.03E-09	1.10E-09	4.13E-09
3727	609165.6	4170473	2.40E-08	1.07E-08	3.47E-08	3.99E-09	1.87E-09	5.86E-09	2.95E-09	1.07E-09	4.02E-09
3728	609158	4170479	2.33E-08	1.04E-08	3.37E-08	3.87E-09	1.81E-09	5.68E-09	2.86E-09	1.03E-09	3.89E-09
3729	609150.3	4170485	2.25E-08	1.00E-08	3.25E-08	3.74E-09	1.75E-09	5.49E-09	2.76E-09	9.99E-10	3.76E-09
3730	609142.6	4170491	2.17E-08	9.64E-09	3.13E-08	3.60E-09	1.68E-09	5.28E-09	2.66E-09	9.62E-10	3.62E-09
3731	609260.5	4170391	2.43E-08	1.08E-08	3.52E-08	4.04E-09	1.89E-09	5.93E-09	2.98E-09	1.08E-09	4.06E-09
3732	609269.7	4170388	2.42E-08	1.08E-08	3.49E-08	4.01E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.03E-09
3733	609278.8	4170385	2.39E-08	1.06E-08	3.46E-08	3.97E-09	1.86E-09	5.83E-09	2.93E-09	1.06E-09	3.99E-09
3734	609288	4170382	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.83E-09	5.75E-09	2.89E-09	1.05E-09	3.94E-09
3735	609297.1	4170379	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
3736	609306.3	4170376	2.27E-08	1.01E-08	3.28E-08	3.77E-09	1.77E-09	5.54E-09	2.79E-09	1.01E-09	3.79E-09
3737	609315.4	4170372	2.22E-08	9.87E-09	3.21E-08	3.69E-09	1.72E-09	5.41E-09	2.72E-09	9.85E-10	3.71E-09
3738	609324.6	4170369	2.16E-08	9.62E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.59E-10	3.61E-09
3739	609333.7	4170366	2.10E-08	9.34E-09	3.03E-08	3.49E-09	1.63E-09	5.12E-09	2.57E-09	9.31E-10	3.50E-09
3740	609342.9	4170363	2.03E-08	9.04E-09	2.94E-08	3.38E-09	1.58E-09	4.95E-09	2.49E-09	9.02E-10	3.39E-09
3741	609352	4170360	1.96E-08	8.73E-09	2.84E-08	3.26E-09	1.52E-09	4.79E-09	2.41E-09	8.71E-10	3.28E-09
3742	609361.2	4170357	1.89E-08	8.42E-09	2.73E-08	3.14E-09	1.47E-09	4.61E-09	2.32E-09	8.39E-10	3.16E-09
3743	609370.3	4170354	1.82E-08	8.09E-09	2.63E-08	3.02E-09	1.41E-09	4.43E-09	2.23E-09	8.07E-10	3.04E-09
3744	609379.5	4170351	1.75E-08	7.77E-09	2.52E-08	2.90E-09	1.36E-09	4.25E-09	2.14E-09	7.75E-10	2.91E-09
3745	609388.6	4170348	1.67E-08	7.44E-09	2.42E-08	2.78E-09	1.30E-09	4.08E-09	2.05E-09	7.42E-10	2.79E-09
3746	609397.8	4170345	1.60E-08	7.11E-09	2.31E-08	2.65E-09	1.24E-09	3.90E-09	1.96E-09	7.09E-10	2.67E-09
3747	609406.9	4170342	1.53E-08	6.79E-09	2.21E-08	2.54E-09	1.19E-09	3.72E-09	1.87E-09	6.77E-10	2.55E-09
3748	609416.1	4170338	1.46E-08	6.48E-09	2.10E-08	2.42E-09	1.13E-09	3.55E-09	1.78E-09	6.46E-10	2.43E-09

3749	609251.4	4170394	2.44E-08	1.09E-08	3.53E-08	4.06E-09	1.90E-09	5.95E-09	2.99E-09	1.08E-09	4.08E-09
3750	609243.7	4170400	2.48E-08	1.11E-08	3.59E-08	4.13E-09	1.93E-09	6.06E-09	3.05E-09	1.10E-09	4.15E-09
3751	609236.1	4170406	2.52E-08	1.12E-08	3.64E-08	4.18E-09	1.96E-09	6.14E-09	3.09E-09	1.12E-09	4.20E-09
3752	609182.5	4170448	2.46E-08	1.10E-08	3.56E-08	4.09E-09	1.91E-09	6.00E-09	3.02E-09	1.09E-09	4.11E-09
3753	609174.8	4170454	2.42E-08	1.08E-08	3.49E-08	4.01E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.03E-09
3754	609167.1	4170460	2.36E-08	1.05E-08	3.41E-08	3.92E-09	1.83E-09	5.76E-09	2.89E-09	1.05E-09	3.94E-09
3755	609159.5	4170465	2.30E-08	1.02E-08	3.32E-08	3.82E-09	1.79E-09	5.61E-09	2.82E-09	1.02E-09	3.84E-09
3756	609151.8	4170471	2.23E-08	9.93E-09	3.22E-08	3.71E-09	1.73E-09	5.44E-09	2.74E-09	9.90E-10	3.73E-09
3757	609144.2	4170477	2.16E-08	9.61E-09	3.12E-08	3.58E-09	1.68E-09	5.26E-09	2.65E-09	9.58E-10	3.60E-09
3758	609136.5	4170483	2.08E-08	9.26E-09	3.01E-08	3.46E-09	1.62E-09	5.07E-09	2.55E-09	9.24E-10	3.48E-09
3759	609254.3	4170383	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
3760	609263.3	4170380	2.30E-08	1.02E-08	3.33E-08	3.82E-09	1.79E-09	5.61E-09	2.82E-09	1.02E-09	3.84E-09
3761	609272.3	4170377	2.28E-08	1.01E-08	3.29E-08	3.79E-09	1.77E-09	5.56E-09	2.80E-09	1.01E-09	3.81E-09
3762	609281.3	4170374	2.25E-08	1.00E-08	3.25E-08	3.74E-09	1.75E-09	5.49E-09	2.76E-09	9.99E-10	3.76E-09
3763	609290.3	4170371	2.21E-08	9.86E-09	3.20E-08	3.68E-09	1.72E-09	5.40E-09	2.71E-09	9.83E-10	3.70E-09
3764	609299.3	4170368	2.17E-08	9.67E-09	3.14E-08	3.61E-09	1.69E-09	5.30E-09	2.66E-09	9.64E-10	3.63E-09
3765	609308.3	4170365	2.12E-08	9.46E-09	3.07E-08	3.53E-09	1.65E-09	5.18E-09	2.61E-09	9.43E-10	3.55E-09
3766	609317.3	4170362	2.07E-08	9.22E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.20E-10	3.46E-09
3767	609326.3	4170359	2.02E-08	8.97E-09	2.91E-08	3.35E-09	1.57E-09	4.91E-09	2.47E-09	8.95E-10	3.37E-09
3768	609335.3	4170356	1.96E-08	8.70E-09	2.83E-08	3.25E-09	1.52E-09	4.77E-09	2.40E-09	8.68E-10	3.27E-09
3769	609344.3	4170353	1.89E-08	8.42E-09	2.74E-08	3.14E-09	1.47E-09	4.61E-09	2.32E-09	8.40E-10	3.16E-09
3770	609353.3	4170350	1.83E-08	8.13E-09	2.64E-08	3.04E-09	1.42E-09	4.46E-09	2.24E-09	8.11E-10	3.05E-09
3771	609362.3	4170347	1.76E-08	7.84E-09	2.55E-08	2.93E-09	1.37E-09	4.29E-09	2.16E-09	7.82E-10	2.94E-09
3772	609371.3	4170344	1.69E-08	7.54E-09	2.45E-08	2.81E-09	1.32E-09	4.13E-09	2.08E-09	7.52E-10	2.83E-09
3773	609380.3	4170341	1.63E-08	7.24E-09	2.35E-08	2.70E-09	1.26E-09	3.97E-09	1.99E-09	7.22E-10	2.72E-09
3774	609389.3	4170338	1.56E-08	6.94E-09	2.25E-08	2.59E-09	1.21E-09	3.80E-09	1.91E-09	6.92E-10	2.60E-09
3775	609398.3	4170334	1.49E-08	6.64E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.63E-10	2.49E-09
3776	609407.3	4170331	1.43E-08	6.35E-09	2.06E-08	2.37E-09	1.11E-09	3.48E-09	1.75E-09	6.33E-10	2.38E-09
3777	609416.3	4170328	1.36E-08	6.06E-09	1.97E-08	2.26E-09	1.06E-09	3.32E-09	1.67E-09	6.05E-10	2.28E-09
3778	609245.3	4170386	2.33E-08	1.04E-08	3.36E-08	3.86E-09	1.81E-09	5.67E-09	2.85E-09	1.03E-09	3.88E-09
3779	609237.6	4170392	2.37E-08	1.05E-08	3.42E-08	3.93E-09	1.84E-09	5.77E-09	2.90E-09	1.05E-09	3.95E-09
3780	609230	4170398	2.40E-08	1.07E-08	3.46E-08	3.98E-09	1.86E-09	5.84E-09	2.94E-09	1.06E-09	4.00E-09
3781	609222.3	4170404	2.42E-08	1.08E-08	3.49E-08	4.02E-09	1.88E-09	5.89E-09	2.96E-09	1.07E-09	4.04E-09
3782	609184	4170434	2.38E-08	1.06E-08	3.44E-08	3.96E-09	1.85E-09	5.81E-09	2.92E-09	1.06E-09	3.98E-09
3783	609176.3	4170440	2.35E-08	1.05E-08	3.39E-08	3.90E-09	1.83E-09	5.73E-09	2.88E-09	1.04E-09	3.92E-09
3784	609168.7	4170446	2.31E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.83E-09	1.02E-09	3.85E-09
3785	609161	4170452	2.26E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.50E-09	2.77E-09	1.00E-09	3.77E-09
3786	609153.4	4170458	2.20E-08	9.79E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.77E-10	3.67E-09
3787	609145.7	4170463	2.14E-08	9.52E-09	3.09E-08	3.55E-09	1.66E-09	5.21E-09	2.62E-09	9.49E-10	3.57E-09
3788	609138	4170469	2.07E-08	9.22E-09	2.99E-08	3.44E-09	1.61E-09	5.05E-09	2.54E-09	9.19E-10	3.46E-09
3789	609130.4	4170475	2.00E-08	8.90E-09	2.89E-08	3.32E-09	1.55E-09	4.88E-09	2.45E-09	8.88E-10	3.34E-09
3790	609248	4170375	2.21E-08	9.84E-09	3.20E-08	3.67E-09	1.72E-09	5.39E-09	2.71E-09	9.81E-10	3.69E-09
3791	609256.9	4170372	2.20E-08	9.78E-09	3.17E-08	3.65E-09	1.71E-09	5.36E-09	2.69E-09	9.75E-10	3.67E-09
3792	609265.7	4170369	2.18E-08	9.68E-09	3.14E-08	3.61E-09	1.69E-09	5.31E-09	2.67E-09	9.66E-10	3.63E-09
3793	609274.6	4170366	2.15E-08	9.57E-09	3.11E-08	3.57E-09	1.67E-09	5.24E-09	2.64E-09	9.54E-10	3.59E-09
3794	609283.5	4170363	2.12E-08	9.42E-09	3.06E-08	3.52E-09	1.65E-09	5.16E-09	2.60E-09	9.40E-10	3.54E-09
3795	609292.4	4170360	2.08E-08	9.25E-09	3.00E-08	3.45E-09	1.62E-09	5.07E-09	2.55E-09	9.23E-10	3.47E-09
3796	609301.2	4170357	2.04E-08	9.06E-09	2.94E-08	3.38E-09	1.58E-09	4.96E-09	2.50E-09	9.04E-10	3.40E-09
3797	609310.1	4170354	1.99E-08	8.85E-09	2.87E-08	3.30E-09	1.55E-09	4.85E-09	2.44E-09	8.83E-10	3.32E-09
3798	609319	4170351	1.94E-08	8.62E-09	2.80E-08	3.22E-09	1.51E-09	4.72E-09	2.38E-09	8.60E-10	3.24E-09
3799	609327.8	4170348	1.88E-08	8.38E-09	2.72E-08	3.13E-09	1.46E-09	4.59E-09	2.31E-09	8.36E-10	3.14E-09
3800	609336.7	4170345	1.83E-08	8.12E-09	2.64E-08	3.03E-09	1.42E-09	4.45E-09	2.24E-09	8.10E-10	3.05E-09
3801	609345.6	4170342	1.77E-08	7.86E-09	2.55E-08	2.93E-09	1.37E-09	4.31E-09	2.17E-09	7.84E-10	2.95E-09
3802	609354.4	4170339	1.71E-08	7.59E-09	2.46E-08	2.83E-09	1.33E-09	4.16E-09	2.09E-09	7.57E-10	2.85E-09
3803	609363.3	4170336	1.64E-08	7.32E-09	2.38E-08	2.73E-09	1.28E-09	4.01E-09	2.02E-09	7.30E-10	2.74E-09
3804	609372.2	4170333	1.58E-08	7.04E-09	2.29E-08	2.63E-09	1.23E-09	3.86E-09	1.94E-09	7.02E-10	2.64E-09

3805	609381	4170330	1.52E-08	6.76E-09	2.20E-08	2.52E-09	1.18E-09	3.71E-09	1.86E-09	6.75E-10	2.54E-09
3806	609389.9	4170327	1.46E-08	6.49E-09	2.11E-08	2.42E-09	1.13E-09	3.55E-09	1.79E-09	6.47E-10	2.43E-09
3807	609398.8	4170324	1.40E-08	6.22E-09	2.02E-08	2.32E-09	1.09E-09	3.41E-09	1.71E-09	6.20E-10	2.33E-09
3808	609407.6	4170321	1.34E-08	5.95E-09	1.93E-08	2.22E-09	1.04E-09	3.26E-09	1.64E-09	5.93E-10	2.23E-09
3809	609416.5	4170318	1.28E-08	5.69E-09	1.85E-08	2.12E-09	9.93E-10	3.12E-09	1.57E-09	5.67E-10	2.14E-09
3810	609239.1	4170378	2.22E-08	9.87E-09	3.21E-08	3.69E-09	1.72E-09	5.41E-09	2.72E-09	9.85E-10	3.71E-09
3811	609231.5	4170384	2.25E-08	1.00E-08	3.26E-08	3.75E-09	1.75E-09	5.50E-09	2.76E-09	1.00E-09	3.77E-09
3812	609223.8	4170390	2.28E-08	1.02E-08	3.30E-08	3.79E-09	1.77E-09	5.57E-09	2.80E-09	1.01E-09	3.81E-09
3813	609216.2	4170396	2.30E-08	1.03E-08	3.33E-08	3.83E-09	1.79E-09	5.62E-09	2.82E-09	1.02E-09	3.85E-09
3814	609208.5	4170402	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
3815	609177.9	4170426	2.27E-08	1.01E-08	3.29E-08	3.78E-09	1.77E-09	5.55E-09	2.79E-09	1.01E-09	3.80E-09
3816	609170.2	4170432	2.24E-08	9.99E-09	3.24E-08	3.73E-09	1.74E-09	5.47E-09	2.75E-09	9.96E-10	3.75E-09
3817	609162.5	4170438	2.21E-08	9.81E-09	3.19E-08	3.66E-09	1.71E-09	5.38E-09	2.70E-09	9.79E-10	3.68E-09
3818	609154.9	4170444	2.16E-08	9.61E-09	3.12E-08	3.59E-09	1.68E-09	5.27E-09	2.65E-09	9.59E-10	3.61E-09
3819	609147.2	4170450	2.11E-08	9.38E-09	3.05E-08	3.50E-09	1.64E-09	5.14E-09	2.58E-09	9.36E-10	3.52E-09
3820	609139.6	4170456	2.05E-08	9.13E-09	2.96E-08	3.41E-09	1.59E-09	5.00E-09	2.51E-09	9.10E-10	3.43E-09
3821	609131.9	4170462	1.99E-08	8.85E-09	2.87E-08	3.30E-09	1.55E-09	4.85E-09	2.44E-09	8.83E-10	3.32E-09
3822	609124.2	4170467	1.92E-08	8.56E-09	2.78E-08	3.20E-09	1.49E-09	4.69E-09	2.36E-09	8.54E-10	3.21E-09
3823	609242.2	4170367	2.11E-08	9.40E-09	3.05E-08	3.51E-09	1.64E-09	5.15E-09	2.59E-09	9.37E-10	3.53E-09
3824	609251.3	4170364	2.10E-08	9.33E-09	3.03E-08	3.48E-09	1.63E-09	5.11E-09	2.57E-09	9.31E-10	3.50E-09
3825	609260.5	4170361	2.08E-08	9.24E-09	3.00E-08	3.45E-09	1.61E-09	5.06E-09	2.55E-09	9.22E-10	3.47E-09
3826	609269.7	4170358	2.05E-08	9.12E-09	2.96E-08	3.41E-09	1.59E-09	5.00E-09	2.51E-09	9.10E-10	3.42E-09
3827	609278.8	4170355	2.02E-08	8.98E-09	2.92E-08	3.35E-09	1.57E-09	4.92E-09	2.47E-09	8.96E-10	3.37E-09
3828	609288	4170352	1.98E-08	8.82E-09	2.86E-08	3.29E-09	1.54E-09	4.83E-09	2.43E-09	8.79E-10	3.31E-09
3829	609297.2	4170349	1.94E-08	8.63E-09	2.80E-08	3.22E-09	1.51E-09	4.73E-09	2.38E-09	8.61E-10	3.24E-09
3830	609306.3	4170346	1.89E-08	8.42E-09	2.73E-08	3.14E-09	1.47E-09	4.61E-09	2.32E-09	8.40E-10	3.16E-09
3831	609315.5	4170343	1.84E-08	8.20E-09	2.66E-08	3.06E-09	1.43E-09	4.49E-09	2.26E-09	8.18E-10	3.08E-09
3832	609324.7	4170339	1.79E-08	7.96E-09	2.58E-08	2.97E-09	1.39E-09	4.36E-09	2.19E-09	7.94E-10	2.99E-09
3833	609333.8	4170336	1.73E-08	7.71E-09	2.50E-08	2.88E-09	1.35E-09	4.22E-09	2.12E-09	7.69E-10	2.89E-09
3834	609343	4170333	1.67E-08	7.45E-09	2.42E-08	2.78E-09	1.30E-09	4.08E-09	2.05E-09	7.43E-10	2.80E-09
3835	609352.1	4170330	1.62E-08	7.19E-09	2.33E-08	2.68E-09	1.26E-09	3.94E-09	1.98E-09	7.17E-10	2.70E-09
3836	609361.3	4170327	1.56E-08	6.92E-09	2.25E-08	2.58E-09	1.21E-09	3.79E-09	1.91E-09	6.91E-10	2.60E-09
3837	609370.5	4170324	1.50E-08	6.66E-09	2.16E-08	2.48E-09	1.16E-09	3.65E-09	1.83E-09	6.64E-10	2.50E-09
3838	609379.6	4170321	1.44E-08	6.39E-09	2.08E-08	2.39E-09	1.12E-09	3.50E-09	1.76E-09	6.37E-10	2.40E-09
3839	609388.8	4170318	1.38E-08	6.13E-09	1.99E-08	2.29E-09	1.07E-09	3.36E-09	1.69E-09	6.11E-10	2.30E-09
3840	609398	4170315	1.32E-08	5.87E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.62E-09	5.85E-10	2.20E-09
3841	609407.1	4170312	1.26E-08	5.61E-09	1.82E-08	2.09E-09	9.79E-10	3.07E-09	1.55E-09	5.59E-10	2.10E-09
3842	609416.3	4170308	1.20E-08	5.36E-09	1.74E-08	2.00E-09	9.36E-10	2.94E-09	1.48E-09	5.35E-10	2.01E-09
3843	609233	4170370	2.12E-08	9.43E-09	3.06E-08	3.52E-09	1.65E-09	5.17E-09	2.60E-09	9.40E-10	3.54E-09
3844	609225.3	4170376	2.15E-08	9.58E-09	3.11E-08	3.58E-09	1.67E-09	5.25E-09	2.64E-09	9.55E-10	3.59E-09
3845	609217.7	4170382	2.18E-08	9.70E-09	3.15E-08	3.62E-09	1.69E-09	5.31E-09	2.67E-09	9.67E-10	3.64E-09
3846	609210	4170388	2.20E-08	9.78E-09	3.18E-08	3.65E-09	1.71E-09	5.36E-09	2.70E-09	9.76E-10	3.67E-09
3847	609202.4	4170394	2.21E-08	9.83E-09	3.19E-08	3.67E-09	1.72E-09	5.39E-09	2.71E-09	9.81E-10	3.69E-09
3848	609194.7	4170400	2.21E-08	9.85E-09	3.20E-08	3.68E-09	1.72E-09	5.40E-09	2.71E-09	9.82E-10	3.70E-09
3849	609164.1	4170424	2.15E-08	9.55E-09	3.10E-08	3.56E-09	1.67E-09	5.23E-09	2.63E-09	9.52E-10	3.58E-09
3850	609156.4	4170430	2.11E-08	9.39E-09	3.05E-08	3.51E-09	1.64E-09	5.15E-09	2.59E-09	9.37E-10	3.52E-09
3851	609148.8	4170436	2.07E-08	9.21E-09	2.99E-08	3.44E-09	1.61E-09	5.04E-09	2.54E-09	9.18E-10	3.46E-09
3852	609141.1	4170442	2.02E-08	9.00E-09	2.92E-08	3.36E-09	1.57E-09	4.93E-09	2.48E-09	8.97E-10	3.38E-09
3853	609133.4	4170448	1.97E-08	8.76E-09	2.85E-08	3.27E-09	1.53E-09	4.80E-09	2.41E-09	8.74E-10	3.29E-09
3854	609125.8	4170454	1.91E-08	8.51E-09	2.76E-08	3.18E-09	1.49E-09	4.66E-09	2.34E-09	8.49E-10	3.19E-09
3855	609118.1	4170460	1.85E-08	8.24E-09	2.68E-08	3.08E-09	1.44E-09	4.52E-09	2.27E-09	8.22E-10	3.09E-09
3856	609297.8	4170726	6.58E-08	2.93E-08	9.50E-08	1.09E-08	5.11E-09	1.60E-08	8.06E-09	2.92E-09	1.10E-08
3857	609281.1	4170698	6.70E-08	2.98E-08	9.68E-08	1.11E-08	5.21E-09	1.63E-08	8.22E-09	2.97E-09	1.12E-08
3858	609271.3	4170698	5.56E-08	2.48E-08	8.04E-08	9.24E-09	4.32E-09	1.36E-08	6.82E-09	2.47E-09	9.29E-09
3859	609277.5	4170685	6.92E-08	3.08E-08	1.00E-07	1.15E-08	5.38E-09	1.69E-08	8.49E-09	3.07E-09	1.16E-08
3860	609261.4	4170697	4.72E-08	2.10E-08	6.82E-08	7.84E-09	3.67E-09	1.15E-08	5.79E-09	2.10E-09	7.88E-09

3861	609267.9	4170684	5.80E-08	2.58E-08	8.38E-08	9.63E-09	4.51E-09	1.41E-08	7.11E-09	2.57E-09	9.68E-09
3862	609258.1	4170711	4.03E-08	1.79E-08	5.82E-08	6.69E-09	3.13E-09	9.82E-09	4.94E-09	1.79E-09	6.72E-09
3863	609251.1	4170698	4.03E-08	1.79E-08	5.82E-08	6.69E-09	3.13E-09	9.82E-09	4.94E-09	1.79E-09	6.72E-09
3864	609256.9	4170686	4.76E-08	2.12E-08	6.88E-08	7.91E-09	3.70E-09	1.16E-08	5.84E-09	2.11E-09	7.96E-09
3865	609262.7	4170674	5.62E-08	2.50E-08	8.12E-08	9.34E-09	4.37E-09	1.37E-08	6.89E-09	2.49E-09	9.38E-09
3866	609248.1	4170711	3.53E-08	1.57E-08	5.10E-08	5.86E-09	2.74E-09	8.60E-09	4.33E-09	1.57E-09	5.89E-09
3867	609241.2	4170697	3.53E-08	1.57E-08	5.11E-08	5.87E-09	2.75E-09	8.62E-09	4.33E-09	1.57E-09	5.90E-09
3868	609247.2	4170685	4.14E-08	1.84E-08	5.99E-08	6.88E-09	3.22E-09	1.01E-08	5.08E-09	1.84E-09	6.92E-09
3869	609253.2	4170673	4.86E-08	2.17E-08	7.03E-08	8.08E-09	3.78E-09	1.19E-08	5.96E-09	2.16E-09	8.12E-09
3870	609259.2	4170661	5.64E-08	2.51E-08	8.14E-08	9.36E-09	4.38E-09	1.37E-08	6.91E-09	2.50E-09	9.41E-09
3871	609238.1	4170711	3.13E-08	1.39E-08	4.52E-08	5.20E-09	2.43E-09	7.63E-09	3.84E-09	1.39E-09	5.23E-09
3872	609231.3	4170697	3.14E-08	1.40E-08	4.53E-08	5.21E-09	2.44E-09	7.65E-09	3.85E-09	1.39E-09	5.24E-09
3873	609237.5	4170685	3.65E-08	1.62E-08	5.27E-08	6.06E-09	2.83E-09	8.89E-09	4.47E-09	1.62E-09	6.09E-09
3874	609243.7	4170672	4.26E-08	1.89E-08	6.15E-08	7.07E-09	3.31E-09	1.04E-08	5.22E-09	1.89E-09	7.11E-09
3875	609249.8	4170660	4.92E-08	2.19E-08	7.11E-08	8.18E-09	3.82E-09	1.20E-08	6.03E-09	2.18E-09	8.22E-09
3876	609228.1	4170710	2.81E-08	1.25E-08	4.06E-08	4.66E-09	2.18E-09	6.84E-09	3.44E-09	1.25E-09	4.69E-09
3877	609221.4	4170697	2.81E-08	1.25E-08	4.06E-08	4.67E-09	2.19E-09	6.86E-09	3.45E-09	1.25E-09	4.70E-09
3878	609227.7	4170684	3.24E-08	1.44E-08	4.68E-08	5.38E-09	2.52E-09	7.90E-09	3.97E-09	1.44E-09	5.41E-09
3879	609234	4170671	3.76E-08	1.67E-08	5.43E-08	6.24E-09	2.92E-09	9.16E-09	4.61E-09	1.67E-09	6.28E-09
3880	609240.3	4170659	4.33E-08	1.93E-08	6.26E-08	7.20E-09	3.37E-09	1.06E-08	5.31E-09	1.92E-09	7.24E-09
3881	609246.7	4170646	4.93E-08	2.19E-08	7.12E-08	8.19E-09	3.83E-09	1.20E-08	6.04E-09	2.19E-09	8.23E-09
3882	609218.1	4170710	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.97E-09	6.19E-09	3.11E-09	1.13E-09	4.24E-09
3883	609211.4	4170696	2.54E-08	1.13E-08	3.67E-08	4.22E-09	1.98E-09	6.20E-09	3.12E-09	1.13E-09	4.24E-09
3884	609217.9	4170683	2.90E-08	1.29E-08	4.20E-08	4.82E-09	2.26E-09	7.08E-09	3.56E-09	1.29E-09	4.85E-09
3885	609224.3	4170671	3.34E-08	1.49E-08	4.83E-08	5.55E-09	2.60E-09	8.15E-09	4.10E-09	1.48E-09	5.58E-09
3886	609230.8	4170658	3.84E-08	1.71E-08	5.55E-08	6.38E-09	2.99E-09	9.37E-09	4.71E-09	1.71E-09	6.42E-09
3887	609237.2	4170645	4.37E-08	1.95E-08	6.32E-08	7.27E-09	3.40E-09	1.07E-08	5.36E-09	1.94E-09	7.30E-09
3888	609201.5	4170696	2.31E-08	1.03E-08	3.34E-08	3.84E-09	1.80E-09	5.64E-09	2.84E-09	1.03E-09	3.86E-09
3889	609208	4170683	2.62E-08	1.17E-08	3.79E-08	4.35E-09	2.04E-09	6.39E-09	3.21E-09	1.16E-09	4.38E-09
3890	609214.6	4170670	3.00E-08	1.33E-08	4.33E-08	4.98E-09	2.33E-09	7.30E-09	3.67E-09	1.33E-09	5.00E-09
3891	609221.1	4170657	3.43E-08	1.53E-08	4.96E-08	5.70E-09	2.66E-09	8.36E-09	4.20E-09	1.52E-09	5.73E-09
3892	609227.6	4170644	3.90E-08	1.74E-08	5.64E-08	6.48E-09	3.03E-09	9.51E-09	4.78E-09	1.73E-09	6.51E-09
3893	609234.2	4170631	4.37E-08	1.95E-08	6.32E-08	7.27E-09	3.40E-09	1.07E-08	5.36E-09	1.94E-09	7.30E-09
3894	609191.3	4170696	2.11E-08	9.39E-09	3.05E-08	3.50E-09	1.64E-09	5.14E-09	2.59E-09	9.36E-10	3.52E-09
3895	609197.5	4170684	2.35E-08	1.05E-08	3.40E-08	3.91E-09	1.83E-09	5.74E-09	2.88E-09	1.04E-09	3.93E-09
3896	609203.7	4170672	2.65E-08	1.18E-08	3.82E-08	4.39E-09	2.06E-09	6.45E-09	3.24E-09	1.17E-09	4.42E-09
3897	609209.9	4170659	2.99E-08	1.33E-08	4.32E-08	4.96E-09	2.32E-09	7.29E-09	3.66E-09	1.33E-09	4.99E-09
3898	609216	4170647	3.37E-08	1.50E-08	4.87E-08	5.60E-09	2.62E-09	8.21E-09	4.13E-09	1.50E-09	5.63E-09
3899	609222.2	4170634	3.77E-08	1.68E-08	5.44E-08	6.26E-09	2.93E-09	9.18E-09	4.62E-09	1.67E-09	6.29E-09
3900	609228.4	4170622	4.16E-08	1.85E-08	6.01E-08	6.91E-09	3.23E-09	1.01E-08	5.10E-09	1.85E-09	6.95E-09
3901	609187.8	4170724	1.85E-08	8.23E-09	2.67E-08	3.07E-09	1.44E-09	4.51E-09	2.27E-09	8.21E-10	3.09E-09
3902	609181.3	4170696	1.94E-08	8.64E-09	2.81E-08	3.22E-09	1.51E-09	4.73E-09	2.38E-09	8.62E-10	3.24E-09
3903	609187.6	4170683	2.15E-08	9.59E-09	3.11E-08	3.58E-09	1.67E-09	5.25E-09	2.64E-09	9.56E-10	3.60E-09
3904	609193.9	4170671	2.41E-08	1.07E-08	3.48E-08	4.00E-09	1.87E-09	5.88E-09	2.96E-09	1.07E-09	4.03E-09
3905	609200.2	4170658	2.71E-08	1.21E-08	3.92E-08	4.50E-09	2.11E-09	6.61E-09	3.32E-09	1.20E-09	4.52E-09
3906	609206.5	4170646	3.04E-08	1.36E-08	4.40E-08	5.06E-09	2.37E-09	7.42E-09	3.73E-09	1.35E-09	5.08E-09
3907	609212.8	4170633	3.40E-08	1.51E-08	4.92E-08	5.65E-09	2.64E-09	8.30E-09	4.17E-09	1.51E-09	5.68E-09
3908	609219	4170621	3.76E-08	1.67E-08	5.44E-08	6.25E-09	2.92E-09	9.17E-09	4.61E-09	1.67E-09	6.28E-09
3909	609177.8	4170724	1.72E-08	7.64E-09	2.48E-08	2.85E-09	1.33E-09	4.19E-09	2.10E-09	7.62E-10	2.87E-09
3910	609177.8	4170683	1.98E-08	8.83E-09	2.87E-08	3.29E-09	1.54E-09	4.83E-09	2.43E-09	8.80E-10	3.31E-09
3911	609184.1	4170670	2.21E-08	9.83E-09	3.19E-08	3.67E-09	1.72E-09	5.38E-09	2.71E-09	9.80E-10	3.69E-09
3912	609190.5	4170658	2.47E-08	1.10E-08	3.57E-08	4.10E-09	1.92E-09	6.03E-09	3.03E-09	1.10E-09	4.13E-09
3913	609196.9	4170645	2.77E-08	1.23E-08	4.00E-08	4.60E-09	2.15E-09	6.75E-09	3.39E-09	1.23E-09	4.62E-09
3914	609203.2	4170632	3.09E-08	1.37E-08	4.46E-08	5.13E-09	2.40E-09	7.53E-09	3.78E-09	1.37E-09	5.15E-09
3915	609209.6	4170619	3.41E-08	1.52E-08	4.93E-08	5.67E-09	2.65E-09	8.33E-09	4.19E-09	1.52E-09	5.70E-09
3916	609216	4170607	3.73E-08	1.66E-08	5.39E-08	6.20E-09	2.90E-09	9.10E-09	4.58E-09	1.66E-09	6.23E-09

3917	609167.8	4170724	1.60E-08	7.11E-09	2.31E-08	2.65E-09	1.24E-09	3.90E-09	1.96E-09	7.09E-10	2.67E-09
3918	609167.9	4170683	1.83E-08	8.16E-09	2.65E-08	3.04E-09	1.42E-09	4.47E-09	2.25E-09	8.13E-10	3.06E-09
3919	609174.3	4170670	2.03E-08	9.04E-09	2.94E-08	3.37E-09	1.58E-09	4.95E-09	2.49E-09	9.02E-10	3.39E-09
3920	609180.8	4170657	2.26E-08	1.01E-08	3.27E-08	3.76E-09	1.76E-09	5.52E-09	2.78E-09	1.01E-09	3.78E-09
3921	609187.2	4170644	2.53E-08	1.13E-08	3.65E-08	4.20E-09	1.96E-09	6.16E-09	3.10E-09	1.12E-09	4.22E-09
3922	609193.7	4170631	2.81E-08	1.25E-08	4.07E-08	4.67E-09	2.19E-09	6.86E-09	3.45E-09	1.25E-09	4.70E-09
3923	609200.1	4170618	3.11E-08	1.38E-08	4.50E-08	5.17E-09	2.42E-09	7.58E-09	3.81E-09	1.38E-09	5.19E-09
3924	609206.5	4170605	3.40E-08	1.52E-08	4.92E-08	5.65E-09	2.65E-09	8.30E-09	4.17E-09	1.51E-09	5.68E-09
3925	609157.8	4170724	1.49E-08	6.64E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.62E-10	2.49E-09
3926	609158	4170682	1.70E-08	7.57E-09	2.46E-08	2.82E-09	1.32E-09	4.14E-09	2.08E-09	7.55E-10	2.84E-09
3927	609164.5	4170669	1.88E-08	8.35E-09	2.71E-08	3.12E-09	1.46E-09	4.58E-09	2.30E-09	8.33E-10	3.13E-09
3928	609171	4170656	2.08E-08	9.27E-09	3.01E-08	3.46E-09	1.62E-09	5.08E-09	2.55E-09	9.25E-10	3.48E-09
3929	609177.5	4170643	2.32E-08	1.03E-08	3.35E-08	3.85E-09	1.80E-09	5.65E-09	2.84E-09	1.03E-09	3.87E-09
3930	609184	4170630	2.58E-08	1.15E-08	3.72E-08	4.28E-09	2.00E-09	6.28E-09	3.16E-09	1.14E-09	4.30E-09
3931	609190.5	4170617	2.85E-08	1.27E-08	4.11E-08	4.73E-09	2.21E-09	6.94E-09	3.49E-09	1.26E-09	4.75E-09
3932	609197.1	4170604	3.12E-08	1.39E-08	4.50E-08	5.18E-09	2.42E-09	7.60E-09	3.82E-09	1.38E-09	5.20E-09
3933	609148.1	4170709	1.46E-08	6.48E-09	2.10E-08	2.42E-09	1.13E-09	3.55E-09	1.78E-09	6.46E-10	2.43E-09
3934	609147.8	4170724	1.40E-08	6.22E-09	2.02E-08	2.32E-09	1.09E-09	3.41E-09	1.71E-09	6.20E-10	2.33E-09
3935	609178.9	4170620	2.53E-08	1.13E-08	3.66E-08	4.21E-09	1.97E-09	6.18E-09	3.11E-09	1.13E-09	4.23E-09
3936	609185.2	4170608	2.77E-08	1.23E-08	4.01E-08	4.60E-09	2.15E-09	6.76E-09	3.40E-09	1.23E-09	4.63E-09
3937	609137.8	4170724	1.31E-08	5.84E-09	1.90E-08	2.18E-09	1.02E-09	3.20E-09	1.61E-09	5.83E-10	2.19E-09
3938	609121.4	4170695	1.27E-08	5.67E-09	1.84E-08	2.11E-09	9.89E-10	3.10E-09	1.56E-09	5.65E-10	2.13E-09
3939	609134.2	4170669	1.50E-08	6.66E-09	2.16E-08	2.49E-09	1.16E-09	3.65E-09	1.83E-09	6.64E-10	2.50E-09
3940	609185.3	4170567	2.94E-08	1.31E-08	4.24E-08	4.88E-09	2.28E-09	7.16E-09	3.60E-09	1.30E-09	4.90E-09
3941	609118.1	4170709	1.21E-08	5.37E-09	1.74E-08	2.00E-09	9.37E-10	2.94E-09	1.48E-09	5.35E-10	2.01E-09
3942	609111.4	4170695	1.20E-08	5.34E-09	1.73E-08	1.99E-09	9.31E-10	2.92E-09	1.47E-09	5.32E-10	2.00E-09
3943	609124.3	4170669	1.40E-08	6.24E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.22E-10	2.34E-09
3944	609130.8	4170656	1.53E-08	6.80E-09	2.21E-08	2.54E-09	1.19E-09	3.73E-09	1.87E-09	6.79E-10	2.55E-09
3945	609137.2	4170643	1.67E-08	7.44E-09	2.42E-08	2.78E-09	1.30E-09	4.08E-09	2.05E-09	7.42E-10	2.79E-09
3946	609143.7	4170630	1.83E-08	8.15E-09	2.65E-08	3.04E-09	1.42E-09	4.47E-09	2.25E-09	8.13E-10	3.06E-09
3947	609150.1	4170617	2.01E-08	8.92E-09	2.90E-08	3.33E-09	1.56E-09	4.89E-09	2.46E-09	8.90E-10	3.35E-09
3948	609156.6	4170604	2.19E-08	9.74E-09	3.16E-08	3.63E-09	1.70E-09	5.33E-09	2.68E-09	9.71E-10	3.65E-09
3949	609163	4170592	2.37E-08	1.06E-08	3.43E-08	3.94E-09	1.84E-09	5.79E-09	2.91E-09	1.05E-09	3.96E-09
3950	609108.1	4170708	1.14E-08	5.06E-09	1.64E-08	1.89E-09	8.84E-10	2.77E-09	1.40E-09	5.05E-10	1.90E-09
3951	609107.8	4170723	1.10E-08	4.91E-09	1.59E-08	1.83E-09	8.57E-10	2.69E-09	1.35E-09	4.90E-10	1.84E-09
3952	609101.5	4170694	1.13E-08	5.04E-09	1.64E-08	1.88E-09	8.80E-10	2.76E-09	1.39E-09	5.03E-10	1.89E-09
3953	609114.5	4170668	1.32E-08	5.86E-09	1.90E-08	2.19E-09	1.02E-09	3.21E-09	1.61E-09	5.84E-10	2.20E-09
3954	609120.9	4170655	1.43E-08	6.37E-09	2.07E-08	2.38E-09	1.11E-09	3.49E-09	1.76E-09	6.35E-10	2.39E-09
3955	609127.4	4170642	1.56E-08	6.95E-09	2.26E-08	2.60E-09	1.21E-09	3.81E-09	1.92E-09	6.93E-10	2.61E-09
3956	609133.9	4170629	1.71E-08	7.60E-09	2.47E-08	2.84E-09	1.33E-09	4.16E-09	2.09E-09	7.58E-10	2.85E-09
3957	609140.4	4170616	1.86E-08	8.30E-09	2.69E-08	3.10E-09	1.45E-09	4.55E-09	2.29E-09	8.28E-10	3.11E-09
3958	609146.9	4170603	2.03E-08	9.04E-09	2.94E-08	3.38E-09	1.58E-09	4.95E-09	2.49E-09	9.02E-10	3.39E-09
3959	609153.4	4170591	2.20E-08	9.81E-09	3.18E-08	3.66E-09	1.71E-09	5.37E-09	2.70E-09	9.78E-10	3.68E-09
3960	609098.1	4170708	1.08E-08	4.79E-09	1.56E-08	1.79E-09	8.37E-10	2.63E-09	1.32E-09	4.78E-10	1.80E-09
3961	609097.8	4170723	1.05E-08	4.65E-09	1.51E-08	1.74E-09	8.12E-10	2.55E-09	1.28E-09	4.64E-10	1.75E-09
3962	609091.5	4170694	1.07E-08	4.77E-09	1.55E-08	1.78E-09	8.33E-10	2.61E-09	1.31E-09	4.76E-10	1.79E-09
3963	609111.1	4170655	1.34E-08	5.98E-09	1.94E-08	2.23E-09	1.04E-09	3.28E-09	1.65E-09	5.97E-10	2.24E-09
3964	609117.7	4170642	1.46E-08	6.51E-09	2.11E-08	2.43E-09	1.14E-09	3.57E-09	1.79E-09	6.50E-10	2.44E-09
3965	609124.2	4170629	1.59E-08	7.10E-09	2.30E-08	2.65E-09	1.24E-09	3.89E-09	1.95E-09	7.08E-10	2.66E-09
3966	609130.8	4170616	1.74E-08	7.73E-09	2.51E-08	2.89E-09	1.35E-09	4.24E-09	2.13E-09	7.71E-10	2.90E-09
3967	609137.3	4170603	1.89E-08	8.42E-09	2.73E-08	3.14E-09	1.47E-09	4.61E-09	2.32E-09	8.40E-10	3.16E-09
3968	609143.8	4170590	2.05E-08	9.13E-09	2.96E-08	3.41E-09	1.59E-09	5.00E-09	2.51E-09	9.10E-10	3.42E-09
3969	609088.1	4170708	1.02E-08	4.55E-09	1.48E-08	1.70E-09	7.94E-10	2.49E-09	1.25E-09	4.53E-10	1.71E-09
3970	609087.8	4170723	9.92E-09	4.42E-09	1.43E-08	1.65E-09	7.71E-10	2.42E-09	1.22E-09	4.41E-10	1.66E-09
3971	609081.4	4170694	1.02E-08	4.52E-09	1.47E-08	1.69E-09	7.89E-10	2.47E-09	1.24E-09	4.51E-10	1.70E-09
3972	609087.7	4170681	1.08E-08	4.82E-09	1.56E-08	1.80E-09	8.41E-10	2.64E-09	1.33E-09	4.81E-10	1.81E-09

3973	609100.4	4170656	1.25E-08	5.57E-09	1.81E-08	2.08E-09	9.73E-10	3.05E-09	1.54E-09	5.56E-10	2.09E-09
3974	609106.8	4170643	1.36E-08	6.03E-09	1.96E-08	2.25E-09	1.05E-09	3.30E-09	1.66E-09	6.02E-10	2.26E-09
3975	609113.2	4170631	1.47E-08	6.54E-09	2.12E-08	2.44E-09	1.14E-09	3.58E-09	1.80E-09	6.52E-10	2.45E-09
3976	609119.5	4170618	1.59E-08	7.09E-09	2.30E-08	2.64E-09	1.24E-09	3.88E-09	1.95E-09	7.07E-10	2.66E-09
3977	609125.9	4170605	1.73E-08	7.69E-09	2.50E-08	2.87E-09	1.34E-09	4.21E-09	2.12E-09	7.66E-10	2.88E-09
3978	609132.2	4170593	1.87E-08	8.31E-09	2.70E-08	3.10E-09	1.45E-09	4.55E-09	2.29E-09	8.29E-10	3.12E-09
3979	609138.6	4170580	2.01E-08	8.95E-09	2.91E-08	3.34E-09	1.56E-09	4.90E-09	2.47E-09	8.92E-10	3.36E-09
3980	609151.3	4170555	2.29E-08	1.02E-08	3.30E-08	3.80E-09	1.78E-09	5.58E-09	2.80E-09	1.02E-09	3.82E-09
3981	609157.6	4170542	2.41E-08	1.07E-08	3.48E-08	4.01E-09	1.87E-09	5.88E-09	2.96E-09	1.07E-09	4.03E-09
3982	609078.1	4170708	9.70E-09	4.32E-09	1.40E-08	1.61E-09	7.54E-10	2.37E-09	1.19E-09	4.31E-10	1.62E-09
3983	609077.8	4170723	9.44E-09	4.20E-09	1.36E-08	1.57E-09	7.33E-10	2.30E-09	1.16E-09	4.19E-10	1.58E-09
3984	609071.4	4170694	9.65E-09	4.29E-09	1.39E-08	1.60E-09	7.49E-10	2.35E-09	1.18E-09	4.28E-10	1.61E-09
3985	609077.8	4170681	1.03E-08	4.57E-09	1.48E-08	1.71E-09	7.98E-10	2.50E-09	1.26E-09	4.56E-10	1.71E-09
3986	609090.6	4170656	1.18E-08	5.26E-09	1.71E-08	1.96E-09	9.18E-10	2.88E-09	1.45E-09	5.25E-10	1.97E-09
3987	609097	4170643	1.28E-08	5.68E-09	1.84E-08	2.12E-09	9.91E-10	3.11E-09	1.56E-09	5.66E-10	2.13E-09
3988	609103.4	4170630	1.38E-08	6.14E-09	1.99E-08	2.29E-09	1.07E-09	3.36E-09	1.69E-09	6.12E-10	2.30E-09
3989	609109.8	4170617	1.49E-08	6.64E-09	2.16E-08	2.48E-09	1.16E-09	3.64E-09	1.83E-09	6.63E-10	2.49E-09
3990	609116.2	4170604	1.62E-08	7.20E-09	2.34E-08	2.69E-09	1.26E-09	3.94E-09	1.98E-09	7.18E-10	2.70E-09
3991	609122.6	4170592	1.75E-08	7.78E-09	2.52E-08	2.90E-09	1.36E-09	4.26E-09	2.14E-09	7.76E-10	2.92E-09
3992	609129	4170579	1.88E-08	8.37E-09	2.72E-08	3.12E-09	1.46E-09	4.58E-09	2.31E-09	8.35E-10	3.14E-09
3993	609148.2	4170540	2.26E-08	1.01E-08	3.27E-08	3.75E-09	1.76E-09	5.51E-09	2.77E-09	1.00E-09	3.77E-09
3994	609154.6	4170528	2.37E-08	1.05E-08	3.42E-08	3.93E-09	1.84E-09	5.77E-09	2.90E-09	1.05E-09	3.95E-09
3995	609068.1	4170708	9.23E-09	4.11E-09	1.33E-08	1.53E-09	7.17E-10	2.25E-09	1.13E-09	4.10E-10	1.54E-09
3996	609067.8	4170722	8.99E-09	4.00E-09	1.30E-08	1.49E-09	6.99E-10	2.19E-09	1.10E-09	3.99E-10	1.50E-09
3997	609061.4	4170694	9.18E-09	4.09E-09	1.33E-08	1.52E-09	7.13E-10	2.24E-09	1.13E-09	4.07E-10	1.53E-09
3998	609067.9	4170681	9.76E-09	4.34E-09	1.41E-08	1.62E-09	7.58E-10	2.38E-09	1.20E-09	4.33E-10	1.63E-09
3999	609080.8	4170655	1.12E-08	4.97E-09	1.62E-08	1.86E-09	8.68E-10	2.73E-09	1.37E-09	4.96E-10	1.87E-09
4000	609087.2	4170642	1.20E-08	5.36E-09	1.74E-08	2.00E-09	9.35E-10	2.93E-09	1.48E-09	5.34E-10	2.01E-09
4001	609093.7	4170629	1.30E-08	5.78E-09	1.88E-08	2.16E-09	1.01E-09	3.17E-09	1.59E-09	5.77E-10	2.17E-09
4002	609100.1	4170616	1.40E-08	6.25E-09	2.03E-08	2.33E-09	1.09E-09	3.42E-09	1.72E-09	6.23E-10	2.34E-09
4003	609106.6	4170604	1.52E-08	6.75E-09	2.19E-08	2.52E-09	1.18E-09	3.70E-09	1.86E-09	6.73E-10	2.53E-09
4004	609113	4170591	1.64E-08	7.29E-09	2.37E-08	2.72E-09	1.27E-09	3.99E-09	2.01E-09	7.27E-10	2.74E-09
4005	609119.4	4170578	1.76E-08	7.84E-09	2.55E-08	2.93E-09	1.37E-09	4.29E-09	2.16E-09	7.82E-10	2.94E-09
4006	609138.8	4170539	2.12E-08	9.44E-09	3.06E-08	3.52E-09	1.65E-09	5.17E-09	2.60E-09	9.41E-10	3.54E-09
4007	609145.2	4170526	2.23E-08	9.90E-09	3.22E-08	3.70E-09	1.73E-09	5.43E-09	2.73E-09	9.88E-10	3.72E-09
4008	609058.1	4170708	8.80E-09	3.92E-09	1.27E-08	1.46E-09	6.84E-10	2.15E-09	1.08E-09	3.91E-10	1.47E-09
4009	609057.8	4170722	8.58E-09	3.82E-09	1.24E-08	1.43E-09	6.67E-10	2.09E-09	1.05E-09	3.81E-10	1.43E-09
4010	609051.5	4170694	8.75E-09	3.89E-09	1.26E-08	1.45E-09	6.80E-10	2.13E-09	1.07E-09	3.88E-10	1.46E-09
4011	609057.9	4170681	9.28E-09	4.13E-09	1.34E-08	1.54E-09	7.21E-10	2.26E-09	1.14E-09	4.12E-10	1.55E-09
4012	609077.4	4170642	1.14E-08	5.07E-09	1.64E-08	1.89E-09	8.84E-10	2.78E-09	1.40E-09	5.05E-10	1.90E-09
4013	609083.9	4170629	1.23E-08	5.46E-09	1.77E-08	2.04E-09	9.53E-10	2.99E-09	1.50E-09	5.44E-10	2.05E-09
4014	609090.4	4170616	1.32E-08	5.89E-09	1.91E-08	2.20E-09	1.03E-09	3.22E-09	1.62E-09	5.87E-10	2.21E-09
4015	609096.9	4170603	1.43E-08	6.35E-09	2.06E-08	2.37E-09	1.11E-09	3.48E-09	1.75E-09	6.33E-10	2.38E-09
4016	609103.4	4170590	1.54E-08	6.84E-09	2.22E-08	2.55E-09	1.20E-09	3.75E-09	1.89E-09	6.83E-10	2.57E-09
4017	609109.8	4170577	1.65E-08	7.36E-09	2.39E-08	2.75E-09	1.28E-09	4.03E-09	2.03E-09	7.34E-10	2.76E-09
4018	609129.3	4170538	1.99E-08	8.87E-09	2.88E-08	3.31E-09	1.55E-09	4.86E-09	2.44E-09	8.84E-10	3.33E-09
4019	609135.8	4170525	2.09E-08	9.32E-09	3.03E-08	3.48E-09	1.63E-09	5.10E-09	2.57E-09	9.29E-10	3.50E-09
4020	609142.3	4170512	2.18E-08	9.72E-09	3.15E-08	3.63E-09	1.70E-09	5.32E-09	2.68E-09	9.69E-10	3.65E-09
4021	609048.1	4170707	8.40E-09	3.74E-09	1.21E-08	1.40E-09	6.53E-10	2.05E-09	1.03E-09	3.73E-10	1.40E-09
4022	609047.8	4170722	8.20E-09	3.65E-09	1.18E-08	1.36E-09	6.37E-10	2.00E-09	1.00E-09	3.64E-10	1.37E-09
4023	609041.5	4170693	8.35E-09	3.72E-09	1.21E-08	1.39E-09	6.49E-10	2.04E-09	1.02E-09	3.71E-10	1.40E-09
4024	609048	4170680	8.85E-09	3.94E-09	1.28E-08	1.47E-09	6.88E-10	2.16E-09	1.08E-09	3.93E-10	1.48E-09
4025	609054.5	4170667	9.41E-09	4.19E-09	1.36E-08	1.56E-09	7.32E-10	2.30E-09	1.15E-09	4.18E-10	1.57E-09
4026	609067.6	4170641	1.08E-08	4.80E-09	1.56E-08	1.79E-09	8.38E-10	2.63E-09	1.32E-09	4.79E-10	1.80E-09
4027	609074.1	4170628	1.16E-08	5.16E-09	1.68E-08	1.93E-09	9.01E-10	2.83E-09	1.42E-09	5.15E-10	1.94E-09
4028	609080.6	4170615	1.25E-08	5.56E-09	1.80E-08	2.07E-09	9.70E-10	3.04E-09	1.53E-09	5.54E-10	2.08E-09

4029	609087.2	4170602	1.34E-08	5.98E-09	1.94E-08	2.23E-09	1.04E-09	3.28E-09	1.65E-09	5.97E-10	2.25E-09
4030	609093.7	4170589	1.45E-08	6.44E-09	2.09E-08	2.40E-09	1.12E-09	3.53E-09	1.77E-09	6.42E-10	2.42E-09
4031	609100.2	4170576	1.55E-08	6.91E-09	2.24E-08	2.58E-09	1.21E-09	3.79E-09	1.90E-09	6.89E-10	2.59E-09
4032	609119.8	4170537	1.87E-08	8.34E-09	2.71E-08	3.11E-09	1.46E-09	4.57E-09	2.30E-09	8.32E-10	3.13E-09
4033	609126.3	4170524	1.97E-08	8.77E-09	2.85E-08	3.27E-09	1.53E-09	4.81E-09	2.42E-09	8.75E-10	3.29E-09
4034	609132.9	4170511	2.06E-08	9.17E-09	2.98E-08	3.42E-09	1.60E-09	5.02E-09	2.53E-09	9.14E-10	3.44E-09
4035	609038.1	4170707	8.03E-09	3.57E-09	1.16E-08	1.33E-09	6.24E-10	1.96E-09	9.84E-10	3.56E-10	1.34E-09
4036	609037.8	4170722	7.84E-09	3.49E-09	1.13E-08	1.30E-09	6.09E-10	1.91E-09	9.61E-10	3.48E-10	1.31E-09
4037	609031.5	4170693	7.99E-09	3.55E-09	1.15E-08	1.33E-09	6.21E-10	1.95E-09	9.79E-10	3.55E-10	1.33E-09
4038	609038.1	4170680	8.45E-09	3.76E-09	1.22E-08	1.40E-09	6.56E-10	2.06E-09	1.04E-09	3.75E-10	1.41E-09
4039	609044.6	4170667	8.97E-09	3.99E-09	1.30E-08	1.49E-09	6.97E-10	2.19E-09	1.10E-09	3.98E-10	1.50E-09
4040	609057.8	4170641	1.02E-08	4.56E-09	1.48E-08	1.70E-09	7.96E-10	2.50E-09	1.26E-09	4.55E-10	1.71E-09
4041	609064.3	4170628	1.10E-08	4.89E-09	1.59E-08	1.83E-09	8.54E-10	2.68E-09	1.35E-09	4.88E-10	1.83E-09
4042	609070.9	4170614	1.18E-08	5.25E-09	1.71E-08	1.96E-09	9.17E-10	2.88E-09	1.45E-09	5.24E-10	1.97E-09
4043	609077.4	4170601	1.27E-08	5.65E-09	1.83E-08	2.11E-09	9.86E-10	3.09E-09	1.56E-09	5.63E-10	2.12E-09
4044	609084	4170588	1.36E-08	6.07E-09	1.97E-08	2.26E-09	1.06E-09	3.32E-09	1.67E-09	6.05E-10	2.28E-09
4045	609090.6	4170575	1.46E-08	6.51E-09	2.11E-08	2.43E-09	1.14E-09	3.57E-09	1.79E-09	6.49E-10	2.44E-09
4046	609097.1	4170562	1.56E-08	6.96E-09	2.26E-08	2.60E-09	1.22E-09	3.81E-09	1.92E-09	6.94E-10	2.61E-09
4047	609110.3	4170536	1.76E-08	7.85E-09	2.55E-08	2.93E-09	1.37E-09	4.30E-09	2.16E-09	7.83E-10	2.95E-09
4048	609116.8	4170523	1.86E-08	8.27E-09	2.69E-08	3.09E-09	1.44E-09	4.53E-09	2.28E-09	8.25E-10	3.10E-09
4049	609123.4	4170510	1.94E-08	8.65E-09	2.81E-08	3.23E-09	1.51E-09	4.74E-09	2.38E-09	8.63E-10	3.25E-09
4050	609129.9	4170496	2.02E-08	8.99E-09	2.92E-08	3.35E-09	1.57E-09	4.92E-09	2.48E-09	8.96E-10	3.37E-09
4051	609028.1	4170707	7.68E-09	3.42E-09	1.11E-08	1.28E-09	5.97E-10	1.87E-09	9.42E-10	3.41E-10	1.28E-09
4052	609027.8	4170722	7.51E-09	3.34E-09	1.09E-08	1.25E-09	5.84E-10	1.83E-09	9.21E-10	3.33E-10	1.25E-09
4053	609047.1	4170642	9.65E-09	4.30E-09	1.39E-08	1.60E-09	7.50E-10	2.35E-09	1.18E-09	4.28E-10	1.61E-09
4054	609053.5	4170629	1.03E-08	4.59E-09	1.49E-08	1.71E-09	8.02E-10	2.51E-09	1.26E-09	4.58E-10	1.72E-09
4055	609059.9	4170616	1.10E-08	4.91E-09	1.60E-08	1.83E-09	8.58E-10	2.69E-09	1.35E-09	4.90E-10	1.84E-09
4056	609066.3	4170603	1.18E-08	5.26E-09	1.71E-08	1.96E-09	9.19E-10	2.88E-09	1.45E-09	5.25E-10	1.97E-09
4057	609072.7	4170591	1.27E-08	5.64E-09	1.83E-08	2.10E-09	9.84E-10	3.09E-09	1.55E-09	5.62E-10	2.11E-09
4058	609079.1	4170578	1.35E-08	6.03E-09	1.96E-08	2.25E-09	1.05E-09	3.30E-09	1.66E-09	6.01E-10	2.26E-09
4059	609085.5	4170565	1.45E-08	6.43E-09	2.09E-08	2.40E-09	1.12E-09	3.52E-09	1.77E-09	6.41E-10	2.41E-09
4060	609104.7	4170527	1.72E-08	7.65E-09	2.49E-08	2.86E-09	1.34E-09	4.19E-09	2.11E-09	7.63E-10	2.87E-09
4061	609111.2	4170514	1.80E-08	8.03E-09	2.61E-08	3.00E-09	1.40E-09	4.40E-09	2.21E-09	8.00E-10	3.01E-09
4062	609117.6	4170501	1.88E-08	8.36E-09	2.72E-08	3.12E-09	1.46E-09	4.58E-09	2.30E-09	8.34E-10	3.14E-09
4063	609124	4170488	1.95E-08	8.66E-09	2.81E-08	3.23E-09	1.51E-09	4.74E-09	2.39E-09	8.64E-10	3.25E-09
4064	609017.8	4170722	7.20E-09	3.21E-09	1.04E-08	1.20E-09	5.60E-10	1.76E-09	8.83E-10	3.20E-10	1.20E-09
4065	609069.5	4170577	1.28E-08	5.70E-09	1.85E-08	2.13E-09	9.95E-10	3.12E-09	1.57E-09	5.68E-10	2.14E-09
4066	609075.9	4170564	1.37E-08	6.08E-09	1.97E-08	2.27E-09	1.06E-09	3.33E-09	1.67E-09	6.06E-10	2.28E-09
4067	609095.2	4170525	1.63E-08	7.23E-09	2.35E-08	2.70E-09	1.26E-09	3.96E-09	1.99E-09	7.21E-10	2.71E-09
4068	609101.7	4170513	1.71E-08	7.59E-09	2.46E-08	2.83E-09	1.32E-09	4.16E-09	2.09E-09	7.57E-10	2.85E-09
4069	609108.1	4170500	1.78E-08	7.92E-09	2.57E-08	2.96E-09	1.38E-09	4.34E-09	2.18E-09	7.90E-10	2.97E-09
4070	609114.6	4170487	1.84E-08	8.21E-09	2.67E-08	3.06E-09	1.43E-09	4.50E-09	2.26E-09	8.19E-10	3.08E-09
4071	609001.5	4170693	7.03E-09	3.13E-09	1.02E-08	1.17E-09	5.46E-10	1.71E-09	8.62E-10	3.12E-10	1.17E-09
4072	609007.9	4170680	7.39E-09	3.29E-09	1.07E-08	1.23E-09	5.74E-10	1.80E-09	9.06E-10	3.28E-10	1.23E-09
4073	609014.4	4170667	7.80E-09	3.47E-09	1.13E-08	1.30E-09	6.06E-10	1.90E-09	9.56E-10	3.46E-10	1.30E-09
4074	609085.7	4170524	1.54E-08	6.84E-09	2.22E-08	2.55E-09	1.19E-09	3.75E-09	1.88E-09	6.82E-10	2.57E-09
4075	609092.2	4170511	1.61E-08	7.18E-09	2.33E-08	2.68E-09	1.25E-09	3.94E-09	1.98E-09	7.16E-10	2.70E-09
4076	609098.7	4170498	1.69E-08	7.50E-09	2.44E-08	2.80E-09	1.31E-09	4.11E-09	2.07E-09	7.48E-10	2.82E-09
4077	609105.2	4170485	1.75E-08	7.79E-09	2.53E-08	2.91E-09	1.36E-09	4.27E-09	2.15E-09	7.77E-10	2.92E-09
4078	609111.6	4170473	1.81E-08	8.04E-09	2.61E-08	3.00E-09	1.40E-09	4.40E-09	2.21E-09	8.02E-10	3.02E-09
4079	608998.1	4170706	6.78E-09	3.02E-09	9.80E-09	1.13E-09	5.27E-10	1.65E-09	8.32E-10	3.01E-10	1.13E-09

			T2		T2L3		T4f	
			2820	609500.26				
			2.59E-02	1.15E-02	4.31E-03	2.02E-03	3.18E-03	1.15E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	609307.74	4170736.51	5.23E-03	2.33E-03	8.69E-04	4.07E-04	6.42E-04	2.32E-04
2	609317.59	4170736.55	6.41E-03	2.85E-03	1.07E-03	4.98E-04	7.86E-04	2.85E-04
3	609327.43	4170736.6	8.27E-03	3.68E-03	1.37E-03	6.43E-04	1.01E-03	3.67E-04
4	609337.27	4170736.64	1.12E-02	4.97E-03	1.85E-03	8.67E-04	1.37E-03	4.95E-04
5	609347.12	4170736.69	1.50E-02	6.68E-03	2.49E-03	1.17E-03	1.84E-03	6.66E-04
6	609356.96	4170736.73	1.89E-02	8.41E-03	3.14E-03	1.47E-03	2.32E-03	8.38E-04
7	609366.8	4170736.78	2.21E-02	9.84E-03	3.67E-03	1.72E-03	2.71E-03	9.82E-04
8	609376.65	4170736.82	2.47E-02	1.10E-02	4.11E-03	1.92E-03	3.03E-03	1.10E-03
9	609386.49	4170736.87	2.70E-02	1.20E-02	4.48E-03	2.10E-03	3.31E-03	1.20E-03
10	609396.33	4170736.91	2.91E-02	1.30E-02	4.83E-03	2.26E-03	3.57E-03	1.29E-03
11	609406.18	4170736.96	3.09E-02	1.38E-02	5.14E-03	2.40E-03	3.79E-03	1.37E-03
12	609416.02	4170737	3.25E-02	1.45E-02	5.40E-03	2.53E-03	3.99E-03	1.44E-03
13	609425.86	4170737.05	3.37E-02	1.50E-02	5.60E-03	2.62E-03	4.13E-03	1.50E-03
14	609435.71	4170737.09	3.48E-02	1.55E-02	5.78E-03	2.70E-03	4.26E-03	1.54E-03
15	609445.55	4170737.14	3.57E-02	1.59E-02	5.93E-03	2.77E-03	4.37E-03	1.58E-03
16	609455.39	4170737.18	3.65E-02	1.62E-02	6.06E-03	2.83E-03	4.47E-03	1.62E-03
17	609465.24	4170737.22	3.72E-02	1.65E-02	6.17E-03	2.89E-03	4.55E-03	1.65E-03
18	609475.08	4170737.27	3.77E-02	1.68E-02	6.27E-03	2.93E-03	4.62E-03	1.67E-03
19	609484.92	4170737.31	3.82E-02	1.70E-02	6.35E-03	2.97E-03	4.68E-03	1.70E-03
20	609494.77	4170737.36	3.86E-02	1.72E-02	6.41E-03	3.00E-03	4.73E-03	1.71E-03
21	609504.61	4170737.4	3.89E-02	1.73E-02	6.46E-03	3.02E-03	4.77E-03	1.73E-03
22	609514.45	4170737.45	3.94E-02	1.75E-02	6.54E-03	3.06E-03	4.83E-03	1.75E-03
23	609524.3	4170737.49	3.97E-02	1.77E-02	6.60E-03	3.09E-03	4.87E-03	1.76E-03
24	609534.14	4170737.54	4.00E-02	1.78E-02	6.64E-03	3.10E-03	4.90E-03	1.77E-03
25	609543.98	4170737.58	3.98E-02	1.77E-02	6.62E-03	3.09E-03	4.88E-03	1.77E-03
26	609553.83	4170737.63	3.96E-02	1.76E-02	6.57E-03	3.07E-03	4.85E-03	1.76E-03
27	609563.67	4170737.67	3.91E-02	1.74E-02	6.50E-03	3.04E-03	4.80E-03	1.74E-03
28	609573.51	4170737.72	3.85E-02	1.71E-02	6.39E-03	2.99E-03	4.71E-03	1.71E-03
29	609583.36	4170737.76	3.74E-02	1.67E-02	6.22E-03	2.91E-03	4.59E-03	1.66E-03
30	609593.2	4170737.81	3.58E-02	1.59E-02	5.94E-03	2.78E-03	4.39E-03	1.59E-03
31	609300.6	4170743.5	4.19E-03	1.86E-03	6.95E-04	3.25E-04	5.13E-04	1.86E-04
32	609290.64	4170733.33	4.10E-03	1.82E-03	6.81E-04	3.18E-04	5.03E-04	1.82E-04
33	609317.54	4170746.55	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.49E-04	2.35E-04
34	609327.39	4170746.6	6.48E-03	2.89E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
35	609337.23	4170746.64	8.16E-03	3.63E-03	1.35E-03	6.34E-04	1.00E-03	3.62E-04
36	609347.07	4170746.69	1.03E-02	4.58E-03	1.71E-03	8.00E-04	1.26E-03	4.57E-04
37	609356.92	4170746.73	1.26E-02	5.61E-03	2.09E-03	9.79E-04	1.55E-03	5.59E-04
38	609366.76	4170746.78	1.48E-02	6.58E-03	2.46E-03	1.15E-03	1.81E-03	6.56E-04
39	609376.6	4170746.82	1.67E-02	7.45E-03	2.78E-03	1.30E-03	2.05E-03	7.43E-04
40	609386.45	4170746.87	1.85E-02	8.22E-03	3.07E-03	1.44E-03	2.26E-03	8.20E-04
41	609396.29	4170746.91	2.01E-02	8.94E-03	3.34E-03	1.56E-03	2.46E-03	8.91E-04
42	609406.13	4170746.96	2.15E-02	9.57E-03	3.57E-03	1.67E-03	2.64E-03	9.54E-04
43	609415.98	4170747	2.28E-02	1.01E-02	3.78E-03	1.77E-03	2.79E-03	1.01E-03
44	609425.82	4170747.05	2.38E-02	1.06E-02	3.96E-03	1.85E-03	2.92E-03	1.06E-03
45	609435.66	4170747.09	2.48E-02	1.10E-02	4.12E-03	1.93E-03	3.04E-03	1.10E-03
46	609445.51	4170747.14	2.56E-02	1.14E-02	4.25E-03	1.99E-03	3.14E-03	1.14E-03
47	609455.35	4170747.18	2.63E-02	1.17E-02	4.37E-03	2.05E-03	3.23E-03	1.17E-03
48	609465.19	4170747.22	2.70E-02	1.20E-02	4.48E-03	2.09E-03	3.31E-03	1.20E-03

49	609475.04	4170747.27	2.75E-02	1.22E-02	4.57E-03	2.14E-03	3.37E-03	1.22E-03
50	609484.88	4170747.31	2.80E-02	1.24E-02	4.65E-03	2.17E-03	3.43E-03	1.24E-03
51	609494.72	4170747.36	2.83E-02	1.26E-02	4.71E-03	2.20E-03	3.48E-03	1.26E-03
52	609504.57	4170747.4	2.87E-02	1.28E-02	4.76E-03	2.23E-03	3.51E-03	1.27E-03
53	609514.41	4170747.45	2.90E-02	1.29E-02	4.81E-03	2.25E-03	3.55E-03	1.29E-03
54	609524.25	4170747.49	2.92E-02	1.30E-02	4.85E-03	2.27E-03	3.58E-03	1.30E-03
55	609534.1	4170747.54	2.93E-02	1.30E-02	4.87E-03	2.28E-03	3.59E-03	1.30E-03
56	609543.94	4170747.58	2.93E-02	1.30E-02	4.87E-03	2.28E-03	3.59E-03	1.30E-03
57	609553.78	4170747.63	2.92E-02	1.30E-02	4.85E-03	2.27E-03	3.58E-03	1.30E-03
58	609563.63	4170747.67	2.90E-02	1.29E-02	4.81E-03	2.25E-03	3.55E-03	1.29E-03
59	609573.47	4170747.72	2.85E-02	1.27E-02	4.74E-03	2.22E-03	3.50E-03	1.27E-03
60	609583.31	4170747.76	2.79E-02	1.24E-02	4.63E-03	2.17E-03	3.42E-03	1.24E-03
61	609593.16	4170747.81	2.68E-02	1.19E-02	4.46E-03	2.08E-03	3.29E-03	1.19E-03
62	609300.55	4170753.5	3.67E-03	1.64E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
63	609283.5	4170740.32	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04
64	609317.5	4170756.55	4.49E-03	2.00E-03	7.45E-04	3.49E-04	5.50E-04	1.99E-04
65	609327.34	4170756.6	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.50E-04	2.35E-04
66	609356.87	4170756.73	9.17E-03	4.08E-03	1.52E-03	7.13E-04	1.12E-03	4.07E-04
67	609366.71	4170756.78	1.07E-02	4.75E-03	1.77E-03	8.29E-04	1.31E-03	4.73E-04
68	609376.56	4170756.82	1.21E-02	5.38E-03	2.01E-03	9.39E-04	1.48E-03	5.37E-04
69	609386.4	4170756.87	1.34E-02	5.96E-03	2.23E-03	1.04E-03	1.64E-03	5.95E-04
70	609396.24	4170756.91	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
71	609406.09	4170756.96	1.57E-02	7.00E-03	2.61E-03	1.22E-03	1.93E-03	6.98E-04
72	609415.93	4170757	1.67E-02	7.44E-03	2.78E-03	1.30E-03	2.05E-03	7.42E-04
73	609425.77	4170757.05	1.77E-02	7.86E-03	2.93E-03	1.37E-03	2.17E-03	7.84E-04
74	609435.62	4170757.09	1.85E-02	8.24E-03	3.07E-03	1.44E-03	2.27E-03	8.21E-04
75	609445.46	4170757.14	1.92E-02	8.57E-03	3.20E-03	1.50E-03	2.36E-03	8.54E-04
76	609455.3	4170757.18	1.99E-02	8.85E-03	3.30E-03	1.54E-03	2.44E-03	8.82E-04
77	609465.15	4170757.22	2.04E-02	9.10E-03	3.40E-03	1.59E-03	2.51E-03	9.07E-04
78	609474.99	4170757.27	2.09E-02	9.31E-03	3.48E-03	1.63E-03	2.57E-03	9.29E-04
79	609484.83	4170757.31	2.14E-02	9.50E-03	3.55E-03	1.66E-03	2.62E-03	9.48E-04
80	609494.68	4170757.36	2.17E-02	9.66E-03	3.61E-03	1.69E-03	2.66E-03	9.63E-04
81	609504.52	4170757.4	2.20E-02	9.79E-03	3.65E-03	1.71E-03	2.70E-03	9.77E-04
82	609514.36	4170757.45	2.22E-02	9.90E-03	3.70E-03	1.73E-03	2.73E-03	9.87E-04
83	609524.21	4170757.49	2.24E-02	9.98E-03	3.73E-03	1.74E-03	2.75E-03	9.96E-04
84	609534.05	4170757.54	2.25E-02	1.00E-02	3.74E-03	1.75E-03	2.76E-03	1.00E-03
85	609543.89	4170757.58	2.26E-02	1.01E-02	3.75E-03	1.76E-03	2.77E-03	1.00E-03
86	609553.74	4170757.63	2.26E-02	1.00E-02	3.75E-03	1.75E-03	2.77E-03	1.00E-03
87	609563.58	4170757.67	2.25E-02	9.99E-03	3.73E-03	1.74E-03	2.75E-03	9.97E-04
88	609573.42	4170757.72	2.22E-02	9.87E-03	3.68E-03	1.72E-03	2.72E-03	9.84E-04
89	609583.27	4170757.76	2.17E-02	9.68E-03	3.61E-03	1.69E-03	2.67E-03	9.65E-04
90	609593.11	4170757.81	2.11E-02	9.38E-03	3.50E-03	1.64E-03	2.58E-03	9.35E-04
91	609300.51	4170763.5	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
92	609286.3	4170757.49	2.97E-03	1.32E-03	4.93E-04	2.31E-04	3.64E-04	1.32E-04
93	609276.35	4170747.32	2.92E-03	1.30E-03	4.86E-04	2.27E-04	3.59E-04	1.30E-04
94	609317.45	4170766.55	3.88E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
95	609327.3	4170766.6	4.46E-03	1.99E-03	7.41E-04	3.47E-04	5.47E-04	1.98E-04
96	609298.69	4170772.75	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
97	609289.81	4170768.99	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
98	609280.93	4170765.24	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
99	609268.49	4170752.52	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
100	609264.92	4170743.56	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04

101	609307.56	4170776.51	3.04E-03	1.35E-03	5.06E-04	2.36E-04	3.73E-04	1.35E-04
102	609317.41	4170776.55	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
103	609327.25	4170776.6	3.83E-03	1.71E-03	6.37E-04	2.98E-04	4.70E-04	1.70E-04
104	609366.62	4170776.78	6.48E-03	2.89E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
105	609376.47	4170776.82	7.27E-03	3.23E-03	1.21E-03	5.65E-04	8.91E-04	3.22E-04
106	609386.31	4170776.87	8.04E-03	3.58E-03	1.33E-03	6.24E-04	9.85E-04	3.57E-04
107	609396.15	4170776.91	8.78E-03	3.91E-03	1.46E-03	6.82E-04	1.08E-03	3.90E-04
108	609406	4170776.96	9.49E-03	4.22E-03	1.58E-03	7.37E-04	1.16E-03	4.21E-04
109	609415.84	4170777	1.02E-02	4.52E-03	1.69E-03	7.90E-04	1.25E-03	4.51E-04
110	609425.68	4170777.05	1.08E-02	4.81E-03	1.80E-03	8.40E-04	1.33E-03	4.80E-04
111	609435.53	4170777.09	1.14E-02	5.08E-03	1.90E-03	8.87E-04	1.40E-03	5.07E-04
112	609445.37	4170777.13	1.20E-02	5.33E-03	1.99E-03	9.30E-04	1.47E-03	5.31E-04
113	609455.21	4170777.18	1.24E-02	5.54E-03	2.07E-03	9.67E-04	1.53E-03	5.52E-04
114	609465.06	4170777.22	1.29E-02	5.73E-03	2.14E-03	1.00E-03	1.58E-03	5.72E-04
115	609474.9	4170777.27	1.33E-02	5.91E-03	2.20E-03	1.03E-03	1.63E-03	5.89E-04
116	609484.74	4170777.31	1.36E-02	6.06E-03	2.26E-03	1.06E-03	1.67E-03	6.05E-04
117	609494.59	4170777.36	1.39E-02	6.20E-03	2.31E-03	1.08E-03	1.71E-03	6.18E-04
118	609504.43	4170777.4	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.29E-04
119	609514.27	4170777.45	1.44E-02	6.40E-03	2.39E-03	1.12E-03	1.76E-03	6.39E-04
120	609524.12	4170777.49	1.46E-02	6.48E-03	2.42E-03	1.13E-03	1.79E-03	6.46E-04
121	609533.96	4170777.54	1.47E-02	6.54E-03	2.44E-03	1.14E-03	1.80E-03	6.52E-04
122	609543.8	4170777.58	1.48E-02	6.57E-03	2.45E-03	1.15E-03	1.81E-03	6.56E-04
123	609553.65	4170777.63	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04
124	609563.49	4170777.67	1.48E-02	6.58E-03	2.46E-03	1.15E-03	1.81E-03	6.56E-04
125	609573.33	4170777.72	1.47E-02	6.53E-03	2.44E-03	1.14E-03	1.80E-03	6.52E-04
126	609583.18	4170777.76	1.45E-02	6.45E-03	2.41E-03	1.13E-03	1.78E-03	6.43E-04
127	609593.02	4170777.8	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.30E-04
128	609298.99	4170782.9	2.62E-03	1.16E-03	4.35E-04	2.03E-04	3.21E-04	1.16E-04
129	609290.47	4170779.29	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
130	609281.95	4170775.69	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
131	609273.43	4170772.08	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.82E-04	1.02E-04
132	609261.48	4170759.87	2.27E-03	1.01E-03	3.77E-04	1.77E-04	2.79E-04	1.01E-04
133	609258.06	4170751.27	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.86E-04	1.04E-04
134	609307.52	4170786.51	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
135	609317.36	4170786.55	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
136	609327.2	4170786.6	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
137	609366.58	4170786.78	5.33E-03	2.37E-03	8.85E-04	4.14E-04	6.53E-04	2.36E-04
138	609376.42	4170786.82	5.92E-03	2.64E-03	9.84E-04	4.60E-04	7.26E-04	2.63E-04
139	609386.26	4170786.87	6.53E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
140	609396.11	4170786.91	7.12E-03	3.17E-03	1.18E-03	5.53E-04	8.73E-04	3.16E-04
141	609405.95	4170786.96	7.69E-03	3.42E-03	1.28E-03	5.98E-04	9.43E-04	3.42E-04
142	609415.79	4170787	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
143	609425.64	4170787.05	8.79E-03	3.91E-03	1.46E-03	6.83E-04	1.08E-03	3.90E-04
144	609435.48	4170787.09	9.30E-03	4.14E-03	1.54E-03	7.22E-04	1.14E-03	4.13E-04
145	609445.32	4170787.13	9.76E-03	4.35E-03	1.62E-03	7.59E-04	1.20E-03	4.33E-04
146	609455.17	4170787.18	1.02E-02	4.53E-03	1.69E-03	7.91E-04	1.25E-03	4.52E-04
147	609465.01	4170787.22	1.06E-02	4.70E-03	1.75E-03	8.21E-04	1.30E-03	4.69E-04
148	609474.85	4170787.27	1.09E-02	4.86E-03	1.81E-03	8.48E-04	1.34E-03	4.84E-04
149	609484.7	4170787.31	1.12E-02	4.99E-03	1.86E-03	8.72E-04	1.38E-03	4.98E-04
150	609494.54	4170787.36	1.15E-02	5.12E-03	1.91E-03	8.93E-04	1.41E-03	5.10E-04
151	609504.38	4170787.4	1.17E-02	5.22E-03	1.95E-03	9.12E-04	1.44E-03	5.21E-04
152	609514.23	4170787.45	1.19E-02	5.31E-03	1.98E-03	9.27E-04	1.46E-03	5.30E-04

153	609524.07	4170787.49	1.21E-02	5.39E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
154	609533.91	4170787.54	1.22E-02	5.44E-03	2.03E-03	9.50E-04	1.50E-03	5.43E-04
155	609543.76	4170787.58	1.23E-02	5.48E-03	2.05E-03	9.57E-04	1.51E-03	5.47E-04
156	609553.6	4170787.63	1.24E-02	5.50E-03	2.05E-03	9.61E-04	1.52E-03	5.49E-04
157	609563.44	4170787.67	1.24E-02	5.51E-03	2.05E-03	9.61E-04	1.52E-03	5.49E-04
158	609573.29	4170787.72	1.23E-02	5.48E-03	2.05E-03	9.57E-04	1.51E-03	5.47E-04
159	609583.13	4170787.76	1.22E-02	5.43E-03	2.03E-03	9.48E-04	1.50E-03	5.41E-04
160	609592.97	4170787.8	1.20E-02	5.34E-03	1.99E-03	9.32E-04	1.47E-03	5.32E-04
161	609299.19	4170793	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
162	609290.9	4170789.49	2.30E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
163	609274.33	4170782.48	2.14E-03	9.51E-04	3.55E-04	1.66E-04	2.62E-04	9.48E-05
164	609254.43	4170767.1	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
165	609307.47	4170796.51	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.02E-04	1.09E-04
166	609317.32	4170796.55	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
167	609327.16	4170796.6	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
168	609356.69	4170796.73	4.04E-03	1.80E-03	6.71E-04	3.14E-04	4.95E-04	1.79E-04
169	609366.53	4170796.78	4.48E-03	1.99E-03	7.44E-04	3.48E-04	5.49E-04	1.99E-04
170	609376.38	4170796.82	4.95E-03	2.20E-03	8.22E-04	3.84E-04	6.07E-04	2.20E-04
171	609386.22	4170796.87	5.42E-03	2.41E-03	9.01E-04	4.21E-04	6.65E-04	2.41E-04
172	609396.06	4170796.91	5.90E-03	2.63E-03	9.80E-04	4.59E-04	7.23E-04	2.62E-04
173	609405.91	4170796.96	6.37E-03	2.84E-03	1.06E-03	4.95E-04	7.81E-04	2.83E-04
174	609415.75	4170797	6.83E-03	3.04E-03	1.13E-03	5.31E-04	8.37E-04	3.03E-04
175	609425.59	4170797.05	7.28E-03	3.24E-03	1.21E-03	5.66E-04	8.92E-04	3.23E-04
176	609435.44	4170797.09	7.71E-03	3.43E-03	1.28E-03	5.99E-04	9.45E-04	3.42E-04
177	609445.28	4170797.13	8.10E-03	3.61E-03	1.35E-03	6.30E-04	9.94E-04	3.60E-04
178	609455.12	4170797.18	8.47E-03	3.77E-03	1.41E-03	6.58E-04	1.04E-03	3.76E-04
179	609464.97	4170797.22	8.80E-03	3.92E-03	1.46E-03	6.84E-04	1.08E-03	3.91E-04
180	609474.81	4170797.27	9.11E-03	4.05E-03	1.51E-03	7.08E-04	1.12E-03	4.04E-04
181	609484.65	4170797.31	9.39E-03	4.18E-03	1.56E-03	7.29E-04	1.15E-03	4.17E-04
182	609494.5	4170797.36	9.63E-03	4.29E-03	1.60E-03	7.49E-04	1.18E-03	4.28E-04
183	609504.34	4170797.4	9.85E-03	4.39E-03	1.64E-03	7.66E-04	1.21E-03	4.37E-04
184	609514.18	4170797.45	1.00E-02	4.47E-03	1.67E-03	7.80E-04	1.23E-03	4.46E-04
185	609524.03	4170797.49	1.02E-02	4.54E-03	1.69E-03	7.93E-04	1.25E-03	4.53E-04
186	609533.87	4170797.54	1.03E-02	4.60E-03	1.72E-03	8.03E-04	1.27E-03	4.58E-04
187	609543.71	4170797.58	1.04E-02	4.64E-03	1.73E-03	8.10E-04	1.28E-03	4.63E-04
188	609553.56	4170797.63	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.65E-04
189	609563.4	4170797.67	1.05E-02	4.68E-03	1.75E-03	8.16E-04	1.29E-03	4.66E-04
190	609573.24	4170797.72	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.65E-04
191	609583.09	4170797.76	1.04E-02	4.63E-03	1.73E-03	8.09E-04	1.28E-03	4.62E-04
192	609592.93	4170797.8	1.03E-02	4.57E-03	1.71E-03	7.98E-04	1.26E-03	4.56E-04
193	609299.31	4170803.07	2.17E-03	9.66E-04	3.61E-04	1.69E-04	2.66E-04	9.64E-05
194	609283.08	4170796.2	2.04E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.07E-05
195	609266.84	4170789.33	1.92E-03	8.53E-04	3.19E-04	1.49E-04	2.35E-04	8.51E-05
196	609247.35	4170774.27	1.83E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.14E-05
197	609317.27	4170806.55	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.97E-04	1.07E-04
198	609327.11	4170806.6	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
199	609356.64	4170806.73	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
200	609366.49	4170806.78	3.84E-03	1.71E-03	6.38E-04	2.98E-04	4.71E-04	1.70E-04
201	609376.33	4170806.82	4.21E-03	1.87E-03	6.99E-04	3.27E-04	5.16E-04	1.87E-04
202	609386.17	4170806.87	4.59E-03	2.04E-03	7.63E-04	3.57E-04	5.63E-04	2.04E-04
203	609396.02	4170806.91	4.98E-03	2.22E-03	8.27E-04	3.87E-04	6.10E-04	2.21E-04
204	609405.86	4170806.96	5.36E-03	2.39E-03	8.91E-04	4.17E-04	6.58E-04	2.38E-04

205	609415.7	4170807	5.74E-03	2.56E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
206	609425.55	4170807.05	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.72E-04
207	609435.39	4170807.09	6.48E-03	2.88E-03	1.08E-03	5.03E-04	7.94E-04	2.87E-04
208	609445.23	4170807.13	6.82E-03	3.03E-03	1.13E-03	5.30E-04	8.36E-04	3.03E-04
209	609455.08	4170807.18	7.13E-03	3.17E-03	1.18E-03	5.54E-04	8.74E-04	3.17E-04
210	609464.92	4170807.22	7.43E-03	3.30E-03	1.23E-03	5.77E-04	9.10E-04	3.30E-04
211	609474.76	4170807.27	7.70E-03	3.43E-03	1.28E-03	5.98E-04	9.44E-04	3.42E-04
212	609484.61	4170807.31	7.95E-03	3.54E-03	1.32E-03	6.18E-04	9.75E-04	3.53E-04
213	609494.45	4170807.36	8.18E-03	3.64E-03	1.36E-03	6.35E-04	1.00E-03	3.63E-04
214	609504.29	4170807.4	8.38E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
215	609514.14	4170807.45	8.55E-03	3.81E-03	1.42E-03	6.65E-04	1.05E-03	3.80E-04
216	609523.98	4170807.49	8.70E-03	3.87E-03	1.45E-03	6.76E-04	1.07E-03	3.86E-04
217	609533.82	4170807.54	8.83E-03	3.93E-03	1.47E-03	6.86E-04	1.08E-03	3.92E-04
218	609543.67	4170807.58	8.93E-03	3.97E-03	1.48E-03	6.94E-04	1.09E-03	3.96E-04
219	609553.51	4170807.63	9.00E-03	4.00E-03	1.49E-03	6.99E-04	1.10E-03	3.99E-04
220	609563.35	4170807.67	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
221	609573.2	4170807.72	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
222	609583.04	4170807.76	8.99E-03	4.00E-03	1.49E-03	6.98E-04	1.10E-03	3.99E-04
223	609592.88	4170807.8	8.90E-03	3.96E-03	1.48E-03	6.91E-04	1.09E-03	3.95E-04
224	609299.39	4170813.13	1.99E-03	8.86E-04	3.31E-04	1.55E-04	2.44E-04	8.83E-05
225	609283.41	4170806.36	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
226	609267.43	4170799.6	1.79E-03	7.96E-04	2.97E-04	1.39E-04	2.19E-04	7.94E-05
227	609317.22	4170816.55	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
228	609327.07	4170816.6	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
229	609336.91	4170816.64	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
230	609356.6	4170816.73	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
231	609366.44	4170816.78	3.34E-03	1.49E-03	5.55E-04	2.59E-04	4.09E-04	1.48E-04
232	609376.28	4170816.82	3.64E-03	1.62E-03	6.04E-04	2.83E-04	4.46E-04	1.61E-04
233	609386.13	4170816.87	3.95E-03	1.76E-03	6.56E-04	3.07E-04	4.84E-04	1.75E-04
234	609395.97	4170816.91	4.26E-03	1.90E-03	7.08E-04	3.31E-04	5.23E-04	1.89E-04
235	609405.81	4170816.96	4.58E-03	2.04E-03	7.61E-04	3.56E-04	5.62E-04	2.03E-04
236	609415.66	4170817	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
237	609425.5	4170817.05	5.21E-03	2.32E-03	8.66E-04	4.05E-04	6.39E-04	2.31E-04
238	609435.34	4170817.09	5.52E-03	2.45E-03	9.16E-04	4.29E-04	6.76E-04	2.45E-04
239	609445.19	4170817.13	5.81E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
240	609455.03	4170817.18	6.08E-03	2.71E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
241	609464.87	4170817.22	6.34E-03	2.82E-03	1.05E-03	4.92E-04	7.77E-04	2.81E-04
242	609474.72	4170817.27	6.58E-03	2.93E-03	1.09E-03	5.11E-04	8.06E-04	2.92E-04
243	609484.56	4170817.31	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.34E-04	3.02E-04
244	609494.4	4170817.36	7.01E-03	3.12E-03	1.16E-03	5.45E-04	8.60E-04	3.11E-04
245	609504.25	4170817.4	7.20E-03	3.20E-03	1.20E-03	5.59E-04	8.83E-04	3.20E-04
246	609514.09	4170817.45	7.36E-03	3.28E-03	1.22E-03	5.72E-04	9.03E-04	3.27E-04
247	609523.93	4170817.49	7.50E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
248	609533.78	4170817.54	7.62E-03	3.39E-03	1.27E-03	5.92E-04	9.35E-04	3.38E-04
249	609543.62	4170817.58	7.72E-03	3.44E-03	1.28E-03	6.00E-04	9.47E-04	3.43E-04
250	609553.46	4170817.63	7.79E-03	3.47E-03	1.29E-03	6.06E-04	9.56E-04	3.46E-04
251	609563.31	4170817.67	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
252	609573.15	4170817.72	7.85E-03	3.50E-03	1.30E-03	6.10E-04	9.63E-04	3.49E-04
253	609582.99	4170817.76	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
254	609592.84	4170817.8	7.78E-03	3.46E-03	1.29E-03	6.04E-04	9.53E-04	3.45E-04
255	609298.46	4170822.75	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
256	609289.58	4170818.99	1.78E-03	7.92E-04	2.96E-04	1.38E-04	2.18E-04	7.90E-05

257	609280.7	4170815.24	1.74E-03	7.73E-04	2.88E-04	1.35E-04	2.13E-04	7.70E-05
258	609214.93	4170742.7	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05
259	609211.37	4170733.74	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
260	609307.34	4170826.51	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
261	609317.18	4170826.55	2.00E-03	8.89E-04	3.32E-04	1.55E-04	2.45E-04	8.86E-05
262	609327.02	4170826.6	2.14E-03	9.53E-04	3.56E-04	1.66E-04	2.63E-04	9.50E-05
263	609336.87	4170826.64	2.31E-03	1.03E-03	3.84E-04	1.79E-04	2.83E-04	1.02E-04
264	609356.55	4170826.73	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
265	609366.4	4170826.78	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.60E-04	1.30E-04
266	609376.24	4170826.82	3.18E-03	1.42E-03	5.28E-04	2.47E-04	3.90E-04	1.41E-04
267	609386.08	4170826.87	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.21E-04	1.52E-04
268	609395.93	4170826.91	3.70E-03	1.65E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
269	609405.77	4170826.96	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
270	609415.61	4170827	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
271	609425.46	4170827.04	4.49E-03	2.00E-03	7.47E-04	3.49E-04	5.51E-04	1.99E-04
272	609435.3	4170827.09	4.75E-03	2.11E-03	7.89E-04	3.69E-04	5.83E-04	2.11E-04
273	609445.14	4170827.13	5.00E-03	2.23E-03	8.31E-04	3.89E-04	6.13E-04	2.22E-04
274	609454.99	4170827.18	5.24E-03	2.33E-03	8.70E-04	4.07E-04	6.42E-04	2.33E-04
275	609464.83	4170827.22	5.46E-03	2.43E-03	9.08E-04	4.25E-04	6.70E-04	2.43E-04
276	609474.67	4170827.27	5.68E-03	2.53E-03	9.43E-04	4.41E-04	6.96E-04	2.52E-04
277	609484.52	4170827.31	5.88E-03	2.62E-03	9.77E-04	4.57E-04	7.21E-04	2.61E-04
278	609494.36	4170827.36	6.07E-03	2.70E-03	1.01E-03	4.72E-04	7.44E-04	2.69E-04
279	609504.2	4170827.4	6.24E-03	2.78E-03	1.04E-03	4.85E-04	7.65E-04	2.77E-04
280	609514.05	4170827.45	6.39E-03	2.84E-03	1.06E-03	4.97E-04	7.84E-04	2.84E-04
281	609523.89	4170827.49	6.53E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
282	609533.73	4170827.54	6.64E-03	2.96E-03	1.10E-03	5.16E-04	8.14E-04	2.95E-04
283	609543.58	4170827.58	6.74E-03	3.00E-03	1.12E-03	5.23E-04	8.26E-04	2.99E-04
284	609553.42	4170827.63	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.35E-04	3.02E-04
285	609563.26	4170827.67	6.86E-03	3.05E-03	1.14E-03	5.33E-04	8.41E-04	3.05E-04
286	609573.11	4170827.71	6.89E-03	3.07E-03	1.14E-03	5.35E-04	8.45E-04	3.06E-04
287	609582.95	4170827.76	6.88E-03	3.06E-03	1.14E-03	5.35E-04	8.44E-04	3.06E-04
288	609592.79	4170827.8	6.85E-03	3.05E-03	1.14E-03	5.32E-04	8.40E-04	3.04E-04
289	609298.61	4170832.83	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
290	609289.93	4170829.16	1.65E-03	7.35E-04	2.74E-04	1.28E-04	2.02E-04	7.33E-05
291	609246.53	4170810.79	1.46E-03	6.50E-04	2.43E-04	1.14E-04	1.79E-04	6.49E-05
292	609237.85	4170807.11	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
293	609225.68	4170794.68	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
294	609222.2	4170785.92	1.44E-03	6.41E-04	2.39E-04	1.12E-04	1.77E-04	6.39E-05
295	609218.71	4170777.16	1.47E-03	6.54E-04	2.44E-04	1.14E-04	1.80E-04	6.52E-05
296	609208.26	4170750.89	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
297	609204.78	4170742.13	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
298	609201.29	4170733.37	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
299	609307.29	4170836.51	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
300	609317.13	4170836.55	1.83E-03	8.14E-04	3.04E-04	1.42E-04	2.24E-04	8.12E-05
301	609326.98	4170836.6	1.95E-03	8.68E-04	3.24E-04	1.52E-04	2.39E-04	8.66E-05
302	609356.51	4170836.73	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.96E-04	1.07E-04
303	609366.35	4170836.78	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
304	609376.19	4170836.82	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
305	609386.04	4170836.87	3.02E-03	1.34E-03	5.02E-04	2.35E-04	3.70E-04	1.34E-04
306	609395.88	4170836.91	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
307	609405.72	4170836.96	3.46E-03	1.54E-03	5.76E-04	2.69E-04	4.25E-04	1.54E-04
308	609415.57	4170837	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.53E-04	1.64E-04

309	609425.41	4170837.04	3.92E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
310	609435.25	4170837.09	4.14E-03	1.84E-03	6.87E-04	3.21E-04	5.07E-04	1.84E-04
311	609445.1	4170837.13	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.34E-04	1.93E-04
312	609454.94	4170837.18	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
313	609464.78	4170837.22	4.76E-03	2.12E-03	7.91E-04	3.70E-04	5.84E-04	2.11E-04
314	609474.63	4170837.27	4.95E-03	2.20E-03	8.22E-04	3.85E-04	6.07E-04	2.20E-04
315	609484.47	4170837.31	5.13E-03	2.28E-03	8.52E-04	3.99E-04	6.29E-04	2.28E-04
316	609494.31	4170837.36	5.30E-03	2.36E-03	8.80E-04	4.12E-04	6.49E-04	2.35E-04
317	609504.16	4170837.4	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.69E-04	2.42E-04
318	609514	4170837.45	5.59E-03	2.49E-03	9.29E-04	4.35E-04	6.86E-04	2.48E-04
319	609523.84	4170837.49	5.72E-03	2.54E-03	9.50E-04	4.44E-04	7.01E-04	2.54E-04
320	609533.69	4170837.54	5.83E-03	2.59E-03	9.68E-04	4.53E-04	7.14E-04	2.59E-04
321	609543.53	4170837.58	5.92E-03	2.63E-03	9.83E-04	4.60E-04	7.26E-04	2.63E-04
322	609553.37	4170837.63	5.99E-03	2.67E-03	9.96E-04	4.66E-04	7.35E-04	2.66E-04
323	609563.22	4170837.67	6.05E-03	2.69E-03	1.00E-03	4.70E-04	7.42E-04	2.69E-04
324	609573.06	4170837.71	6.08E-03	2.71E-03	1.01E-03	4.73E-04	7.46E-04	2.70E-04
325	609582.9	4170837.76	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
326	609592.75	4170837.8	6.07E-03	2.70E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
327	609264.63	4170828.47	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
328	609256.11	4170824.86	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.28E-05
329	609247.59	4170821.26	1.38E-03	6.15E-04	2.29E-04	1.07E-04	1.69E-04	6.13E-05
330	609239.06	4170817.65	1.35E-03	5.99E-04	2.24E-04	1.05E-04	1.65E-04	5.98E-05
331	609230.54	4170814.04	1.31E-03	5.83E-04	2.18E-04	1.02E-04	1.61E-04	5.81E-05
332	609218.6	4170801.83	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
333	609215.18	4170793.23	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
334	609211.75	4170784.64	1.35E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
335	609201.49	4170758.84	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
336	609198.07	4170750.24	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
337	609194.65	4170741.64	1.43E-03	6.34E-04	2.37E-04	1.11E-04	1.75E-04	6.33E-05
338	609191.23	4170733.04	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
339	609356.46	4170846.73	2.17E-03	9.68E-04	3.61E-04	1.69E-04	2.67E-04	9.65E-05
340	609366.31	4170846.78	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
341	609376.15	4170846.82	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
342	609385.99	4170846.87	2.68E-03	1.19E-03	4.46E-04	2.08E-04	3.29E-04	1.19E-04
343	609395.84	4170846.91	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.52E-04	1.27E-04
344	609405.68	4170846.96	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
345	609415.52	4170847	3.25E-03	1.45E-03	5.40E-04	2.52E-04	3.98E-04	1.44E-04
346	609425.37	4170847.04	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
347	609454.9	4170847.18	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
348	609464.74	4170847.22	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.12E-04	1.85E-04
349	609474.58	4170847.27	4.35E-03	1.93E-03	7.22E-04	3.38E-04	5.33E-04	1.93E-04
350	609484.43	4170847.31	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
351	609494.27	4170847.36	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.71E-04	2.07E-04
352	609504.11	4170847.4	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
353	609533.64	4170847.54	5.15E-03	2.29E-03	8.55E-04	4.00E-04	6.31E-04	2.29E-04
354	609543.49	4170847.58	5.24E-03	2.33E-03	8.70E-04	4.07E-04	6.42E-04	2.32E-04
355	609553.33	4170847.63	5.31E-03	2.36E-03	8.82E-04	4.13E-04	6.51E-04	2.36E-04
356	609563.17	4170847.67	5.37E-03	2.39E-03	8.92E-04	4.17E-04	6.58E-04	2.38E-04
357	609573.02	4170847.71	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04
358	609582.86	4170847.76	5.42E-03	2.41E-03	9.01E-04	4.21E-04	6.65E-04	2.41E-04
359	609592.7	4170847.8	5.42E-03	2.41E-03	9.00E-04	4.21E-04	6.64E-04	2.40E-04
360	609273.63	4170842.3	1.38E-03	6.15E-04	2.30E-04	1.07E-04	1.69E-04	6.13E-05

361	609265.23	4170838.74	1.36E-03	6.04E-04	2.25E-04	1.05E-04	1.66E-04	6.03E-05
362	609256.84	4170835.19	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
363	609248.44	4170831.64	1.30E-03	5.81E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
364	609240.05	4170828.09	1.28E-03	5.68E-04	2.12E-04	9.92E-05	1.56E-04	5.66E-05
365	609231.66	4170824.53	1.25E-03	5.55E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
366	609223.26	4170820.98	1.21E-03	5.40E-04	2.02E-04	9.43E-05	1.49E-04	5.39E-05
367	609211.5	4170808.96	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
368	609208.13	4170800.49	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
369	609204.76	4170792.02	1.26E-03	5.59E-04	2.09E-04	9.75E-05	1.54E-04	5.57E-05
370	609194.66	4170766.61	1.30E-03	5.80E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
371	609187.92	4170749.67	1.32E-03	5.88E-04	2.20E-04	1.03E-04	1.62E-04	5.87E-05
372	609184.55	4170741.21	1.33E-03	5.90E-04	2.20E-04	1.03E-04	1.63E-04	5.88E-05
373	609181.18	4170732.74	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.89E-05
374	609307.2	4170856.51	1.48E-03	6.57E-04	2.45E-04	1.15E-04	1.81E-04	6.55E-05
375	609317.04	4170856.55	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
376	609326.89	4170856.6	1.64E-03	7.30E-04	2.73E-04	1.27E-04	2.01E-04	7.28E-05
377	609336.73	4170856.64	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
378	609356.42	4170856.73	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
379	609366.26	4170856.78	2.10E-03	9.36E-04	3.49E-04	1.63E-04	2.58E-04	9.33E-05
380	609376.1	4170856.82	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.75E-04	9.97E-05
381	609385.95	4170856.87	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
382	609395.79	4170856.91	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
383	609405.63	4170856.96	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
384	609415.48	4170857	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
385	609425.32	4170857.04	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
386	609454.85	4170857.18	3.54E-03	1.58E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
387	609464.69	4170857.22	3.69E-03	1.64E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
388	609474.54	4170857.27	3.84E-03	1.71E-03	6.39E-04	2.99E-04	4.71E-04	1.71E-04
389	609484.38	4170857.31	3.99E-03	1.77E-03	6.62E-04	3.10E-04	4.89E-04	1.77E-04
390	609494.22	4170857.36	4.12E-03	1.83E-03	6.85E-04	3.20E-04	5.05E-04	1.83E-04
391	609504.07	4170857.4	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
392	609533.6	4170857.54	4.58E-03	2.04E-03	7.60E-04	3.56E-04	5.61E-04	2.03E-04
393	609543.44	4170857.58	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.72E-04	2.07E-04
394	609553.28	4170857.63	4.73E-03	2.11E-03	7.86E-04	3.68E-04	5.80E-04	2.10E-04
395	609563.13	4170857.67	4.79E-03	2.13E-03	7.96E-04	3.72E-04	5.87E-04	2.13E-04
396	609572.97	4170857.71	4.83E-03	2.15E-03	8.02E-04	3.75E-04	5.92E-04	2.14E-04
397	609582.81	4170857.76	4.85E-03	2.16E-03	8.06E-04	3.77E-04	5.95E-04	2.15E-04
398	609592.66	4170857.8	4.86E-03	2.16E-03	8.07E-04	3.77E-04	5.96E-04	2.16E-04
399	609298.12	4170862.68	1.35E-03	6.01E-04	2.24E-04	1.05E-04	1.66E-04	5.99E-05
400	609271	4170851.2	1.29E-03	5.73E-04	2.14E-04	1.00E-04	1.58E-04	5.72E-05
401	609261.96	4170847.38	1.27E-03	5.64E-04	2.10E-04	9.84E-05	1.55E-04	5.62E-05
402	609252.92	4170843.55	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
403	609243.88	4170839.73	1.22E-03	5.42E-04	2.02E-04	9.46E-05	1.49E-04	5.40E-05
404	609234.84	4170835.9	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.28E-05
405	609225.8	4170832.07	1.16E-03	5.17E-04	1.93E-04	9.03E-05	1.42E-04	5.16E-05
406	609216.76	4170828.25	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.02E-05
407	609204.09	4170815.3	1.13E-03	5.01E-04	1.87E-04	8.75E-05	1.38E-04	5.00E-05
408	609200.47	4170806.18	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.10E-05
409	609196.84	4170797.06	1.17E-03	5.22E-04	1.95E-04	9.11E-05	1.44E-04	5.20E-05
410	609185.95	4170769.7	1.22E-03	5.42E-04	2.02E-04	9.46E-05	1.49E-04	5.41E-05
411	609182.32	4170760.58	1.23E-03	5.46E-04	2.04E-04	9.53E-05	1.50E-04	5.45E-05
412	609178.7	4170751.46	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05

413	609175.07	4170742.34	1.24E-03	5.50E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
414	609171.44	4170733.22	1.24E-03	5.51E-04	2.06E-04	9.62E-05	1.52E-04	5.49E-05
415	609307.15	4170866.51	1.37E-03	6.10E-04	2.28E-04	1.07E-04	1.68E-04	6.09E-05
416	609317	4170866.55	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.39E-05
417	609326.84	4170866.6	1.51E-03	6.74E-04	2.51E-04	1.18E-04	1.86E-04	6.72E-05
418	609336.68	4170866.64	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
419	609356.37	4170866.73	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
420	609366.21	4170866.78	1.91E-03	8.49E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
421	609376.06	4170866.82	2.03E-03	9.03E-04	3.37E-04	1.58E-04	2.49E-04	9.01E-05
422	609385.9	4170866.87	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
423	609395.74	4170866.91	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
424	609405.59	4170866.96	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
425	609415.43	4170867	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
426	609425.27	4170867.04	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.34E-04	1.21E-04
427	609454.8	4170867.18	3.15E-03	1.40E-03	5.23E-04	2.45E-04	3.86E-04	1.40E-04
428	609464.65	4170867.22	3.29E-03	1.46E-03	5.46E-04	2.56E-04	4.03E-04	1.46E-04
429	609474.49	4170867.27	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.20E-04	1.52E-04
430	609484.33	4170867.31	3.55E-03	1.58E-03	5.90E-04	2.76E-04	4.35E-04	1.58E-04
431	609494.18	4170867.36	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
432	609504.02	4170867.4	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.65E-04	1.68E-04
433	609533.55	4170867.54	4.09E-03	1.82E-03	6.79E-04	3.18E-04	5.01E-04	1.82E-04
434	609543.39	4170867.58	4.17E-03	1.86E-03	6.93E-04	3.24E-04	5.11E-04	1.85E-04
435	609553.24	4170867.63	4.24E-03	1.89E-03	7.04E-04	3.29E-04	5.20E-04	1.88E-04
436	609563.08	4170867.67	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
437	609572.92	4170867.71	4.34E-03	1.93E-03	7.21E-04	3.37E-04	5.32E-04	1.93E-04
438	609582.77	4170867.76	4.37E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
439	609592.61	4170867.8	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
440	609298.23	4170872.75	1.26E-03	5.61E-04	2.09E-04	9.80E-05	1.55E-04	5.60E-05
441	609289.35	4170868.99	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
442	609262.72	4170857.72	1.19E-03	5.31E-04	1.98E-04	9.27E-05	1.46E-04	5.30E-05
443	609253.84	4170853.96	1.17E-03	5.22E-04	1.95E-04	9.12E-05	1.44E-04	5.21E-05
444	609244.96	4170850.2	1.15E-03	5.13E-04	1.91E-04	8.96E-05	1.41E-04	5.12E-05
445	609236.09	4170846.45	1.13E-03	5.03E-04	1.88E-04	8.78E-05	1.39E-04	5.02E-05
446	609227.21	4170842.69	1.11E-03	4.93E-04	1.84E-04	8.61E-05	1.36E-04	4.92E-05
447	609218.33	4170838.93	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.81E-05
448	609209.45	4170835.17	1.06E-03	4.70E-04	1.76E-04	8.21E-05	1.30E-04	4.69E-05
449	609197.01	4170822.46	1.05E-03	4.68E-04	1.75E-04	8.17E-05	1.29E-04	4.67E-05
450	609193.45	4170813.5	1.07E-03	4.77E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
451	609189.88	4170804.54	1.09E-03	4.86E-04	1.81E-04	8.49E-05	1.34E-04	4.85E-05
452	609179.19	4170777.67	1.14E-03	5.05E-04	1.89E-04	8.82E-05	1.39E-04	5.04E-05
453	609175.63	4170768.71	1.14E-03	5.09E-04	1.90E-04	8.89E-05	1.40E-04	5.08E-05
454	609172.07	4170759.75	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.11E-05
455	609168.5	4170750.8	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
456	609164.94	4170741.84	1.16E-03	5.15E-04	1.92E-04	8.99E-05	1.42E-04	5.13E-05
457	609161.38	4170732.88	1.16E-03	5.15E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
458	609307.11	4170876.51	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
459	609316.95	4170876.55	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
460	609326.8	4170876.6	1.40E-03	6.24E-04	2.33E-04	1.09E-04	1.72E-04	6.22E-05
461	609336.64	4170876.64	1.47E-03	6.56E-04	2.45E-04	1.15E-04	1.81E-04	6.54E-05
462	609356.33	4170876.73	1.64E-03	7.31E-04	2.73E-04	1.28E-04	2.01E-04	7.29E-05
463	609366.17	4170876.78	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
464	609376.01	4170876.82	1.84E-03	8.20E-04	3.06E-04	1.43E-04	2.26E-04	8.18E-05

465	609385.86	4170876.87	1.95E-03	8.69E-04	3.25E-04	1.52E-04	2.40E-04	8.67E-05
466	609395.7	4170876.91	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.19E-05
467	609405.54	4170876.96	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
468	609415.39	4170877	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
469	609425.23	4170877.04	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
470	609454.76	4170877.18	2.82E-03	1.26E-03	4.69E-04	2.19E-04	3.46E-04	1.25E-04
471	609464.6	4170877.22	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
472	609474.45	4170877.27	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
473	609484.29	4170877.31	3.18E-03	1.42E-03	5.28E-04	2.47E-04	3.90E-04	1.41E-04
474	609494.13	4170877.36	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
475	609503.98	4170877.4	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.17E-04	1.51E-04
476	609533.51	4170877.54	3.67E-03	1.64E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
477	609543.35	4170877.58	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
478	609553.19	4170877.63	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
479	609563.04	4170877.67	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.75E-04	1.72E-04
480	609572.88	4170877.71	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
481	609582.72	4170877.76	3.94E-03	1.76E-03	6.55E-04	3.06E-04	4.84E-04	1.75E-04
482	609592.57	4170877.8	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
483	609298.32	4170882.81	1.18E-03	5.25E-04	1.96E-04	9.16E-05	1.45E-04	5.24E-05
484	609289.58	4170879.11	1.17E-03	5.19E-04	1.94E-04	9.06E-05	1.43E-04	5.18E-05
485	609280.84	4170875.41	1.15E-03	5.13E-04	1.91E-04	8.96E-05	1.41E-04	5.12E-05
486	609254.62	4170864.31	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
487	609245.87	4170860.61	1.09E-03	4.86E-04	1.81E-04	8.48E-05	1.34E-04	4.85E-05
488	609237.13	4170856.91	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
489	609228.39	4170853.21	1.05E-03	4.69E-04	1.75E-04	8.19E-05	1.29E-04	4.68E-05
490	609219.65	4170849.51	1.03E-03	4.60E-04	1.72E-04	8.04E-05	1.27E-04	4.59E-05
491	609210.91	4170845.81	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
492	609202.17	4170842.11	9.90E-04	4.41E-04	1.64E-04	7.69E-05	1.21E-04	4.39E-05
493	609189.92	4170829.59	9.86E-04	4.39E-04	1.64E-04	7.66E-05	1.21E-04	4.38E-05
494	609186.41	4170820.77	1.00E-03	4.47E-04	1.67E-04	7.81E-05	1.23E-04	4.46E-05
495	609182.9	4170811.95	1.02E-03	4.55E-04	1.70E-04	7.94E-05	1.25E-04	4.54E-05
496	609172.37	4170785.49	1.06E-03	4.73E-04	1.76E-04	8.25E-05	1.30E-04	4.71E-05
497	609168.87	4170776.67	1.07E-03	4.77E-04	1.78E-04	8.33E-05	1.31E-04	4.76E-05
498	609165.36	4170767.85	1.08E-03	4.80E-04	1.79E-04	8.38E-05	1.32E-04	4.79E-05
499	609161.85	4170759.03	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.81E-05
500	609158.34	4170750.21	1.08E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.81E-05
501	609154.83	4170741.39	1.08E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.81E-05
502	609151.32	4170732.57	1.08E-03	4.82E-04	1.80E-04	8.42E-05	1.33E-04	4.81E-05
503	609307.06	4170886.51	1.19E-03	5.31E-04	1.98E-04	9.27E-05	1.46E-04	5.30E-05
504	609316.91	4170886.55	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
505	609326.75	4170886.6	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
506	609336.59	4170886.64	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.06E-05
507	609356.28	4170886.73	1.51E-03	6.72E-04	2.51E-04	1.17E-04	1.85E-04	6.70E-05
508	609366.12	4170886.78	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
509	609375.97	4170886.82	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
510	609385.81	4170886.87	1.78E-03	7.91E-04	2.95E-04	1.38E-04	2.18E-04	7.89E-05
511	609395.65	4170886.91	1.88E-03	8.37E-04	3.12E-04	1.46E-04	2.31E-04	8.34E-05
512	609405.5	4170886.96	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
513	609415.34	4170887	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
514	609425.18	4170887.04	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.71E-04	9.79E-05
515	609454.71	4170887.18	2.54E-03	1.13E-03	4.22E-04	1.97E-04	3.12E-04	1.13E-04
516	609464.56	4170887.22	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04

517	609474.4	4170887.27	2.76E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
518	609484.24	4170887.31	2.86E-03	1.27E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
519	609494.09	4170887.36	2.96E-03	1.32E-03	4.92E-04	2.30E-04	3.63E-04	1.32E-04
520	609503.93	4170887.4	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
521	609533.46	4170887.54	3.32E-03	1.48E-03	5.51E-04	2.58E-04	4.06E-04	1.47E-04
522	609543.3	4170887.58	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
523	609553.15	4170887.63	3.45E-03	1.54E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
524	609562.99	4170887.67	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.30E-04	1.56E-04
525	609572.83	4170887.71	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.57E-04
526	609582.68	4170887.76	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.39E-04	1.59E-04
527	609592.52	4170887.8	3.60E-03	1.60E-03	5.98E-04	2.80E-04	4.41E-04	1.60E-04
528	609298.39	4170892.86	1.11E-03	4.92E-04	1.84E-04	8.59E-05	1.36E-04	4.91E-05
529	609289.77	4170889.21	1.09E-03	4.87E-04	1.82E-04	8.51E-05	1.34E-04	4.86E-05
530	609281.15	4170885.56	1.08E-03	4.83E-04	1.80E-04	8.42E-05	1.33E-04	4.81E-05
531	609272.52	4170881.91	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
532	609246.65	4170870.95	1.04E-03	4.61E-04	1.72E-04	8.04E-05	1.27E-04	4.60E-05
533	609238.02	4170867.3	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
534	609229.4	4170863.65	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.46E-05
535	609220.78	4170860	9.88E-04	4.40E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
536	609212.15	4170856.35	9.70E-04	4.32E-04	1.61E-04	7.54E-05	1.19E-04	4.30E-05
537	609203.53	4170852.7	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
538	609194.9	4170849.05	9.31E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
539	609182.82	4170836.7	9.27E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
540	609179.36	4170828	9.44E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
541	609175.89	4170819.3	9.59E-04	4.27E-04	1.59E-04	7.45E-05	1.18E-04	4.26E-05
542	609162.05	4170784.49	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
543	609158.59	4170775.79	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
544	609155.12	4170767.09	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
545	609151.66	4170758.38	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
546	609148.2	4170749.68	1.02E-03	4.54E-04	1.70E-04	7.93E-05	1.25E-04	4.53E-05
547	609144.74	4170740.98	1.02E-03	4.54E-04	1.69E-04	7.92E-05	1.25E-04	4.52E-05
548	609141.28	4170732.28	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
549	609307.02	4170896.51	1.12E-03	4.97E-04	1.86E-04	8.68E-05	1.37E-04	4.96E-05
550	609316.86	4170896.55	1.16E-03	5.17E-04	1.93E-04	9.03E-05	1.42E-04	5.16E-05
551	609326.71	4170896.6	1.21E-03	5.39E-04	2.01E-04	9.42E-05	1.49E-04	5.38E-05
552	609336.55	4170896.64	1.27E-03	5.64E-04	2.10E-04	9.84E-05	1.55E-04	5.62E-05
553	609356.24	4170896.73	1.39E-03	6.20E-04	2.32E-04	1.08E-04	1.71E-04	6.19E-05
554	609366.08	4170896.78	1.47E-03	6.52E-04	2.44E-04	1.14E-04	1.80E-04	6.51E-05
555	609375.92	4170896.82	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
556	609385.77	4170896.87	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
557	609395.61	4170896.91	1.72E-03	7.64E-04	2.85E-04	1.33E-04	2.10E-04	7.62E-05
558	609405.45	4170896.95	1.81E-03	8.05E-04	3.00E-04	1.41E-04	2.22E-04	8.03E-05
559	609415.3	4170897	1.90E-03	8.48E-04	3.16E-04	1.48E-04	2.33E-04	8.45E-05
560	609425.14	4170897.04	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.45E-04	8.89E-05
561	609454.67	4170897.18	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
562	609464.51	4170897.22	2.40E-03	1.07E-03	3.99E-04	1.86E-04	2.94E-04	1.07E-04
563	609474.36	4170897.27	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
564	609484.2	4170897.31	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
565	609494.04	4170897.36	2.68E-03	1.19E-03	4.46E-04	2.08E-04	3.29E-04	1.19E-04
566	609503.89	4170897.4	2.77E-03	1.23E-03	4.60E-04	2.15E-04	3.40E-04	1.23E-04
567	609533.42	4170897.54	3.01E-03	1.34E-03	4.99E-04	2.34E-04	3.69E-04	1.33E-04
568	609543.26	4170897.58	3.07E-03	1.37E-03	5.10E-04	2.39E-04	3.77E-04	1.36E-04

569	609553.1	4170897.62	3.13E-03	1.39E-03	5.20E-04	2.43E-04	3.84E-04	1.39E-04
570	609562.95	4170897.67	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
571	609572.79	4170897.71	3.23E-03	1.44E-03	5.36E-04	2.51E-04	3.96E-04	1.43E-04
572	609582.63	4170897.76	3.26E-03	1.45E-03	5.41E-04	2.53E-04	3.99E-04	1.45E-04
573	609592.48	4170897.8	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
574	609298.45	4170902.9	1.04E-03	4.62E-04	1.72E-04	8.07E-05	1.27E-04	4.61E-05
575	609289.93	4170899.29	1.03E-03	4.58E-04	1.71E-04	8.00E-05	1.26E-04	4.57E-05
576	609281.4	4170895.69	1.02E-03	4.54E-04	1.70E-04	7.93E-05	1.25E-04	4.53E-05
577	609272.88	4170892.08	1.01E-03	4.50E-04	1.68E-04	7.86E-05	1.24E-04	4.49E-05
578	609264.36	4170888.47	1.00E-03	4.46E-04	1.67E-04	7.79E-05	1.23E-04	4.45E-05
579	609238.79	4170877.65	9.70E-04	4.32E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
580	609230.27	4170874.04	9.57E-04	4.26E-04	1.59E-04	7.43E-05	1.17E-04	4.25E-05
581	609221.75	4170870.43	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
582	609213.22	4170866.83	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
583	609204.7	4170863.22	9.12E-04	4.06E-04	1.52E-04	7.09E-05	1.12E-04	4.05E-05
584	609196.18	4170859.61	8.95E-04	3.98E-04	1.49E-04	6.96E-05	1.10E-04	3.97E-05
585	609187.65	4170856	8.77E-04	3.90E-04	1.46E-04	6.82E-05	1.08E-04	3.89E-05
586	609175.71	4170843.8	8.74E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
587	609172.29	4170835.2	8.89E-04	3.96E-04	1.48E-04	6.91E-05	1.09E-04	3.95E-05
588	609168.87	4170826.6	9.03E-04	4.02E-04	1.50E-04	7.02E-05	1.11E-04	4.01E-05
589	609165.45	4170818	9.16E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
590	609155.18	4170792.2	9.47E-04	4.22E-04	1.57E-04	7.36E-05	1.16E-04	4.20E-05
591	609151.76	4170783.6	9.54E-04	4.25E-04	1.59E-04	7.42E-05	1.17E-04	4.24E-05
592	609148.34	4170775	9.59E-04	4.27E-04	1.59E-04	7.46E-05	1.18E-04	4.26E-05
593	609144.92	4170766.4	9.62E-04	4.28E-04	1.60E-04	7.48E-05	1.18E-04	4.27E-05
594	609141.5	4170757.8	9.63E-04	4.29E-04	1.60E-04	7.48E-05	1.18E-04	4.28E-05
595	609138.08	4170749.2	9.62E-04	4.28E-04	1.60E-04	7.48E-05	1.18E-04	4.27E-05
596	609134.66	4170740.6	9.61E-04	4.28E-04	1.60E-04	7.46E-05	1.18E-04	4.26E-05
597	609306.97	4170906.51	1.05E-03	4.66E-04	1.74E-04	8.14E-05	1.28E-04	4.65E-05
598	609316.82	4170906.55	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
599	609326.66	4170906.6	1.13E-03	5.03E-04	1.88E-04	8.79E-05	1.39E-04	5.02E-05
600	609336.5	4170906.64	1.18E-03	5.25E-04	1.96E-04	9.17E-05	1.45E-04	5.24E-05
601	609366.03	4170906.78	1.35E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
602	609375.88	4170906.82	1.42E-03	6.33E-04	2.36E-04	1.11E-04	1.74E-04	6.31E-05
603	609385.72	4170906.87	1.50E-03	6.66E-04	2.48E-04	1.16E-04	1.83E-04	6.64E-05
604	609395.56	4170906.91	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
605	609405.41	4170906.95	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
606	609415.25	4170907	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
607	609425.09	4170907.04	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
608	609454.62	4170907.18	2.09E-03	9.32E-04	3.48E-04	1.63E-04	2.57E-04	9.29E-05
609	609464.47	4170907.22	2.18E-03	9.71E-04	3.62E-04	1.70E-04	2.68E-04	9.69E-05
610	609474.31	4170907.27	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
611	609484.15	4170907.31	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
612	609494	4170907.36	2.44E-03	1.09E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
613	609503.84	4170907.4	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
614	609533.37	4170907.54	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
615	609543.21	4170907.58	2.80E-03	1.25E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
616	609553.06	4170907.62	2.85E-03	1.27E-03	4.74E-04	2.22E-04	3.50E-04	1.27E-04
617	609562.9	4170907.67	2.90E-03	1.29E-03	4.82E-04	2.26E-04	3.56E-04	1.29E-04
618	609572.74	4170907.71	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
619	609582.59	4170907.76	2.98E-03	1.33E-03	4.95E-04	2.31E-04	3.65E-04	1.32E-04
620	609592.43	4170907.8	3.00E-03	1.34E-03	4.99E-04	2.33E-04	3.68E-04	1.33E-04

621	609297.93	4170912.7	9.76E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.33E-05
622	609288.94	4170908.89	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
623	609279.94	4170905.08	9.61E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.26E-05
624	609270.94	4170901.28	9.53E-04	4.24E-04	1.58E-04	7.41E-05	1.17E-04	4.23E-05
625	609261.95	4170897.47	9.45E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
626	609234.96	4170886.04	9.16E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
627	609225.96	4170882.24	9.05E-04	4.03E-04	1.50E-04	7.03E-05	1.11E-04	4.02E-05
628	609216.97	4170878.43	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
629	609207.97	4170874.62	8.78E-04	3.91E-04	1.46E-04	6.82E-05	1.08E-04	3.90E-05
630	609198.97	4170870.81	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
631	609189.98	4170867	8.47E-04	3.77E-04	1.41E-04	6.58E-05	1.04E-04	3.76E-05
632	609180.98	4170863.2	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
633	609168.37	4170850.31	8.27E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
634	609164.76	4170841.23	8.41E-04	3.74E-04	1.40E-04	6.54E-05	1.03E-04	3.73E-05
635	609161.15	4170832.16	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
636	609146.71	4170795.85	8.97E-04	3.99E-04	1.49E-04	6.97E-05	1.10E-04	3.98E-05
637	609143.1	4170786.77	9.04E-04	4.02E-04	1.50E-04	7.02E-05	1.11E-04	4.01E-05
638	609139.48	4170777.7	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
639	609135.87	4170768.62	9.11E-04	4.05E-04	1.51E-04	7.08E-05	1.12E-04	4.04E-05
640	609132.26	4170759.54	9.11E-04	4.06E-04	1.51E-04	7.08E-05	1.12E-04	4.05E-05
641	609128.65	4170750.46	9.10E-04	4.05E-04	1.51E-04	7.07E-05	1.12E-04	4.04E-05
642	609306.93	4170916.51	9.84E-04	4.38E-04	1.63E-04	7.65E-05	1.21E-04	4.37E-05
643	609316.77	4170916.55	1.02E-03	4.54E-04	1.69E-04	7.92E-05	1.25E-04	4.53E-05
644	609326.61	4170916.6	1.06E-03	4.71E-04	1.76E-04	8.23E-05	1.30E-04	4.70E-05
645	609336.46	4170916.64	1.10E-03	4.90E-04	1.83E-04	8.56E-05	1.35E-04	4.89E-05
646	609365.99	4170916.78	1.26E-03	5.59E-04	2.09E-04	9.75E-05	1.54E-04	5.57E-05
647	609375.83	4170916.82	1.32E-03	5.85E-04	2.19E-04	1.02E-04	1.61E-04	5.84E-05
648	609385.67	4170916.87	1.38E-03	6.14E-04	2.29E-04	1.07E-04	1.69E-04	6.12E-05
649	609395.52	4170916.91	1.45E-03	6.44E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
650	609405.36	4170916.95	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
651	609415.2	4170917	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.08E-05
652	609425.05	4170917.04	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
653	609454.58	4170917.18	1.91E-03	8.51E-04	3.18E-04	1.49E-04	2.34E-04	8.49E-05
654	609464.42	4170917.22	1.99E-03	8.87E-04	3.31E-04	1.55E-04	2.44E-04	8.84E-05
655	609474.26	4170917.27	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.20E-05
656	609484.11	4170917.31	2.15E-03	9.57E-04	3.57E-04	1.67E-04	2.64E-04	9.54E-05
657	609493.95	4170917.36	2.23E-03	9.91E-04	3.70E-04	1.73E-04	2.73E-04	9.88E-05
658	609503.79	4170917.4	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
659	609533.32	4170917.54	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
660	609543.17	4170917.58	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.14E-04	1.14E-04
661	609553.01	4170917.62	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
662	609562.85	4170917.67	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
663	609572.7	4170917.71	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
664	609582.54	4170917.76	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
665	609592.38	4170917.8	2.75E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
666	609298	4170922.75	9.20E-04	4.09E-04	1.53E-04	7.15E-05	1.13E-04	4.08E-05
667	609289.13	4170918.99	9.14E-04	4.07E-04	1.52E-04	7.10E-05	1.12E-04	4.05E-05
668	609280.25	4170915.23	9.07E-04	4.04E-04	1.51E-04	7.05E-05	1.11E-04	4.03E-05
669	609271.37	4170911.48	9.01E-04	4.01E-04	1.50E-04	7.00E-05	1.10E-04	4.00E-05
670	609262.49	4170907.72	8.95E-04	3.98E-04	1.49E-04	6.95E-05	1.10E-04	3.97E-05
671	609253.62	4170903.96	8.88E-04	3.95E-04	1.48E-04	6.90E-05	1.09E-04	3.94E-05
672	609226.98	4170892.69	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05

673	609218.1	4170888.93	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
674	609209.23	4170885.17	8.42E-04	3.75E-04	1.40E-04	6.54E-05	1.03E-04	3.74E-05
675	609200.35	4170881.41	8.29E-04	3.69E-04	1.38E-04	6.44E-05	1.02E-04	3.68E-05
676	609191.47	4170877.66	8.16E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
677	609182.59	4170873.9	8.01E-04	3.57E-04	1.33E-04	6.23E-05	9.82E-05	3.56E-05
678	609154.15	4170839.51	8.08E-04	3.60E-04	1.34E-04	6.28E-05	9.91E-05	3.59E-05
679	609150.58	4170830.55	8.20E-04	3.65E-04	1.36E-04	6.37E-05	1.00E-04	3.64E-05
680	609139.89	4170803.68	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
681	609136.33	4170794.72	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
682	609132.76	4170785.76	8.60E-04	3.83E-04	1.43E-04	6.68E-05	1.05E-04	3.82E-05
683	609129.2	4170776.81	8.63E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
684	609125.64	4170767.85	8.64E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
685	609122.07	4170758.89	8.64E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
686	609111.38	4170732.02	8.56E-04	3.81E-04	1.42E-04	6.65E-05	1.05E-04	3.80E-05
687	609306.88	4170926.51	9.26E-04	4.12E-04	1.54E-04	7.20E-05	1.14E-04	4.11E-05
688	609316.73	4170926.55	9.58E-04	4.26E-04	1.59E-04	7.44E-05	1.17E-04	4.25E-05
689	609326.57	4170926.6	9.93E-04	4.42E-04	1.65E-04	7.71E-05	1.22E-04	4.41E-05
690	609336.41	4170926.64	1.03E-03	4.59E-04	1.71E-04	8.01E-05	1.26E-04	4.58E-05
691	609346.26	4170926.69	1.07E-03	4.77E-04	1.78E-04	8.33E-05	1.31E-04	4.76E-05
692	609375.79	4170926.82	1.22E-03	5.43E-04	2.03E-04	9.49E-05	1.50E-04	5.42E-05
693	609385.63	4170926.87	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
694	609395.47	4170926.91	1.34E-03	5.96E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
695	609405.32	4170926.95	1.40E-03	6.24E-04	2.33E-04	1.09E-04	1.72E-04	6.22E-05
696	609415.16	4170927	1.47E-03	6.54E-04	2.44E-04	1.14E-04	1.80E-04	6.52E-05
697	609425	4170927.04	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.89E-04	6.83E-05
698	609454.53	4170927.18	1.75E-03	7.81E-04	2.91E-04	1.36E-04	2.15E-04	7.78E-05
699	609464.38	4170927.22	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.11E-05
700	609474.22	4170927.27	1.90E-03	8.45E-04	3.15E-04	1.48E-04	2.33E-04	8.43E-05
701	609484.06	4170927.31	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.74E-05
702	609493.91	4170927.36	2.04E-03	9.08E-04	3.39E-04	1.58E-04	2.50E-04	9.05E-05
703	609503.75	4170927.4	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
704	609533.28	4170927.54	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
705	609543.12	4170927.58	2.35E-03	1.04E-03	3.90E-04	1.82E-04	2.88E-04	1.04E-04
706	609552.97	4170927.62	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
707	609562.81	4170927.67	2.44E-03	1.09E-03	4.05E-04	1.90E-04	2.99E-04	1.08E-04
708	609572.65	4170927.71	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
709	609582.5	4170927.76	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
710	609592.34	4170927.8	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
711	609298.06	4170932.79	8.67E-04	3.86E-04	1.44E-04	6.74E-05	1.06E-04	3.85E-05
712	609289.29	4170929.08	8.62E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
713	609280.52	4170925.37	8.58E-04	3.82E-04	1.42E-04	6.66E-05	1.05E-04	3.81E-05
714	609271.74	4170921.65	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.78E-05
715	609262.97	4170917.94	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
716	609254.2	4170914.23	8.43E-04	3.75E-04	1.40E-04	6.55E-05	1.03E-04	3.74E-05
717	609245.42	4170910.51	8.37E-04	3.73E-04	1.39E-04	6.50E-05	1.03E-04	3.72E-05
718	609219.1	4170899.37	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
719	609210.33	4170895.66	8.06E-04	3.59E-04	1.34E-04	6.27E-05	9.89E-05	3.58E-05
720	609201.56	4170891.94	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.76E-05	3.53E-05
721	609192.78	4170888.23	7.85E-04	3.49E-04	1.30E-04	6.10E-05	9.62E-05	3.48E-05
722	609125.99	4170793.71	8.15E-04	3.63E-04	1.35E-04	6.33E-05	9.99E-05	3.62E-05
723	609122.47	4170784.85	8.19E-04	3.64E-04	1.36E-04	6.36E-05	1.00E-04	3.64E-05
724	609118.95	4170776	8.21E-04	3.65E-04	1.36E-04	6.38E-05	1.01E-04	3.64E-05

725	609104.86	4170740.59	8.15E-04	3.63E-04	1.35E-04	6.33E-05	9.99E-05	3.62E-05
726	609101.34	4170731.74	8.12E-04	3.61E-04	1.35E-04	6.31E-05	9.95E-05	3.60E-05
727	609306.84	4170936.51	8.73E-04	3.88E-04	1.45E-04	6.78E-05	1.07E-04	3.87E-05
728	609316.68	4170936.55	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
729	609326.52	4170936.6	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
730	609336.37	4170936.64	9.67E-04	4.30E-04	1.61E-04	7.51E-05	1.19E-04	4.29E-05
731	609346.21	4170936.69	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.46E-05
732	609356.05	4170936.73	1.04E-03	4.65E-04	1.74E-04	8.12E-05	1.28E-04	4.64E-05
733	609424.96	4170937.04	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
734	609484.02	4170937.31	1.81E-03	8.06E-04	3.01E-04	1.41E-04	2.22E-04	8.04E-05
735	609493.86	4170937.36	1.88E-03	8.35E-04	3.12E-04	1.46E-04	2.30E-04	8.32E-05
736	609503.7	4170937.4	1.94E-03	8.62E-04	3.22E-04	1.51E-04	2.38E-04	8.60E-05
737	609533.23	4170937.54	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.59E-04	9.36E-05
738	609543.08	4170937.58	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
739	609552.92	4170937.62	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
740	609562.76	4170937.67	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.97E-05
741	609572.61	4170937.71	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
742	609582.45	4170937.76	2.31E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
743	609592.29	4170937.8	2.34E-03	1.04E-03	3.89E-04	1.82E-04	2.87E-04	1.04E-04
744	609298.11	4170942.83	8.19E-04	3.65E-04	1.36E-04	6.37E-05	1.00E-04	3.64E-05
745	609289.43	4170939.16	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
746	609280.75	4170935.48	8.12E-04	3.61E-04	1.35E-04	6.31E-05	9.95E-05	3.60E-05
747	609272.07	4170931.81	8.08E-04	3.60E-04	1.34E-04	6.28E-05	9.91E-05	3.59E-05
748	609263.39	4170928.14	8.04E-04	3.58E-04	1.34E-04	6.25E-05	9.86E-05	3.57E-05
749	609254.71	4170924.46	8.00E-04	3.56E-04	1.33E-04	6.22E-05	9.81E-05	3.55E-05
750	609246.03	4170920.79	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.76E-05	3.53E-05
751	609237.35	4170917.11	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
752	609202.62	4170902.42	7.64E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05
753	609147.06	4170871.61	7.07E-04	3.15E-04	1.17E-04	5.49E-05	8.67E-05	3.14E-05
754	609115.7	4170792.78	7.78E-04	3.46E-04	1.29E-04	6.05E-05	9.54E-05	3.45E-05
755	609112.21	4170784.03	7.81E-04	3.47E-04	1.30E-04	6.07E-05	9.57E-05	3.47E-05
756	609101.76	4170757.75	7.79E-04	3.47E-04	1.29E-04	6.06E-05	9.56E-05	3.46E-05
757	609098.28	4170748.99	7.77E-04	3.46E-04	1.29E-04	6.04E-05	9.53E-05	3.45E-05
758	609094.79	4170740.23	7.74E-04	3.44E-04	1.29E-04	6.01E-05	9.49E-05	3.43E-05
759	609091.31	4170731.47	7.71E-04	3.43E-04	1.28E-04	5.99E-05	9.45E-05	3.42E-05
760	609306.79	4170946.51	8.24E-04	3.67E-04	1.37E-04	6.40E-05	1.01E-04	3.66E-05
761	609316.64	4170946.55	8.50E-04	3.78E-04	1.41E-04	6.61E-05	1.04E-04	3.77E-05
762	609326.48	4170946.6	8.78E-04	3.91E-04	1.46E-04	6.82E-05	1.08E-04	3.90E-05
763	609336.32	4170946.64	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
764	609346.17	4170946.69	9.42E-04	4.19E-04	1.57E-04	7.32E-05	1.16E-04	4.18E-05
765	609356.01	4170946.73	9.79E-04	4.36E-04	1.63E-04	7.60E-05	1.20E-04	4.34E-05
766	609365.85	4170946.78	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
767	609592.25	4170947.8	2.17E-03	9.64E-04	3.60E-04	1.68E-04	2.65E-04	9.61E-05
768	609298.15	4170952.87	7.75E-04	3.45E-04	1.29E-04	6.02E-05	9.51E-05	3.44E-05
769	609289.55	4170949.23	7.72E-04	3.44E-04	1.28E-04	6.00E-05	9.47E-05	3.43E-05
770	609280.95	4170945.59	7.69E-04	3.42E-04	1.28E-04	5.98E-05	9.43E-05	3.41E-05
771	609272.36	4170941.95	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
772	609263.76	4170938.31	7.64E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05
773	609255.16	4170934.67	7.61E-04	3.39E-04	1.26E-04	5.91E-05	9.33E-05	3.38E-05
774	609246.56	4170931.03	7.58E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
775	609237.97	4170927.39	7.54E-04	3.36E-04	1.25E-04	5.86E-05	9.25E-05	3.35E-05
776	609229.37	4170923.76	7.50E-04	3.34E-04	1.25E-04	5.83E-05	9.20E-05	3.33E-05

777	609220.77	4170920.12	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
778	609169.19	4170898.28	6.97E-04	3.10E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
779	609160.59	4170894.64	6.86E-04	3.05E-04	1.14E-04	5.33E-05	8.42E-05	3.05E-05
780	609151.99	4170891	6.75E-04	3.00E-04	1.12E-04	5.24E-05	8.27E-05	3.00E-05
781	609139.94	4170878.69	6.73E-04	3.00E-04	1.12E-04	5.23E-05	8.25E-05	2.99E-05
782	609136.49	4170870.01	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
783	609133.04	4170861.34	6.92E-04	3.08E-04	1.15E-04	5.38E-05	8.48E-05	3.07E-05
784	609129.59	4170852.66	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.59E-05	3.11E-05
785	609095.08	4170765.92	7.44E-04	3.31E-04	1.24E-04	5.78E-05	9.12E-05	3.30E-05
786	609091.63	4170757.24	7.42E-04	3.30E-04	1.23E-04	5.77E-05	9.10E-05	3.29E-05
787	609088.18	4170748.57	7.39E-04	3.29E-04	1.23E-04	5.74E-05	9.06E-05	3.28E-05
788	609084.73	4170739.89	7.36E-04	3.28E-04	1.22E-04	5.72E-05	9.03E-05	3.27E-05
789	609081.28	4170731.22	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
790	609306.75	4170956.51	7.79E-04	3.47E-04	1.29E-04	6.05E-05	9.55E-05	3.46E-05
791	609316.59	4170956.55	8.03E-04	3.57E-04	1.33E-04	6.24E-05	9.84E-05	3.56E-05
792	609326.43	4170956.6	8.28E-04	3.68E-04	1.38E-04	6.43E-05	1.02E-04	3.68E-05
793	609336.28	4170956.64	8.56E-04	3.81E-04	1.42E-04	6.65E-05	1.05E-04	3.80E-05
794	609346.12	4170956.69	8.86E-04	3.94E-04	1.47E-04	6.88E-05	1.09E-04	3.93E-05
795	609355.96	4170956.73	9.19E-04	4.09E-04	1.53E-04	7.14E-05	1.13E-04	4.08E-05
796	609365.81	4170956.78	9.54E-04	4.25E-04	1.59E-04	7.42E-05	1.17E-04	4.24E-05
797	609375.65	4170956.82	9.93E-04	4.42E-04	1.65E-04	7.71E-05	1.22E-04	4.41E-05
798	609385.49	4170956.86	1.03E-03	4.60E-04	1.72E-04	8.03E-05	1.27E-04	4.59E-05
799	609395.34	4170956.91	1.08E-03	4.80E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
800	609405.18	4170956.95	1.12E-03	5.00E-04	1.87E-04	8.73E-05	1.38E-04	4.99E-05
801	609415.02	4170957	1.17E-03	5.22E-04	1.95E-04	9.11E-05	1.44E-04	5.20E-05
802	609424.87	4170957.04	1.22E-03	5.44E-04	2.03E-04	9.50E-05	1.50E-04	5.43E-05
803	609434.71	4170957.09	1.27E-03	5.67E-04	2.12E-04	9.90E-05	1.56E-04	5.66E-05
804	609444.55	4170957.13	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.89E-05
805	609454.4	4170957.18	1.38E-03	6.15E-04	2.30E-04	1.07E-04	1.70E-04	6.14E-05
806	609464.24	4170957.22	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
807	609474.08	4170957.27	1.49E-03	6.64E-04	2.48E-04	1.16E-04	1.83E-04	6.63E-05
808	609483.93	4170957.31	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
809	609493.77	4170957.36	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
810	609503.61	4170957.4	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
811	609513.46	4170957.45	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
812	609523.3	4170957.49	1.75E-03	7.81E-04	2.91E-04	1.36E-04	2.15E-04	7.79E-05
813	609533.14	4170957.53	1.80E-03	8.02E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
814	609542.99	4170957.58	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
815	609552.83	4170957.62	1.89E-03	8.39E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
816	609562.67	4170957.67	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
817	609572.52	4170957.71	1.96E-03	8.71E-04	3.25E-04	1.52E-04	2.40E-04	8.68E-05
818	609582.36	4170957.76	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
819	609592.2	4170957.8	2.01E-03	8.94E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05
820	609297.73	4170962.71	7.35E-04	3.27E-04	1.22E-04	5.71E-05	9.01E-05	3.26E-05
821	609288.76	4170958.91	7.32E-04	3.26E-04	1.22E-04	5.69E-05	8.98E-05	3.25E-05
822	609279.79	4170955.12	7.30E-04	3.25E-04	1.21E-04	5.67E-05	8.95E-05	3.24E-05
823	609270.82	4170951.32	7.28E-04	3.24E-04	1.21E-04	5.65E-05	8.92E-05	3.23E-05
824	609261.84	4170947.52	7.26E-04	3.23E-04	1.21E-04	5.64E-05	8.90E-05	3.22E-05
825	609252.87	4170943.72	7.23E-04	3.22E-04	1.20E-04	5.62E-05	8.87E-05	3.21E-05
826	609243.9	4170939.93	7.21E-04	3.21E-04	1.20E-04	5.60E-05	8.84E-05	3.20E-05
827	609234.93	4170936.13	7.18E-04	3.20E-04	1.19E-04	5.58E-05	8.80E-05	3.19E-05
828	609225.96	4170932.33	7.14E-04	3.18E-04	1.19E-04	5.55E-05	8.76E-05	3.17E-05

829	609216.99	4170928.53	7.10E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
830	609181.1	4170913.34	6.84E-04	3.05E-04	1.14E-04	5.32E-05	8.39E-05	3.04E-05
831	609172.13	4170909.55	6.75E-04	3.01E-04	1.12E-04	5.25E-05	8.28E-05	3.00E-05
832	609163.16	4170905.75	6.66E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.95E-05
833	609154.19	4170901.95	6.55E-04	2.92E-04	1.09E-04	5.09E-05	8.03E-05	2.91E-05
834	609145.22	4170898.15	6.44E-04	2.87E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
835	609132.64	4170885.31	6.42E-04	2.86E-04	1.07E-04	4.99E-05	7.87E-05	2.85E-05
836	609129.04	4170876.25	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.99E-05	2.89E-05
837	609125.44	4170867.2	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.10E-05	2.93E-05
838	609121.84	4170858.15	6.69E-04	2.98E-04	1.11E-04	5.20E-05	8.20E-05	2.97E-05
839	609111.04	4170830.99	6.91E-04	3.08E-04	1.15E-04	5.37E-05	8.48E-05	3.07E-05
840	609107.44	4170821.94	6.98E-04	3.11E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
841	609093.03	4170785.73	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.72E-05	3.16E-05
842	609089.43	4170776.68	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.72E-05	3.16E-05
843	609085.83	4170767.63	7.10E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
844	609082.23	4170758.58	7.08E-04	3.15E-04	1.18E-04	5.50E-05	8.68E-05	3.14E-05
845	609078.63	4170749.53	7.05E-04	3.14E-04	1.17E-04	5.48E-05	8.64E-05	3.13E-05
846	609075.03	4170740.47	7.02E-04	3.12E-04	1.17E-04	5.45E-05	8.60E-05	3.11E-05
847	609071.43	4170731.42	6.99E-04	3.11E-04	1.16E-04	5.43E-05	8.57E-05	3.10E-05
848	609306.7	4170966.51	7.38E-04	3.28E-04	1.23E-04	5.73E-05	9.05E-05	3.28E-05
849	609316.54	4170966.55	7.59E-04	3.38E-04	1.26E-04	5.90E-05	9.30E-05	3.37E-05
850	609326.39	4170966.6	7.82E-04	3.48E-04	1.30E-04	6.08E-05	9.59E-05	3.47E-05
851	609336.23	4170966.64	8.07E-04	3.59E-04	1.34E-04	6.27E-05	9.90E-05	3.58E-05
852	609346.07	4170966.69	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
853	609355.92	4170966.73	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
854	609365.76	4170966.78	8.97E-04	3.99E-04	1.49E-04	6.97E-05	1.10E-04	3.98E-05
855	609375.6	4170966.82	9.32E-04	4.15E-04	1.55E-04	7.24E-05	1.14E-04	4.14E-05
856	609385.45	4170966.86	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
857	609395.29	4170966.91	1.01E-03	4.49E-04	1.68E-04	7.84E-05	1.24E-04	4.48E-05
858	609405.13	4170966.95	1.05E-03	4.68E-04	1.74E-04	8.16E-05	1.29E-04	4.66E-05
859	609414.98	4170967	1.09E-03	4.87E-04	1.82E-04	8.50E-05	1.34E-04	4.86E-05
860	609424.82	4170967.04	1.14E-03	5.07E-04	1.89E-04	8.86E-05	1.40E-04	5.06E-05
861	609434.66	4170967.09	1.19E-03	5.28E-04	1.97E-04	9.23E-05	1.46E-04	5.27E-05
862	609444.51	4170967.13	1.24E-03	5.50E-04	2.05E-04	9.60E-05	1.52E-04	5.49E-05
863	609454.35	4170967.18	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
864	609464.19	4170967.22	1.34E-03	5.94E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
865	609474.04	4170967.27	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
866	609483.88	4170967.31	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
867	609493.72	4170967.36	1.49E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
868	609503.57	4170967.4	1.54E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
869	609513.41	4170967.45	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
870	609523.25	4170967.49	1.63E-03	7.24E-04	2.70E-04	1.26E-04	2.00E-04	7.23E-05
871	609533.1	4170967.53	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
872	609542.94	4170967.58	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
873	609552.78	4170967.62	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
874	609562.63	4170967.67	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
875	609572.47	4170967.71	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
876	609582.31	4170967.76	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
877	609592.16	4170967.8	1.87E-03	8.32E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
878	609297.78	4170972.75	6.97E-04	3.10E-04	1.16E-04	5.42E-05	8.55E-05	3.10E-05
879	609288.9	4170968.99	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.09E-05
880	609280.02	4170965.23	6.94E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05

881	609271.14	4170961.48	6.92E-04	3.08E-04	1.15E-04	5.38E-05	8.48E-05	3.07E-05
882	609262.27	4170957.72	6.91E-04	3.07E-04	1.15E-04	5.37E-05	8.47E-05	3.07E-05
883	609253.39	4170953.96	6.89E-04	3.07E-04	1.14E-04	5.35E-05	8.45E-05	3.06E-05
884	609244.51	4170950.2	6.87E-04	3.06E-04	1.14E-04	5.34E-05	8.43E-05	3.05E-05
885	609235.63	4170946.44	6.85E-04	3.05E-04	1.14E-04	5.33E-05	8.40E-05	3.04E-05
886	609173.49	4170920.14	6.52E-04	2.90E-04	1.08E-04	5.07E-05	7.99E-05	2.89E-05
887	609164.61	4170916.38	6.44E-04	2.86E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
888	609155.73	4170912.62	6.35E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
889	609146.85	4170908.87	6.25E-04	2.78E-04	1.04E-04	4.85E-05	7.66E-05	2.77E-05
890	609137.98	4170905.11	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
891	609125.53	4170892.39	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.52E-05	2.72E-05
892	609121.97	4170883.44	6.21E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
893	609118.41	4170874.48	6.30E-04	2.80E-04	1.05E-04	4.89E-05	7.72E-05	2.79E-05
894	609114.84	4170865.52	6.38E-04	2.84E-04	1.06E-04	4.96E-05	7.82E-05	2.83E-05
895	609104.15	4170838.65	6.59E-04	2.93E-04	1.09E-04	5.12E-05	8.08E-05	2.92E-05
896	609100.59	4170829.69	6.65E-04	2.96E-04	1.10E-04	5.17E-05	8.15E-05	2.95E-05
897	609097.03	4170820.73	6.70E-04	2.98E-04	1.11E-04	5.21E-05	8.22E-05	2.98E-05
898	609093.46	4170811.77	6.75E-04	3.00E-04	1.12E-04	5.24E-05	8.27E-05	2.99E-05
899	609082.77	4170784.9	6.81E-04	3.03E-04	1.13E-04	5.29E-05	8.34E-05	3.02E-05
900	609079.21	4170775.94	6.80E-04	3.03E-04	1.13E-04	5.28E-05	8.34E-05	3.02E-05
901	609075.64	4170766.99	6.78E-04	3.02E-04	1.13E-04	5.27E-05	8.32E-05	3.01E-05
902	609072.08	4170758.03	6.76E-04	3.01E-04	1.12E-04	5.25E-05	8.28E-05	3.00E-05
903	609068.52	4170749.07	6.73E-04	2.99E-04	1.12E-04	5.23E-05	8.25E-05	2.99E-05
904	609064.95	4170740.11	6.70E-04	2.98E-04	1.11E-04	5.20E-05	8.21E-05	2.97E-05
905	609061.39	4170731.16	6.67E-04	2.97E-04	1.11E-04	5.18E-05	8.17E-05	2.96E-05
906	609306.66	4170976.51	7.00E-04	3.12E-04	1.16E-04	5.44E-05	8.58E-05	3.11E-05
907	609316.5	4170976.55	7.19E-04	3.20E-04	1.19E-04	5.59E-05	8.81E-05	3.19E-05
908	609326.34	4170976.6	7.40E-04	3.29E-04	1.23E-04	5.75E-05	9.07E-05	3.28E-05
909	609336.19	4170976.64	7.63E-04	3.40E-04	1.27E-04	5.93E-05	9.35E-05	3.39E-05
910	609346.03	4170976.69	7.88E-04	3.51E-04	1.31E-04	6.12E-05	9.66E-05	3.50E-05
911	609355.87	4170976.73	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
912	609365.72	4170976.78	8.45E-04	3.76E-04	1.40E-04	6.56E-05	1.04E-04	3.75E-05
913	609375.56	4170976.82	8.76E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
914	609385.4	4170976.86	9.10E-04	4.05E-04	1.51E-04	7.07E-05	1.12E-04	4.04E-05
915	609395.25	4170976.91	9.46E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
916	609405.09	4170976.95	9.84E-04	4.38E-04	1.64E-04	7.65E-05	1.21E-04	4.37E-05
917	609414.93	4170977	1.02E-03	4.56E-04	1.70E-04	7.96E-05	1.26E-04	4.55E-05
918	609424.78	4170977.04	1.07E-03	4.74E-04	1.77E-04	8.28E-05	1.31E-04	4.73E-05
919	609434.62	4170977.09	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
920	609444.46	4170977.13	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
921	609454.31	4170977.18	1.20E-03	5.34E-04	1.99E-04	9.31E-05	1.47E-04	5.32E-05
922	609464.15	4170977.22	1.24E-03	5.54E-04	2.07E-04	9.67E-05	1.53E-04	5.52E-05
923	609473.99	4170977.27	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
924	609483.84	4170977.31	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
925	609493.68	4170977.36	1.38E-03	6.16E-04	2.30E-04	1.07E-04	1.70E-04	6.14E-05
926	609503.52	4170977.4	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
927	609513.37	4170977.45	1.47E-03	6.55E-04	2.45E-04	1.14E-04	1.81E-04	6.53E-05
928	609523.21	4170977.49	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
929	609533.05	4170977.53	1.56E-03	6.92E-04	2.58E-04	1.21E-04	1.91E-04	6.90E-05
930	609542.9	4170977.58	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
931	609552.74	4170977.62	1.63E-03	7.25E-04	2.71E-04	1.27E-04	2.00E-04	7.23E-05
932	609562.58	4170977.67	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05

933	609572.43	4170977.71	1.69E-03	7.53E-04	2.81E-04	1.31E-04	2.07E-04	7.51E-05
934	609582.27	4170977.76	1.72E-03	7.65E-04	2.85E-04	1.34E-04	2.11E-04	7.63E-05
935	609297.82	4170982.79	6.63E-04	2.95E-04	1.10E-04	5.15E-05	8.13E-05	2.94E-05
936	609289.02	4170979.06	6.61E-04	2.94E-04	1.10E-04	5.14E-05	8.11E-05	2.93E-05
937	609280.23	4170975.34	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.09E-05	2.93E-05
938	609271.44	4170971.62	6.59E-04	2.93E-04	1.09E-04	5.12E-05	8.08E-05	2.92E-05
939	609262.64	4170967.9	6.58E-04	2.93E-04	1.09E-04	5.11E-05	8.07E-05	2.92E-05
940	609253.85	4170964.18	6.57E-04	2.92E-04	1.09E-04	5.10E-05	8.05E-05	2.92E-05
941	609245.06	4170960.45	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
942	609201.09	4170941.84	6.44E-04	2.87E-04	1.07E-04	5.01E-05	7.90E-05	2.86E-05
943	609165.92	4170926.95	6.22E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
944	609157.12	4170923.23	6.14E-04	2.73E-04	1.02E-04	4.77E-05	7.53E-05	2.73E-05
945	609148.33	4170919.51	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
946	609139.54	4170915.79	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
947	609130.74	4170912.07	5.88E-04	2.62E-04	9.76E-05	4.57E-05	7.21E-05	2.61E-05
948	609118.42	4170899.47	5.86E-04	2.61E-04	9.74E-05	4.55E-05	7.19E-05	2.60E-05
949	609114.89	4170890.6	5.94E-04	2.64E-04	9.86E-05	4.61E-05	7.28E-05	2.64E-05
950	609111.36	4170881.73	6.01E-04	2.68E-04	9.99E-05	4.67E-05	7.37E-05	2.67E-05
951	609107.83	4170872.86	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.46E-05	2.70E-05
952	609093.71	4170837.37	6.34E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
953	609090.18	4170828.49	6.40E-04	2.85E-04	1.06E-04	4.97E-05	7.85E-05	2.84E-05
954	609086.65	4170819.62	6.44E-04	2.87E-04	1.07E-04	5.01E-05	7.90E-05	2.86E-05
955	609083.12	4170810.75	6.48E-04	2.88E-04	1.08E-04	5.03E-05	7.94E-05	2.88E-05
956	609069.01	4170775.26	6.50E-04	2.89E-04	1.08E-04	5.05E-05	7.97E-05	2.89E-05
957	609065.48	4170766.39	6.49E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
958	609061.95	4170757.52	6.46E-04	2.87E-04	1.07E-04	5.02E-05	7.92E-05	2.87E-05
959	609058.42	4170748.64	6.43E-04	2.86E-04	1.07E-04	4.99E-05	7.88E-05	2.85E-05
960	609054.89	4170739.77	6.40E-04	2.85E-04	1.06E-04	4.97E-05	7.84E-05	2.84E-05
961	609051.36	4170730.9	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
962	609306.61	4170986.51	6.65E-04	2.96E-04	1.10E-04	5.17E-05	8.15E-05	2.95E-05
963	609316.45	4170986.55	6.82E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
964	609326.3	4170986.6	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.60E-05	3.11E-05
965	609336.14	4170986.64	7.22E-04	3.21E-04	1.20E-04	5.61E-05	8.86E-05	3.21E-05
966	609345.98	4170986.69	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
967	609355.83	4170986.73	7.70E-04	3.43E-04	1.28E-04	5.98E-05	9.44E-05	3.42E-05
968	609365.67	4170986.78	7.97E-04	3.55E-04	1.32E-04	6.19E-05	9.77E-05	3.54E-05
969	609375.51	4170986.82	8.26E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
970	609385.36	4170986.86	8.57E-04	3.81E-04	1.42E-04	6.66E-05	1.05E-04	3.80E-05
971	609395.2	4170986.91	8.90E-04	3.96E-04	1.48E-04	6.91E-05	1.09E-04	3.95E-05
972	609405.04	4170986.95	9.25E-04	4.12E-04	1.54E-04	7.19E-05	1.13E-04	4.10E-05
973	609414.89	4170987	9.61E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.27E-05
974	609424.73	4170987.04	9.99E-04	4.45E-04	1.66E-04	7.77E-05	1.23E-04	4.44E-05
975	609434.57	4170987.09	1.04E-03	4.62E-04	1.73E-04	8.07E-05	1.27E-04	4.61E-05
976	609444.42	4170987.13	1.08E-03	4.80E-04	1.79E-04	8.39E-05	1.32E-04	4.79E-05
977	609454.26	4170987.18	1.12E-03	4.99E-04	1.86E-04	8.71E-05	1.37E-04	4.98E-05
978	609464.1	4170987.22	1.16E-03	5.18E-04	1.93E-04	9.04E-05	1.43E-04	5.16E-05
979	609473.95	4170987.27	1.21E-03	5.36E-04	2.00E-04	9.37E-05	1.48E-04	5.35E-05
980	609483.79	4170987.31	1.25E-03	5.56E-04	2.07E-04	9.70E-05	1.53E-04	5.54E-05
981	609493.63	4170987.36	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
982	609503.48	4170987.4	1.33E-03	5.93E-04	2.21E-04	1.04E-04	1.63E-04	5.91E-05
983	609513.32	4170987.45	1.37E-03	6.11E-04	2.28E-04	1.07E-04	1.68E-04	6.09E-05
984	609523.16	4170987.49	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.27E-05

985	609533.01	4170987.53	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
986	609542.85	4170987.58	1.49E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
987	609552.69	4170987.62	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.75E-05
988	609562.54	4170987.67	1.55E-03	6.90E-04	2.58E-04	1.21E-04	1.90E-04	6.88E-05
989	609572.38	4170987.71	1.58E-03	7.03E-04	2.62E-04	1.23E-04	1.94E-04	7.01E-05
990	609582.22	4170987.76	1.60E-03	7.14E-04	2.67E-04	1.25E-04	1.97E-04	7.12E-05
991	609297.85	4170992.82	6.31E-04	2.81E-04	1.05E-04	4.90E-05	7.73E-05	2.80E-05
992	609289.13	4170989.13	6.29E-04	2.80E-04	1.05E-04	4.89E-05	7.72E-05	2.79E-05
993	609280.42	4170985.44	6.28E-04	2.80E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
994	609271.7	4170981.75	6.28E-04	2.79E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
995	609262.98	4170978.06	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.69E-05	2.78E-05
996	609254.27	4170974.37	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.68E-05	2.78E-05
997	609210.68	4170955.92	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.75E-05
998	609201.97	4170952.23	6.18E-04	2.75E-04	1.03E-04	4.80E-05	7.58E-05	2.74E-05
999	609193.25	4170948.54	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
1000	609158.39	4170933.79	5.94E-04	2.64E-04	9.87E-05	4.62E-05	7.28E-05	2.64E-05
1001	609149.67	4170930.1	5.87E-04	2.61E-04	9.75E-05	4.56E-05	7.20E-05	2.61E-05
1002	609140.95	4170926.41	5.80E-04	2.58E-04	9.63E-05	4.50E-05	7.11E-05	2.57E-05
1003	609132.24	4170922.72	5.72E-04	2.54E-04	9.49E-05	4.44E-05	7.01E-05	2.54E-05
1004	609123.52	4170919.03	5.63E-04	2.51E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05
1005	609111.3	4170906.54	5.61E-04	2.50E-04	9.33E-05	4.36E-05	6.88E-05	2.49E-05
1006	609107.81	4170897.75	5.69E-04	2.53E-04	9.44E-05	4.42E-05	6.97E-05	2.52E-05
1007	609104.31	4170888.95	5.75E-04	2.56E-04	9.56E-05	4.47E-05	7.05E-05	2.55E-05
1008	609100.81	4170880.16	5.82E-04	2.59E-04	9.67E-05	4.52E-05	7.14E-05	2.58E-05
1009	609086.81	4170844.98	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
1010	609083.31	4170836.19	6.11E-04	2.72E-04	1.02E-04	4.75E-05	7.49E-05	2.71E-05
1011	609079.82	4170827.39	6.16E-04	2.74E-04	1.02E-04	4.79E-05	7.55E-05	2.73E-05
1012	609076.32	4170818.6	6.20E-04	2.76E-04	1.03E-04	4.81E-05	7.60E-05	2.75E-05
1013	609072.82	4170809.8	6.22E-04	2.77E-04	1.03E-04	4.83E-05	7.63E-05	2.76E-05
1014	609069.32	4170801.01	6.24E-04	2.78E-04	1.04E-04	4.85E-05	7.65E-05	2.77E-05
1015	609058.82	4170774.62	6.23E-04	2.77E-04	1.03E-04	4.84E-05	7.63E-05	2.76E-05
1016	609055.32	4170765.83	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.76E-05
1017	609051.83	4170757.03	6.18E-04	2.75E-04	1.03E-04	4.80E-05	7.58E-05	2.74E-05
1018	609048.33	4170748.24	6.15E-04	2.74E-04	1.02E-04	4.78E-05	7.54E-05	2.73E-05
1019	609044.83	4170739.44	6.12E-04	2.72E-04	1.02E-04	4.75E-05	7.50E-05	2.72E-05
1020	609041.33	4170730.65	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.47E-05	2.70E-05
1021	609306.56	4170996.51	6.33E-04	2.82E-04	1.05E-04	4.92E-05	7.76E-05	2.81E-05
1022	609316.41	4170996.55	6.49E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
1023	609326.25	4170996.6	6.66E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.96E-05
1024	609336.09	4170996.64	6.85E-04	3.05E-04	1.14E-04	5.32E-05	8.40E-05	3.04E-05
1025	609345.94	4170996.69	7.06E-04	3.14E-04	1.17E-04	5.48E-05	8.65E-05	3.13E-05
1026	609355.78	4170996.73	7.29E-04	3.24E-04	1.21E-04	5.66E-05	8.93E-05	3.23E-05
1027	609365.62	4170996.78	7.53E-04	3.35E-04	1.25E-04	5.85E-05	9.24E-05	3.34E-05
1028	609375.47	4170996.82	7.80E-04	3.47E-04	1.30E-04	6.06E-05	9.56E-05	3.46E-05
1029	609385.31	4170996.86	8.09E-04	3.60E-04	1.34E-04	6.28E-05	9.92E-05	3.59E-05
1030	609395.15	4170996.91	8.39E-04	3.73E-04	1.39E-04	6.52E-05	1.03E-04	3.72E-05
1031	609405	4170996.95	8.71E-04	3.88E-04	1.45E-04	6.77E-05	1.07E-04	3.86E-05
1032	609414.84	4170997	9.04E-04	4.02E-04	1.50E-04	7.03E-05	1.11E-04	4.01E-05
1033	609424.68	4170997.04	9.39E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
1034	609434.53	4170997.09	9.75E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
1035	609444.37	4170997.13	1.01E-03	4.51E-04	1.68E-04	7.87E-05	1.24E-04	4.50E-05
1036	609454.21	4170997.18	1.05E-03	4.68E-04	1.75E-04	8.17E-05	1.29E-04	4.66E-05

1037	609464.06	4170997.22	1.09E-03	4.85E-04	1.81E-04	8.47E-05	1.34E-04	4.84E-05
1038	609473.9	4170997.27	1.13E-03	5.02E-04	1.87E-04	8.77E-05	1.38E-04	5.01E-05
1039	609483.74	4170997.31	1.17E-03	5.20E-04	1.94E-04	9.08E-05	1.43E-04	5.18E-05
1040	609493.59	4170997.36	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
1041	609503.43	4170997.4	1.25E-03	5.54E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
1042	609513.27	4170997.45	1.28E-03	5.71E-04	2.13E-04	9.97E-05	1.57E-04	5.70E-05
1043	609523.12	4170997.49	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
1044	609532.96	4170997.53	1.36E-03	6.04E-04	2.25E-04	1.05E-04	1.66E-04	6.02E-05
1045	609542.8	4170997.58	1.39E-03	6.18E-04	2.31E-04	1.08E-04	1.70E-04	6.17E-05
1046	609552.65	4170997.62	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.31E-05
1047	609562.49	4170997.67	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
1048	609572.33	4170997.71	1.48E-03	6.58E-04	2.45E-04	1.15E-04	1.81E-04	6.56E-05
1049	609582.18	4170997.76	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
1050	609297.48	4171002.68	6.01E-04	2.67E-04	9.98E-05	4.67E-05	7.37E-05	2.67E-05
1051	609288.44	4170998.85	6.00E-04	2.67E-04	9.96E-05	4.66E-05	7.35E-05	2.66E-05
1052	609279.4	4170995.03	5.99E-04	2.67E-04	9.95E-05	4.66E-05	7.35E-05	2.66E-05
1053	609270.36	4170991.2	5.99E-04	2.66E-04	9.94E-05	4.65E-05	7.34E-05	2.66E-05
1054	609225.17	4170972.07	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
1055	609216.13	4170968.25	5.96E-04	2.65E-04	9.89E-05	4.63E-05	7.30E-05	2.64E-05
1056	609207.09	4170964.42	5.94E-04	2.64E-04	9.87E-05	4.61E-05	7.28E-05	2.64E-05
1057	609198.05	4170960.59	5.92E-04	2.63E-04	9.83E-05	4.60E-05	7.26E-05	2.63E-05
1058	609189.01	4170956.77	5.89E-04	2.62E-04	9.78E-05	4.58E-05	7.22E-05	2.61E-05
1059	609179.97	4170952.94	5.85E-04	2.60E-04	9.72E-05	4.55E-05	7.17E-05	2.60E-05
1060	609152.85	4170941.46	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
1061	609143.81	4170937.64	5.64E-04	2.51E-04	9.36E-05	4.38E-05	6.91E-05	2.50E-05
1062	609134.77	4170933.81	5.56E-04	2.48E-04	9.24E-05	4.32E-05	6.82E-05	2.47E-05
1063	609125.73	4170929.98	5.49E-04	2.44E-04	9.11E-05	4.26E-05	6.73E-05	2.44E-05
1064	609116.69	4170926.16	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1065	609104.03	4170913.21	5.39E-04	2.40E-04	8.95E-05	4.19E-05	6.61E-05	2.39E-05
1066	609100.4	4170904.09	5.46E-04	2.43E-04	9.07E-05	4.24E-05	6.69E-05	2.42E-05
1067	609096.77	4170894.97	5.52E-04	2.46E-04	9.17E-05	4.29E-05	6.77E-05	2.45E-05
1068	609093.14	4170885.85	5.58E-04	2.49E-04	9.28E-05	4.34E-05	6.85E-05	2.48E-05
1069	609078.63	4170849.37	5.81E-04	2.59E-04	9.65E-05	4.52E-05	7.13E-05	2.58E-05
1070	609075	4170840.25	5.86E-04	2.61E-04	9.74E-05	4.56E-05	7.19E-05	2.60E-05
1071	609071.37	4170831.13	5.91E-04	2.63E-04	9.81E-05	4.59E-05	7.24E-05	2.62E-05
1072	609067.74	4170822.01	5.94E-04	2.65E-04	9.87E-05	4.62E-05	7.29E-05	2.64E-05
1073	609064.12	4170812.89	5.97E-04	2.66E-04	9.91E-05	4.64E-05	7.32E-05	2.65E-05
1074	609060.49	4170803.77	5.98E-04	2.66E-04	9.94E-05	4.65E-05	7.34E-05	2.66E-05
1075	609045.97	4170767.28	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.29E-05	2.64E-05
1076	609042.35	4170758.16	5.92E-04	2.64E-04	9.83E-05	4.60E-05	7.26E-05	2.63E-05
1077	609038.72	4170749.04	5.89E-04	2.62E-04	9.79E-05	4.58E-05	7.22E-05	2.61E-05
1078	609035.09	4170739.92	5.86E-04	2.61E-04	9.74E-05	4.56E-05	7.19E-05	2.60E-05
1079	609031.46	4170730.8	5.84E-04	2.60E-04	9.70E-05	4.54E-05	7.16E-05	2.59E-05
1080	609306.52	4171006.51	6.03E-04	2.68E-04	1.00E-04	4.68E-05	7.39E-05	2.67E-05
1081	609316.36	4171006.55	6.17E-04	2.75E-04	1.03E-04	4.80E-05	7.57E-05	2.74E-05
1082	609326.21	4171006.6	6.33E-04	2.82E-04	1.05E-04	4.92E-05	7.76E-05	2.81E-05
1083	609336.05	4171006.64	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.98E-05	2.89E-05
1084	609345.89	4171006.69	6.70E-04	2.98E-04	1.11E-04	5.20E-05	8.21E-05	2.97E-05
1085	609355.74	4171006.73	6.91E-04	3.07E-04	1.15E-04	5.37E-05	8.47E-05	3.07E-05
1086	609365.58	4171006.78	7.14E-04	3.18E-04	1.19E-04	5.54E-05	8.75E-05	3.17E-05
1087	609375.42	4171006.82	7.38E-04	3.29E-04	1.23E-04	5.74E-05	9.05E-05	3.28E-05
1088	609385.27	4171006.86	7.65E-04	3.40E-04	1.27E-04	5.94E-05	9.37E-05	3.39E-05

1089	609395.11	4171006.91	7.92E-04	3.53E-04	1.32E-04	6.16E-05	9.71E-05	3.52E-05
1090	609404.95	4171006.95	8.22E-04	3.66E-04	1.36E-04	6.38E-05	1.01E-04	3.65E-05
1091	609414.8	4171007	8.52E-04	3.79E-04	1.42E-04	6.62E-05	1.05E-04	3.78E-05
1092	609424.64	4171007.04	8.85E-04	3.94E-04	1.47E-04	6.87E-05	1.08E-04	3.93E-05
1093	609434.48	4171007.09	9.18E-04	4.09E-04	1.52E-04	7.13E-05	1.13E-04	4.07E-05
1094	609444.33	4171007.13	9.52E-04	4.24E-04	1.58E-04	7.40E-05	1.17E-04	4.23E-05
1095	609454.17	4171007.18	9.87E-04	4.39E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
1096	609464.01	4171007.22	1.02E-03	4.55E-04	1.70E-04	7.95E-05	1.25E-04	4.54E-05
1097	609473.86	4171007.27	1.06E-03	4.71E-04	1.76E-04	8.23E-05	1.30E-04	4.70E-05
1098	609483.7	4171007.31	1.10E-03	4.88E-04	1.82E-04	8.51E-05	1.34E-04	4.86E-05
1099	609493.54	4171007.36	1.13E-03	5.04E-04	1.88E-04	8.79E-05	1.39E-04	5.02E-05
1100	609503.39	4171007.4	1.17E-03	5.20E-04	1.94E-04	9.07E-05	1.43E-04	5.18E-05
1101	609513.23	4171007.45	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
1102	609523.07	4171007.49	1.24E-03	5.51E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
1103	609532.92	4171007.53	1.27E-03	5.65E-04	2.11E-04	9.87E-05	1.56E-04	5.64E-05
1104	609542.76	4171007.58	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
1105	609552.6	4171007.62	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
1106	609562.45	4171007.67	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
1107	609572.29	4171007.71	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
1108	609582.13	4171007.76	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
1109	609297.52	4171012.72	5.73E-04	2.55E-04	9.52E-05	4.46E-05	7.03E-05	2.55E-05
1110	609288.56	4171008.93	5.72E-04	2.55E-04	9.51E-05	4.45E-05	7.02E-05	2.54E-05
1111	609279.61	4171005.14	5.72E-04	2.55E-04	9.50E-05	4.44E-05	7.01E-05	2.54E-05
1112	609234.83	4170986.18	5.72E-04	2.54E-04	9.49E-05	4.44E-05	7.01E-05	2.54E-05
1113	609225.88	4170982.39	5.71E-04	2.54E-04	9.49E-05	4.44E-05	7.00E-05	2.54E-05
1114	609216.92	4170978.6	5.71E-04	2.54E-04	9.48E-05	4.43E-05	7.00E-05	2.53E-05
1115	609207.97	4170974.81	5.69E-04	2.53E-04	9.46E-05	4.43E-05	6.98E-05	2.53E-05
1116	609199.01	4170971.02	5.68E-04	2.53E-04	9.44E-05	4.41E-05	6.97E-05	2.52E-05
1117	609190.06	4170967.23	5.66E-04	2.52E-04	9.41E-05	4.40E-05	6.94E-05	2.51E-05
1118	609181.1	4170963.44	5.64E-04	2.51E-04	9.36E-05	4.38E-05	6.91E-05	2.50E-05
1119	609172.15	4170959.65	5.60E-04	2.49E-04	9.31E-05	4.35E-05	6.87E-05	2.49E-05
1120	609145.28	4170948.28	5.46E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1121	609136.33	4170944.49	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1122	609127.37	4170940.7	5.34E-04	2.38E-04	8.87E-05	4.15E-05	6.55E-05	2.37E-05
1123	609118.42	4170936.91	5.27E-04	2.34E-04	8.75E-05	4.09E-05	6.46E-05	2.34E-05
1124	609109.46	4170933.12	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05
1125	609096.91	4170920.29	5.18E-04	2.30E-04	8.60E-05	4.02E-05	6.35E-05	2.30E-05
1126	609093.32	4170911.25	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.33E-05
1127	609089.72	4170902.22	5.30E-04	2.36E-04	8.80E-05	4.12E-05	6.50E-05	2.35E-05
1128	609086.13	4170893.18	5.36E-04	2.38E-04	8.90E-05	4.16E-05	6.57E-05	2.38E-05
1129	609082.53	4170884.15	5.41E-04	2.41E-04	8.99E-05	4.21E-05	6.64E-05	2.40E-05
1130	609071.75	4170857.04	5.57E-04	2.48E-04	9.25E-05	4.32E-05	6.82E-05	2.47E-05
1131	609068.16	4170848.01	5.61E-04	2.50E-04	9.33E-05	4.36E-05	6.88E-05	2.49E-05
1132	609064.56	4170838.97	5.66E-04	2.52E-04	9.40E-05	4.40E-05	6.94E-05	2.51E-05
1133	609060.97	4170829.93	5.69E-04	2.53E-04	9.46E-05	4.42E-05	6.98E-05	2.53E-05
1134	609057.37	4170820.9	5.72E-04	2.55E-04	9.51E-05	4.45E-05	7.02E-05	2.54E-05
1135	609053.78	4170811.86	5.74E-04	2.56E-04	9.54E-05	4.46E-05	7.04E-05	2.55E-05
1136	609050.18	4170802.83	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1137	609046.59	4170793.79	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1138	609035.81	4170766.69	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
1139	609032.21	4170757.65	5.67E-04	2.53E-04	9.43E-05	4.41E-05	6.96E-05	2.52E-05
1140	609028.62	4170748.62	5.65E-04	2.51E-04	9.38E-05	4.39E-05	6.92E-05	2.51E-05

1141	609025.02	4170739.58	5.62E-04	2.50E-04	9.34E-05	4.37E-05	6.89E-05	2.49E-05
1142	609021.43	4170730.54	5.60E-04	2.49E-04	9.30E-05	4.35E-05	6.86E-05	2.48E-05
1143	609306.47	4171016.51	5.75E-04	2.56E-04	9.55E-05	4.47E-05	7.05E-05	2.55E-05
1144	609316.32	4171016.55	5.88E-04	2.62E-04	9.77E-05	4.57E-05	7.21E-05	2.61E-05
1145	609326.16	4171016.6	6.03E-04	2.68E-04	1.00E-04	4.69E-05	7.39E-05	2.68E-05
1146	609336	4171016.64	6.19E-04	2.76E-04	1.03E-04	4.81E-05	7.59E-05	2.75E-05
1147	609345.85	4171016.69	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
1148	609355.69	4171016.73	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
1149	609244.28	4171000.2	5.47E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1150	609235.41	4170996.44	5.47E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1151	609226.53	4170992.69	5.47E-04	2.43E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
1152	609217.65	4170988.93	5.47E-04	2.43E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
1153	609208.77	4170985.17	5.46E-04	2.43E-04	9.08E-05	4.25E-05	6.70E-05	2.43E-05
1154	609199.89	4170981.41	5.46E-04	2.43E-04	9.06E-05	4.24E-05	6.69E-05	2.42E-05
1155	609191.02	4170977.66	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.68E-05	2.42E-05
1156	609182.14	4170973.9	5.43E-04	2.42E-04	9.02E-05	4.22E-05	6.65E-05	2.41E-05
1157	609173.26	4170970.14	5.40E-04	2.41E-04	8.98E-05	4.20E-05	6.63E-05	2.40E-05
1158	609164.38	4170966.38	5.37E-04	2.39E-04	8.93E-05	4.18E-05	6.59E-05	2.39E-05
1159	609137.75	4170955.11	5.25E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1160	609128.87	4170951.35	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05
1161	609119.99	4170947.59	5.13E-04	2.28E-04	8.52E-05	3.98E-05	6.29E-05	2.28E-05
1162	609111.12	4170943.83	5.06E-04	2.25E-04	8.41E-05	3.93E-05	6.21E-05	2.25E-05
1163	609102.24	4170940.08	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.22E-05
1164	609089.8	4170927.36	4.98E-04	2.22E-04	8.27E-05	3.87E-05	6.10E-05	2.21E-05
1165	609086.23	4170918.4	5.04E-04	2.24E-04	8.36E-05	3.91E-05	6.17E-05	2.23E-05
1166	609082.67	4170909.45	5.09E-04	2.27E-04	8.46E-05	3.96E-05	6.24E-05	2.26E-05
1167	609079.11	4170900.49	5.14E-04	2.29E-04	8.54E-05	4.00E-05	6.31E-05	2.28E-05
1168	609075.54	4170891.53	5.20E-04	2.31E-04	8.63E-05	4.04E-05	6.37E-05	2.31E-05
1169	609064.85	4170864.66	5.34E-04	2.38E-04	8.87E-05	4.15E-05	6.55E-05	2.37E-05
1170	609061.29	4170855.7	5.38E-04	2.40E-04	8.94E-05	4.18E-05	6.60E-05	2.39E-05
1171	609057.72	4170846.74	5.42E-04	2.41E-04	9.01E-05	4.22E-05	6.65E-05	2.41E-05
1172	609054.16	4170837.79	5.46E-04	2.43E-04	9.07E-05	4.24E-05	6.70E-05	2.42E-05
1173	609050.6	4170828.83	5.49E-04	2.44E-04	9.12E-05	4.27E-05	6.73E-05	2.44E-05
1174	609047.03	4170819.87	5.51E-04	2.45E-04	9.16E-05	4.29E-05	6.76E-05	2.45E-05
1175	609043.47	4170810.91	5.53E-04	2.46E-04	9.18E-05	4.30E-05	6.78E-05	2.45E-05
1176	609039.91	4170801.95	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.79E-05	2.46E-05
1177	609036.34	4170793	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.78E-05	2.45E-05
1178	609022.09	4170757.17	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.68E-05	2.42E-05
1179	609018.53	4170748.21	5.42E-04	2.41E-04	9.00E-05	4.21E-05	6.65E-05	2.41E-05
1180	609014.96	4170739.25	5.40E-04	2.40E-04	8.96E-05	4.19E-05	6.62E-05	2.39E-05
1181	609011.4	4170730.29	5.37E-04	2.39E-04	8.93E-05	4.18E-05	6.59E-05	2.39E-05
1182	609253.54	4171014.14	5.23E-04	2.33E-04	8.68E-05	4.06E-05	6.41E-05	2.32E-05
1183	609244.74	4171010.41	5.23E-04	2.33E-04	8.69E-05	4.07E-05	6.42E-05	2.32E-05
1184	609235.93	4171006.68	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.32E-05
1185	609227.12	4171002.96	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.43E-05	2.33E-05
1186	609218.31	4170999.23	5.24E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1187	609209.51	4170995.5	5.25E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1188	609200.7	4170991.77	5.24E-04	2.33E-04	8.71E-05	4.07E-05	6.43E-05	2.33E-05
1189	609191.89	4170988.05	5.24E-04	2.33E-04	8.70E-05	4.07E-05	6.42E-05	2.32E-05
1190	609183.09	4170984.32	5.23E-04	2.33E-04	8.68E-05	4.06E-05	6.41E-05	2.32E-05
1191	609174.28	4170980.59	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1192	609165.47	4170976.86	5.19E-04	2.31E-04	8.62E-05	4.03E-05	6.36E-05	2.30E-05

1193	609156.67	4170973.13	5.16E-04	2.30E-04	8.57E-05	4.01E-05	6.33E-05	2.29E-05
1194	609130.25	4170961.95	5.04E-04	2.24E-04	8.37E-05	3.92E-05	6.18E-05	2.24E-05
1195	609121.44	4170958.22	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.21E-05
1196	609112.63	4170954.5	4.93E-04	2.20E-04	8.19E-05	3.83E-05	6.05E-05	2.19E-05
1197	609103.83	4170950.77	4.87E-04	2.17E-04	8.09E-05	3.78E-05	5.97E-05	2.16E-05
1198	609095.02	4170947.04	4.80E-04	2.14E-04	7.98E-05	3.73E-05	5.89E-05	2.13E-05
1199	609082.68	4170934.43	4.79E-04	2.13E-04	7.96E-05	3.72E-05	5.87E-05	2.13E-05
1200	609079.14	4170925.54	4.84E-04	2.16E-04	8.05E-05	3.76E-05	5.94E-05	2.15E-05
1201	609075.61	4170916.65	4.90E-04	2.18E-04	8.13E-05	3.80E-05	6.00E-05	2.17E-05
1202	609072.07	4170907.77	4.95E-04	2.20E-04	8.22E-05	3.84E-05	6.06E-05	2.20E-05
1203	609068.54	4170898.88	4.99E-04	2.22E-04	8.29E-05	3.88E-05	6.12E-05	2.22E-05
1204	609057.93	4170872.22	5.13E-04	2.28E-04	8.52E-05	3.98E-05	6.29E-05	2.28E-05
1205	609054.4	4170863.34	5.17E-04	2.30E-04	8.59E-05	4.02E-05	6.34E-05	2.29E-05
1206	609050.86	4170854.45	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1207	609047.33	4170845.57	5.24E-04	2.33E-04	8.71E-05	4.08E-05	6.43E-05	2.33E-05
1208	609043.79	4170836.68	5.28E-04	2.35E-04	8.76E-05	4.10E-05	6.47E-05	2.34E-05
1209	609040.26	4170827.8	5.30E-04	2.36E-04	8.81E-05	4.12E-05	6.50E-05	2.35E-05
1210	609036.72	4170818.91	5.32E-04	2.37E-04	8.84E-05	4.13E-05	6.52E-05	2.36E-05
1211	609033.19	4170810.02	5.33E-04	2.37E-04	8.85E-05	4.14E-05	6.53E-05	2.37E-05
1212	609029.65	4170801.14	5.33E-04	2.37E-04	8.85E-05	4.14E-05	6.53E-05	2.37E-05
1213	609026.12	4170792.25	5.32E-04	2.37E-04	8.84E-05	4.13E-05	6.52E-05	2.36E-05
1214	609022.58	4170783.37	5.31E-04	2.36E-04	8.81E-05	4.12E-05	6.50E-05	2.35E-05
1215	609011.98	4170756.71	5.23E-04	2.33E-04	8.69E-05	4.07E-05	6.42E-05	2.32E-05
1216	609008.44	4170747.82	5.21E-04	2.32E-04	8.65E-05	4.05E-05	6.39E-05	2.31E-05
1217	609630.09	4170735.29	2.36E-02	1.05E-02	3.92E-03	1.83E-03	2.89E-03	1.05E-03
1218	609633.23	4170718.86	2.84E-02	1.27E-02	4.72E-03	2.21E-03	3.49E-03	1.26E-03
1219	609633.37	4170709.42	3.14E-02	1.40E-02	5.22E-03	2.44E-03	3.86E-03	1.40E-03
1220	609633.51	4170699.98	3.37E-02	1.50E-02	5.61E-03	2.62E-03	4.14E-03	1.50E-03
1221	609633.65	4170690.54	3.52E-02	1.57E-02	5.84E-03	2.73E-03	4.31E-03	1.56E-03
1222	609633.8	4170681.1	3.57E-02	1.59E-02	5.93E-03	2.78E-03	4.38E-03	1.59E-03
1223	609633.94	4170671.66	3.54E-02	1.58E-02	5.88E-03	2.75E-03	4.34E-03	1.57E-03
1224	609634.08	4170662.22	3.43E-02	1.53E-02	5.70E-03	2.67E-03	4.21E-03	1.52E-03
1225	609634.22	4170652.78	3.24E-02	1.44E-02	5.39E-03	2.52E-03	3.98E-03	1.44E-03
1226	609634.36	4170643.34	2.98E-02	1.33E-02	4.95E-03	2.32E-03	3.66E-03	1.32E-03
1227	609634.5	4170633.9	2.66E-02	1.18E-02	4.42E-03	2.07E-03	3.26E-03	1.18E-03
1228	609634.65	4170624.46	2.30E-02	1.02E-02	3.82E-03	1.79E-03	2.82E-03	1.02E-03
1229	609640.09	4170735.44	2.03E-02	9.03E-03	3.37E-03	1.58E-03	2.49E-03	9.00E-04
1230	609634.09	4170749.42	1.78E-02	7.93E-03	2.96E-03	1.39E-03	2.19E-03	7.91E-04
1231	609643.23	4170719.01	2.36E-02	1.05E-02	3.91E-03	1.83E-03	2.89E-03	1.05E-03
1232	609643.37	4170709.57	2.57E-02	1.14E-02	4.26E-03	1.99E-03	3.15E-03	1.14E-03
1233	609643.51	4170700.13	2.73E-02	1.22E-02	4.54E-03	2.12E-03	3.35E-03	1.21E-03
1234	609643.65	4170690.69	2.84E-02	1.26E-02	4.71E-03	2.21E-03	3.48E-03	1.26E-03
1235	609643.79	4170681.25	2.88E-02	1.28E-02	4.79E-03	2.24E-03	3.53E-03	1.28E-03
1236	609643.94	4170671.81	2.86E-02	1.27E-02	4.75E-03	2.22E-03	3.51E-03	1.27E-03
1237	609644.08	4170662.37	2.78E-02	1.24E-02	4.62E-03	2.16E-03	3.41E-03	1.23E-03
1238	609644.22	4170652.93	2.64E-02	1.18E-02	4.39E-03	2.05E-03	3.24E-03	1.17E-03
1239	609644.36	4170643.49	2.45E-02	1.09E-02	4.07E-03	1.91E-03	3.01E-03	1.09E-03
1240	609644.5	4170634.05	2.22E-02	9.89E-03	3.69E-03	1.73E-03	2.72E-03	9.86E-04
1241	609644.65	4170624.61	1.97E-02	8.75E-03	3.26E-03	1.53E-03	2.41E-03	8.72E-04
1242	609650.09	4170735.59	1.76E-02	7.84E-03	2.92E-03	1.37E-03	2.16E-03	7.81E-04
1243	609644.09	4170749.57	1.59E-02	7.07E-03	2.64E-03	1.24E-03	1.95E-03	7.06E-04
1244	609631.05	4170766.41	1.41E-02	6.28E-03	2.34E-03	1.10E-03	1.73E-03	6.26E-04

1245	609653.23	4170719.16	1.99E-02	8.87E-03	3.31E-03	1.55E-03	2.44E-03	8.85E-04
1246	609653.37	4170709.72	2.14E-02	9.54E-03	3.56E-03	1.67E-03	2.63E-03	9.52E-04
1247	609653.51	4170700.28	2.26E-02	1.01E-02	3.76E-03	1.76E-03	2.78E-03	1.01E-03
1248	609653.65	4170690.84	2.34E-02	1.04E-02	3.89E-03	1.82E-03	2.87E-03	1.04E-03
1249	609653.79	4170681.4	2.38E-02	1.06E-02	3.95E-03	1.85E-03	2.92E-03	1.06E-03
1250	609653.94	4170671.96	2.37E-02	1.05E-02	3.93E-03	1.84E-03	2.90E-03	1.05E-03
1251	609654.08	4170662.52	2.31E-02	1.03E-02	3.83E-03	1.79E-03	2.83E-03	1.02E-03
1252	609654.22	4170653.08	2.21E-02	9.82E-03	3.67E-03	1.71E-03	2.71E-03	9.79E-04
1253	609654.36	4170643.64	2.07E-02	9.20E-03	3.43E-03	1.61E-03	2.53E-03	9.17E-04
1254	609654.5	4170634.2	1.90E-02	8.44E-03	3.15E-03	1.47E-03	2.33E-03	8.42E-04
1255	609654.64	4170624.76	1.71E-02	7.59E-03	2.83E-03	1.33E-03	2.09E-03	7.57E-04
1256	609659.49	4170737.14	1.53E-02	6.81E-03	2.54E-03	1.19E-03	1.88E-03	6.80E-04
1257	609655.89	4170745.53	1.46E-02	6.50E-03	2.43E-03	1.13E-03	1.79E-03	6.48E-04
1258	609652.29	4170753.91	1.38E-02	6.13E-03	2.29E-03	1.07E-03	1.69E-03	6.11E-04
1259	609648.7	4170762.3	1.28E-02	5.72E-03	2.13E-03	9.98E-04	1.58E-03	5.70E-04
1260	609636.64	4170774.12	1.21E-02	5.39E-03	2.01E-03	9.41E-04	1.48E-03	5.38E-04
1261	609628.19	4170777.55	1.22E-02	5.43E-03	2.03E-03	9.48E-04	1.50E-03	5.41E-04
1262	609663.08	4170728.75	1.58E-02	7.05E-03	2.63E-03	1.23E-03	1.94E-03	7.03E-04
1263	609663.23	4170719.31	1.71E-02	7.62E-03	2.84E-03	1.33E-03	2.10E-03	7.60E-04
1264	609663.37	4170709.87	1.82E-02	8.12E-03	3.03E-03	1.42E-03	2.24E-03	8.10E-04
1265	609663.51	4170700.43	1.91E-02	8.52E-03	3.18E-03	1.49E-03	2.35E-03	8.50E-04
1266	609663.65	4170690.99	1.98E-02	8.79E-03	3.28E-03	1.53E-03	2.42E-03	8.77E-04
1267	609663.79	4170681.55	2.00E-02	8.91E-03	3.33E-03	1.56E-03	2.46E-03	8.89E-04
1268	609663.93	4170672.11	2.00E-02	8.88E-03	3.31E-03	1.55E-03	2.45E-03	8.86E-04
1269	609664.08	4170662.67	1.95E-02	8.69E-03	3.24E-03	1.52E-03	2.39E-03	8.67E-04
1270	609664.22	4170653.23	1.88E-02	8.35E-03	3.12E-03	1.46E-03	2.30E-03	8.33E-04
1271	609664.36	4170643.79	1.77E-02	7.89E-03	2.94E-03	1.38E-03	2.17E-03	7.87E-04
1272	609664.5	4170634.35	1.64E-02	7.31E-03	2.73E-03	1.28E-03	2.01E-03	7.29E-04
1273	609664.64	4170624.91	1.50E-02	6.67E-03	2.49E-03	1.16E-03	1.84E-03	6.65E-04
1274	609669.59	4170737.06	1.35E-02	6.03E-03	2.25E-03	1.05E-03	1.66E-03	6.01E-04
1275	609662.59	4170753.37	1.25E-02	5.54E-03	2.07E-03	9.68E-04	1.53E-03	5.53E-04
1276	609655.6	4170769.67	1.11E-02	4.93E-03	1.84E-03	8.60E-04	1.36E-03	4.91E-04
1277	609643.88	4170781.17	1.05E-02	4.67E-03	1.74E-03	8.16E-04	1.29E-03	4.66E-04
1278	609627.44	4170787.84	1.06E-02	4.71E-03	1.76E-03	8.23E-04	1.30E-03	4.70E-04
1279	609673.22	4170719.46	1.49E-02	6.62E-03	2.47E-03	1.16E-03	1.82E-03	6.60E-04
1280	609673.37	4170710.02	1.57E-02	7.00E-03	2.61E-03	1.22E-03	1.93E-03	6.99E-04
1281	609673.51	4170700.58	1.64E-02	7.31E-03	2.73E-03	1.28E-03	2.01E-03	7.29E-04
1282	609673.65	4170691.14	1.69E-02	7.52E-03	2.81E-03	1.31E-03	2.07E-03	7.50E-04
1283	609673.79	4170681.7	1.71E-02	7.62E-03	2.84E-03	1.33E-03	2.10E-03	7.60E-04
1284	609673.93	4170672.26	1.71E-02	7.60E-03	2.84E-03	1.33E-03	2.09E-03	7.58E-04
1285	609674.07	4170662.82	1.68E-02	7.46E-03	2.79E-03	1.30E-03	2.06E-03	7.44E-04
1286	609674.22	4170653.38	1.62E-02	7.21E-03	2.69E-03	1.26E-03	1.99E-03	7.19E-04
1287	609674.36	4170643.94	1.54E-02	6.85E-03	2.56E-03	1.20E-03	1.89E-03	6.84E-04
1288	609674.5	4170634.5	1.44E-02	6.41E-03	2.39E-03	1.12E-03	1.77E-03	6.40E-04
1289	609674.64	4170625.06	1.33E-02	5.91E-03	2.21E-03	1.03E-03	1.63E-03	5.89E-04
1290	609679.66	4170737.04	1.20E-02	5.36E-03	2.00E-03	9.36E-04	1.48E-03	5.35E-04
1291	609672.8	4170753.02	1.13E-02	5.02E-03	1.87E-03	8.76E-04	1.38E-03	5.00E-04
1292	609665.95	4170768.99	1.02E-02	4.55E-03	1.70E-03	7.95E-04	1.25E-03	4.54E-04
1293	609651.05	4170788.24	9.21E-03	4.10E-03	1.53E-03	7.16E-04	1.13E-03	4.09E-04
1294	609634.94	4170794.77	9.31E-03	4.14E-03	1.55E-03	7.24E-04	1.14E-03	4.13E-04
1295	609683.22	4170719.61	1.31E-02	5.81E-03	2.17E-03	1.01E-03	1.60E-03	5.80E-04
1296	609683.36	4170710.17	1.37E-02	6.11E-03	2.28E-03	1.07E-03	1.68E-03	6.10E-04

1297	609683.51	4170700.73	1.43E-02	6.35E-03	2.37E-03	1.11E-03	1.75E-03	6.34E-04
1298	609683.65	4170691.29	1.46E-02	6.52E-03	2.43E-03	1.14E-03	1.80E-03	6.50E-04
1299	609683.79	4170681.85	1.48E-02	6.60E-03	2.46E-03	1.15E-03	1.82E-03	6.58E-04
1300	609683.93	4170672.41	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04
1301	609684.07	4170662.97	1.46E-02	6.49E-03	2.42E-03	1.13E-03	1.79E-03	6.47E-04
1302	609684.22	4170653.53	1.41E-02	6.29E-03	2.35E-03	1.10E-03	1.73E-03	6.28E-04
1303	609684.36	4170644.09	1.35E-02	6.02E-03	2.25E-03	1.05E-03	1.66E-03	6.00E-04
1304	609684.5	4170634.65	1.28E-02	5.68E-03	2.12E-03	9.91E-04	1.56E-03	5.66E-04
1305	609684.64	4170625.21	1.19E-02	5.28E-03	1.97E-03	9.22E-04	1.45E-03	5.27E-04
1306	609689.71	4170737.07	1.08E-02	4.80E-03	1.79E-03	8.38E-04	1.32E-03	4.79E-04
1307	609682.96	4170752.79	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.53E-04
1308	609676.22	4170768.52	9.42E-03	4.19E-03	1.56E-03	7.32E-04	1.16E-03	4.18E-04
1309	609669.48	4170784.25	8.50E-03	3.78E-03	1.41E-03	6.61E-04	1.04E-03	3.77E-04
1310	609658.18	4170795.33	8.15E-03	3.63E-03	1.35E-03	6.33E-04	9.99E-04	3.62E-04
1311	609642.32	4170801.76	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
1312	609626.47	4170808.2	8.16E-03	3.63E-03	1.36E-03	6.34E-04	1.00E-03	3.62E-04
1313	609693.22	4170719.76	1.16E-02	5.15E-03	1.92E-03	8.98E-04	1.42E-03	5.13E-04
1314	609693.36	4170710.32	1.21E-02	5.38E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
1315	609693.51	4170700.88	1.25E-02	5.57E-03	2.08E-03	9.73E-04	1.54E-03	5.56E-04
1316	609693.65	4170691.44	1.28E-02	5.71E-03	2.13E-03	9.96E-04	1.57E-03	5.69E-04
1317	609693.79	4170682	1.30E-02	5.77E-03	2.16E-03	1.01E-03	1.59E-03	5.76E-04
1318	609693.93	4170672.56	1.30E-02	5.77E-03	2.15E-03	1.01E-03	1.59E-03	5.76E-04
1319	609694.07	4170663.12	1.28E-02	5.70E-03	2.13E-03	9.95E-04	1.57E-03	5.68E-04
1320	609694.21	4170653.68	1.25E-02	5.55E-03	2.07E-03	9.69E-04	1.53E-03	5.53E-04
1321	609694.36	4170644.24	1.20E-02	5.34E-03	1.99E-03	9.32E-04	1.47E-03	5.32E-04
1322	609694.5	4170634.8	1.14E-02	5.07E-03	1.89E-03	8.84E-04	1.40E-03	5.05E-04
1323	609694.64	4170625.36	1.07E-02	4.75E-03	1.77E-03	8.29E-04	1.31E-03	4.74E-04
1324	609699.75	4170737.12	9.70E-03	4.32E-03	1.61E-03	7.54E-04	1.19E-03	4.31E-04
1325	609693.09	4170752.65	9.28E-03	4.13E-03	1.54E-03	7.21E-04	1.14E-03	4.12E-04
1326	609686.43	4170768.18	8.67E-03	3.86E-03	1.44E-03	6.74E-04	1.06E-03	3.85E-04
1327	609679.77	4170783.72	7.94E-03	3.54E-03	1.32E-03	6.17E-04	9.74E-04	3.53E-04
1328	609665.28	4170802.43	7.26E-03	3.23E-03	1.21E-03	5.64E-04	8.91E-04	3.22E-04
1329	609649.62	4170808.78	7.37E-03	3.28E-03	1.22E-03	5.72E-04	9.03E-04	3.27E-04
1330	609633.96	4170815.14	7.32E-03	3.26E-03	1.22E-03	5.68E-04	8.97E-04	3.25E-04
1331	609703.22	4170719.91	1.03E-02	4.59E-03	1.71E-03	8.01E-04	1.26E-03	4.58E-04
1332	609703.36	4170710.47	1.07E-02	4.78E-03	1.78E-03	8.34E-04	1.32E-03	4.76E-04
1333	609703.5	4170701.03	1.11E-02	4.93E-03	1.84E-03	8.61E-04	1.36E-03	4.92E-04
1334	609703.65	4170691.59	1.13E-02	5.04E-03	1.88E-03	8.80E-04	1.39E-03	5.03E-04
1335	609703.79	4170682.15	1.15E-02	5.10E-03	1.90E-03	8.91E-04	1.41E-03	5.09E-04
1336	609703.93	4170672.71	1.15E-02	5.10E-03	1.90E-03	8.91E-04	1.41E-03	5.09E-04
1337	609704.07	4170663.27	1.13E-02	5.05E-03	1.88E-03	8.81E-04	1.39E-03	5.03E-04
1338	609704.21	4170653.83	1.11E-02	4.93E-03	1.84E-03	8.61E-04	1.36E-03	4.92E-04
1339	609704.36	4170644.39	1.07E-02	4.76E-03	1.78E-03	8.32E-04	1.31E-03	4.75E-04
1340	609704.5	4170634.95	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.54E-04
1341	609704.64	4170625.51	9.65E-03	4.29E-03	1.60E-03	7.50E-04	1.18E-03	4.28E-04
1342	609709.41	4170738.05	8.76E-03	3.90E-03	1.46E-03	6.81E-04	1.07E-03	3.89E-04
1343	609705.75	4170746.59	8.60E-03	3.83E-03	1.43E-03	6.68E-04	1.05E-03	3.82E-04
1344	609702.09	4170755.13	8.39E-03	3.73E-03	1.39E-03	6.52E-04	1.03E-03	3.72E-04
1345	609698.42	4170763.67	8.13E-03	3.62E-03	1.35E-03	6.32E-04	9.97E-04	3.61E-04
1346	609694.76	4170772.22	7.83E-03	3.49E-03	1.30E-03	6.09E-04	9.60E-04	3.48E-04
1347	609691.1	4170780.76	7.51E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
1348	609687.43	4170789.3	7.16E-03	3.19E-03	1.19E-03	5.56E-04	8.78E-04	3.18E-04

1349	609683.77	4170797.85	6.80E-03	3.03E-03	1.13E-03	5.28E-04	8.34E-04	3.02E-04
1350	609671.49	4170809.88	6.53E-03	2.91E-03	1.08E-03	5.07E-04	8.01E-04	2.90E-04
1351	609662.88	4170813.38	6.59E-03	2.93E-03	1.10E-03	5.12E-04	8.08E-04	2.93E-04
1352	609654.27	4170816.88	6.62E-03	2.95E-03	1.10E-03	5.14E-04	8.12E-04	2.94E-04
1353	609645.66	4170820.37	6.61E-03	2.94E-03	1.10E-03	5.14E-04	8.11E-04	2.93E-04
1354	609637.04	4170823.87	6.56E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.91E-04
1355	609628.43	4170827.36	6.48E-03	2.88E-03	1.08E-03	5.04E-04	7.95E-04	2.88E-04
1356	609619.82	4170830.86	6.36E-03	2.83E-03	1.06E-03	4.94E-04	7.80E-04	2.82E-04
1357	609713.08	4170729.5	8.86E-03	3.94E-03	1.47E-03	6.88E-04	1.09E-03	3.93E-04
1358	609713.22	4170720.06	9.25E-03	4.12E-03	1.54E-03	7.19E-04	1.13E-03	4.11E-04
1359	609713.36	4170710.62	9.60E-03	4.27E-03	1.59E-03	7.46E-04	1.18E-03	4.26E-04
1360	609713.5	4170701.18	9.89E-03	4.40E-03	1.64E-03	7.68E-04	1.21E-03	4.39E-04
1361	609713.64	4170691.74	1.01E-02	4.49E-03	1.68E-03	7.84E-04	1.24E-03	4.48E-04
1362	609713.79	4170682.3	1.02E-02	4.54E-03	1.70E-03	7.93E-04	1.25E-03	4.53E-04
1363	609713.93	4170672.86	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.53E-04
1364	609714.07	4170663.42	1.01E-02	4.50E-03	1.68E-03	7.87E-04	1.24E-03	4.49E-04
1365	609714.21	4170653.98	9.92E-03	4.42E-03	1.65E-03	7.71E-04	1.22E-03	4.40E-04
1366	609714.35	4170644.54	9.62E-03	4.28E-03	1.60E-03	7.48E-04	1.18E-03	4.27E-04
1367	609714.5	4170635.1	9.23E-03	4.11E-03	1.53E-03	7.17E-04	1.13E-03	4.10E-04
1368	609714.64	4170625.66	8.77E-03	3.90E-03	1.46E-03	6.81E-04	1.08E-03	3.89E-04
1369	609719.48	4170738.04	7.96E-03	3.54E-03	1.32E-03	6.19E-04	9.76E-04	3.53E-04
1370	609715.88	4170746.43	7.85E-03	3.49E-03	1.30E-03	6.10E-04	9.62E-04	3.48E-04
1371	609708.69	4170763.2	7.49E-03	3.33E-03	1.24E-03	5.82E-04	9.18E-04	3.32E-04
1372	609705.09	4170771.59	7.25E-03	3.23E-03	1.21E-03	5.64E-04	8.89E-04	3.22E-04
1373	609701.5	4170779.98	7.00E-03	3.11E-03	1.16E-03	5.44E-04	8.58E-04	3.11E-04
1374	609697.9	4170788.37	6.72E-03	2.99E-03	1.12E-03	5.22E-04	8.23E-04	2.98E-04
1375	609694.3	4170796.75	6.42E-03	2.86E-03	1.07E-03	4.99E-04	7.87E-04	2.85E-04
1376	609690.71	4170805.14	6.12E-03	2.72E-03	1.02E-03	4.76E-04	7.50E-04	2.72E-04
1377	609678.65	4170816.96	5.90E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
1378	609670.2	4170820.39	5.95E-03	2.65E-03	9.89E-04	4.62E-04	7.30E-04	2.64E-04
1379	609661.74	4170823.82	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.33E-04	2.65E-04
1380	609653.28	4170827.26	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.33E-04	2.65E-04
1381	609644.83	4170830.69	5.95E-03	2.65E-03	9.89E-04	4.63E-04	7.30E-04	2.64E-04
1382	609636.37	4170834.12	5.89E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
1383	609627.91	4170837.55	5.81E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
1384	609619.46	4170840.98	5.69E-03	2.53E-03	9.45E-04	4.42E-04	6.98E-04	2.53E-04
1385	609723.22	4170720.21	8.35E-03	3.72E-03	1.39E-03	6.49E-04	1.02E-03	3.71E-04
1386	609723.36	4170710.77	8.64E-03	3.85E-03	1.44E-03	6.71E-04	1.06E-03	3.84E-04
1387	609723.5	4170701.33	8.88E-03	3.95E-03	1.48E-03	6.90E-04	1.09E-03	3.94E-04
1388	609723.64	4170691.89	9.05E-03	4.03E-03	1.50E-03	7.03E-04	1.11E-03	4.02E-04
1389	609723.79	4170682.45	9.15E-03	4.07E-03	1.52E-03	7.11E-04	1.12E-03	4.06E-04
1390	609723.93	4170673.01	9.17E-03	4.08E-03	1.52E-03	7.12E-04	1.12E-03	4.07E-04
1391	609724.07	4170663.57	9.09E-03	4.05E-03	1.51E-03	7.07E-04	1.12E-03	4.04E-04
1392	609724.21	4170654.13	8.94E-03	3.98E-03	1.48E-03	6.94E-04	1.10E-03	3.97E-04
1393	609724.35	4170644.69	8.70E-03	3.87E-03	1.44E-03	6.76E-04	1.07E-03	3.86E-04
1394	609724.49	4170635.25	8.38E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
1395	609724.64	4170625.81	8.00E-03	3.56E-03	1.33E-03	6.22E-04	9.81E-04	3.55E-04
1396	609729.53	4170738.06	7.26E-03	3.23E-03	1.21E-03	5.64E-04	8.91E-04	3.22E-04
1397	609722.45	4170754.58	7.06E-03	3.14E-03	1.17E-03	5.48E-04	8.65E-04	3.13E-04
1398	609715.36	4170771.11	6.72E-03	2.99E-03	1.12E-03	5.22E-04	8.24E-04	2.98E-04
1399	609708.28	4170787.63	6.29E-03	2.80E-03	1.04E-03	4.89E-04	7.71E-04	2.79E-04
1400	609701.2	4170804.15	5.80E-03	2.58E-03	9.63E-04	4.50E-04	7.11E-04	2.57E-04

1401	609685.78	4170824.05	5.35E-03	2.38E-03	8.89E-04	4.16E-04	6.56E-04	2.37E-04
1402	609677.45	4170827.43	5.40E-03	2.40E-03	8.97E-04	4.20E-04	6.62E-04	2.40E-04
1403	609660.8	4170834.19	5.44E-03	2.42E-03	9.03E-04	4.23E-04	6.67E-04	2.41E-04
1404	609644.14	4170840.95	5.38E-03	2.39E-03	8.94E-04	4.18E-04	6.60E-04	2.39E-04
1405	609627.48	4170847.71	5.23E-03	2.33E-03	8.68E-04	4.06E-04	6.41E-04	2.32E-04
1406	609733.22	4170720.36	7.58E-03	3.38E-03	1.26E-03	5.89E-04	9.30E-04	3.37E-04
1407	609733.36	4170710.92	7.82E-03	3.48E-03	1.30E-03	6.08E-04	9.59E-04	3.47E-04
1408	609733.5	4170701.48	8.02E-03	3.57E-03	1.33E-03	6.23E-04	9.84E-04	3.56E-04
1409	609733.64	4170692.04	8.17E-03	3.64E-03	1.36E-03	6.35E-04	1.00E-03	3.63E-04
1410	609733.78	4170682.6	8.25E-03	3.67E-03	1.37E-03	6.41E-04	1.01E-03	3.66E-04
1411	609733.93	4170673.16	8.27E-03	3.68E-03	1.37E-03	6.43E-04	1.01E-03	3.67E-04
1412	609734.07	4170663.72	8.22E-03	3.66E-03	1.37E-03	6.39E-04	1.01E-03	3.65E-04
1413	609734.21	4170654.28	8.10E-03	3.60E-03	1.34E-03	6.29E-04	9.93E-04	3.59E-04
1414	609734.35	4170644.84	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.69E-04	3.51E-04
1415	609734.49	4170635.4	7.65E-03	3.40E-03	1.27E-03	5.94E-04	9.37E-04	3.39E-04
1416	609734.64	4170625.96	7.33E-03	3.26E-03	1.22E-03	5.70E-04	8.99E-04	3.25E-04
1417	609739.58	4170738.11	6.65E-03	2.96E-03	1.11E-03	5.17E-04	8.16E-04	2.95E-04
1418	609732.58	4170754.42	6.50E-03	2.89E-03	1.08E-03	5.05E-04	7.96E-04	2.88E-04
1419	609725.59	4170770.73	6.23E-03	2.77E-03	1.04E-03	4.84E-04	7.64E-04	2.77E-04
1420	609718.6	4170787.04	5.88E-03	2.62E-03	9.77E-04	4.57E-04	7.21E-04	2.61E-04
1421	609711.6	4170803.34	5.48E-03	2.44E-03	9.10E-04	4.26E-04	6.72E-04	2.43E-04
1422	609704.61	4170819.65	5.04E-03	2.24E-03	8.37E-04	3.92E-04	6.18E-04	2.24E-04
1423	609692.89	4170831.15	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
1424	609676.45	4170837.82	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
1425	609660	4170844.49	4.95E-03	2.21E-03	8.23E-04	3.85E-04	6.08E-04	2.20E-04
1426	609643.56	4170851.17	4.88E-03	2.17E-03	8.10E-04	3.79E-04	5.98E-04	2.16E-04
1427	609627.12	4170857.84	4.72E-03	2.10E-03	7.84E-04	3.67E-04	5.79E-04	2.10E-04
1428	609743.22	4170720.51	6.92E-03	3.08E-03	1.15E-03	5.37E-04	8.48E-04	3.07E-04
1429	609743.36	4170711.07	7.12E-03	3.17E-03	1.18E-03	5.53E-04	8.73E-04	3.16E-04
1430	609743.5	4170701.63	7.29E-03	3.24E-03	1.21E-03	5.66E-04	8.93E-04	3.23E-04
1431	609743.64	4170692.19	7.41E-03	3.30E-03	1.23E-03	5.76E-04	9.09E-04	3.29E-04
1432	609743.78	4170682.75	7.49E-03	3.33E-03	1.24E-03	5.82E-04	9.18E-04	3.32E-04
1433	609743.93	4170673.31	7.51E-03	3.34E-03	1.25E-03	5.83E-04	9.20E-04	3.33E-04
1434	609744.07	4170663.87	7.47E-03	3.32E-03	1.24E-03	5.80E-04	9.15E-04	3.31E-04
1435	609744.21	4170654.43	7.37E-03	3.28E-03	1.22E-03	5.73E-04	9.03E-04	3.27E-04
1436	609744.35	4170644.99	7.21E-03	3.21E-03	1.20E-03	5.60E-04	8.84E-04	3.20E-04
1437	609744.49	4170635.55	7.00E-03	3.12E-03	1.16E-03	5.44E-04	8.58E-04	3.11E-04
1438	609744.63	4170626.11	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.27E-04	2.99E-04
1439	609749.61	4170738.17	6.11E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.71E-04
1440	609742.7	4170754.3	6.00E-03	2.67E-03	9.96E-04	4.66E-04	7.35E-04	2.66E-04
1441	609735.78	4170770.43	5.79E-03	2.58E-03	9.61E-04	4.50E-04	7.09E-04	2.57E-04
1442	609728.86	4170786.56	5.50E-03	2.45E-03	9.14E-04	4.28E-04	6.75E-04	2.44E-04
1443	609721.95	4170802.69	5.17E-03	2.30E-03	8.58E-04	4.02E-04	6.34E-04	2.29E-04
1444	609715.03	4170818.82	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
1445	609699.98	4170838.25	4.47E-03	1.99E-03	7.43E-04	3.47E-04	5.48E-04	1.98E-04
1446	609683.72	4170844.85	4.54E-03	2.02E-03	7.54E-04	3.53E-04	5.56E-04	2.01E-04
1447	609667.46	4170851.45	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.57E-04	2.02E-04
1448	609651.2	4170858.05	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.50E-04	1.99E-04
1449	609634.93	4170864.65	4.37E-03	1.94E-03	7.26E-04	3.39E-04	5.36E-04	1.94E-04
1450	609618.67	4170871.25	4.19E-03	1.86E-03	6.96E-04	3.25E-04	5.14E-04	1.86E-04
1451	609753.21	4170720.66	6.33E-03	2.82E-03	1.05E-03	4.92E-04	7.76E-04	2.81E-04
1452	609753.36	4170711.22	6.50E-03	2.90E-03	1.08E-03	5.05E-04	7.98E-04	2.89E-04

1453	609753.5	4170701.78	6.65E-03	2.96E-03	1.10E-03	5.17E-04	8.15E-04	2.95E-04
1454	609753.64	4170692.34	6.76E-03	3.01E-03	1.12E-03	5.25E-04	8.29E-04	3.00E-04
1455	609753.78	4170682.9	6.82E-03	3.04E-03	1.13E-03	5.30E-04	8.37E-04	3.03E-04
1456	609753.92	4170673.46	6.84E-03	3.05E-03	1.14E-03	5.32E-04	8.39E-04	3.04E-04
1457	609754.07	4170664.02	6.81E-03	3.03E-03	1.13E-03	5.29E-04	8.35E-04	3.02E-04
1458	609754.21	4170654.58	6.74E-03	3.00E-03	1.12E-03	5.23E-04	8.26E-04	2.99E-04
1459	609754.35	4170645.14	6.61E-03	2.94E-03	1.10E-03	5.14E-04	8.10E-04	2.93E-04
1460	609754.49	4170635.7	6.43E-03	2.86E-03	1.07E-03	5.00E-04	7.89E-04	2.86E-04
1461	609754.63	4170626.26	6.22E-03	2.77E-03	1.03E-03	4.83E-04	7.62E-04	2.76E-04
1462	609759.38	4170738.86	5.63E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
1463	609755.69	4170747.46	5.59E-03	2.49E-03	9.29E-04	4.35E-04	6.86E-04	2.48E-04
1464	609752.01	4170756.06	5.53E-03	2.46E-03	9.19E-04	4.30E-04	6.78E-04	2.46E-04
1465	609748.32	4170764.66	5.45E-03	2.42E-03	9.05E-04	4.23E-04	6.68E-04	2.42E-04
1466	609744.63	4170773.27	5.34E-03	2.38E-03	8.87E-04	4.15E-04	6.55E-04	2.37E-04
1467	609740.94	4170781.87	5.22E-03	2.32E-03	8.67E-04	4.05E-04	6.40E-04	2.32E-04
1468	609737.25	4170790.47	5.08E-03	2.26E-03	8.44E-04	3.95E-04	6.23E-04	2.25E-04
1469	609733.56	4170799.07	4.93E-03	2.19E-03	8.19E-04	3.83E-04	6.04E-04	2.19E-04
1470	609729.87	4170807.68	4.77E-03	2.12E-03	7.92E-04	3.70E-04	5.84E-04	2.12E-04
1471	609726.18	4170816.28	4.60E-03	2.05E-03	7.64E-04	3.57E-04	5.64E-04	2.04E-04
1472	609722.49	4170824.88	4.42E-03	1.97E-03	7.34E-04	3.44E-04	5.42E-04	1.96E-04
1473	609718.8	4170833.49	4.24E-03	1.89E-03	7.05E-04	3.30E-04	5.20E-04	1.88E-04
1474	609706.44	4170845.61	4.11E-03	1.83E-03	6.83E-04	3.20E-04	5.04E-04	1.83E-04
1475	609697.77	4170849.13	4.15E-03	1.85E-03	6.90E-04	3.23E-04	5.09E-04	1.84E-04
1476	609689.1	4170852.65	4.18E-03	1.86E-03	6.94E-04	3.24E-04	5.12E-04	1.85E-04
1477	609680.42	4170856.17	4.19E-03	1.86E-03	6.95E-04	3.25E-04	5.13E-04	1.86E-04
1478	609671.75	4170859.69	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.13E-04	1.86E-04
1479	609663.08	4170863.21	4.16E-03	1.85E-03	6.91E-04	3.23E-04	5.10E-04	1.85E-04
1480	609654.4	4170866.73	4.12E-03	1.83E-03	6.85E-04	3.20E-04	5.05E-04	1.83E-04
1481	609645.73	4170870.25	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
1482	609637.06	4170873.77	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
1483	609628.38	4170877.29	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
1484	609619.71	4170880.81	3.83E-03	1.70E-03	6.36E-04	2.97E-04	4.69E-04	1.70E-04
1485	609763.07	4170730.25	5.65E-03	2.51E-03	9.38E-04	4.39E-04	6.92E-04	2.51E-04
1486	609763.21	4170720.81	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.13E-04	2.58E-04
1487	609763.36	4170711.37	5.97E-03	2.66E-03	9.92E-04	4.64E-04	7.32E-04	2.65E-04
1488	609763.5	4170701.93	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
1489	609763.64	4170692.49	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.59E-04	2.75E-04
1490	609763.78	4170683.05	6.25E-03	2.78E-03	1.04E-03	4.85E-04	7.66E-04	2.77E-04
1491	609763.92	4170673.61	6.27E-03	2.79E-03	1.04E-03	4.87E-04	7.68E-04	2.78E-04
1492	609764.06	4170664.17	6.25E-03	2.78E-03	1.04E-03	4.85E-04	7.66E-04	2.77E-04
1493	609764.21	4170654.73	6.18E-03	2.75E-03	1.03E-03	4.80E-04	7.58E-04	2.74E-04
1494	609764.35	4170645.29	6.08E-03	2.71E-03	1.01E-03	4.72E-04	7.45E-04	2.70E-04
1495	609764.49	4170635.85	5.93E-03	2.64E-03	9.86E-04	4.61E-04	7.28E-04	2.63E-04
1496	609764.63	4170626.41	5.75E-03	2.56E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
1497	609769.43	4170738.89	5.21E-03	2.32E-03	8.65E-04	4.05E-04	6.39E-04	2.31E-04
1498	609765.79	4170747.38	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
1499	609762.15	4170755.87	5.13E-03	2.28E-03	8.53E-04	3.99E-04	6.29E-04	2.28E-04
1500	609758.51	4170764.35	5.07E-03	2.26E-03	8.42E-04	3.94E-04	6.21E-04	2.25E-04
1501	609754.87	4170772.84	4.98E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
1502	609751.23	4170781.33	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.99E-04	2.17E-04
1503	609747.59	4170789.82	4.77E-03	2.12E-03	7.92E-04	3.71E-04	5.85E-04	2.12E-04
1504	609743.95	4170798.3	4.64E-03	2.07E-03	7.71E-04	3.61E-04	5.69E-04	2.06E-04

1505	609740.31	4170806.79	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
1506	609736.68	4170815.28	4.37E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
1507	609733.04	4170823.77	4.22E-03	1.88E-03	7.00E-04	3.28E-04	5.17E-04	1.87E-04
1508	609729.4	4170832.25	4.06E-03	1.81E-03	6.75E-04	3.16E-04	4.98E-04	1.80E-04
1509	609725.76	4170840.74	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
1510	609713.56	4170852.7	3.80E-03	1.69E-03	6.31E-04	2.95E-04	4.65E-04	1.68E-04
1511	609705	4170856.17	3.83E-03	1.70E-03	6.36E-04	2.98E-04	4.70E-04	1.70E-04
1512	609696.45	4170859.65	3.85E-03	1.71E-03	6.40E-04	2.99E-04	4.72E-04	1.71E-04
1513	609687.89	4170863.12	3.86E-03	1.72E-03	6.42E-04	3.00E-04	4.74E-04	1.71E-04
1514	609679.33	4170866.59	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
1515	609670.77	4170870.07	3.85E-03	1.71E-03	6.39E-04	2.99E-04	4.72E-04	1.71E-04
1516	609662.22	4170873.54	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.70E-04
1517	609653.66	4170877.01	3.78E-03	1.68E-03	6.28E-04	2.94E-04	4.63E-04	1.68E-04
1518	609645.1	4170880.48	3.73E-03	1.66E-03	6.19E-04	2.89E-04	4.57E-04	1.65E-04
1519	609636.55	4170883.96	3.66E-03	1.63E-03	6.08E-04	2.84E-04	4.49E-04	1.62E-04
1520	609627.99	4170887.43	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
1521	609619.43	4170890.9	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
1522	609773.07	4170730.4	5.22E-03	2.32E-03	8.67E-04	4.05E-04	6.40E-04	2.32E-04
1523	609773.21	4170720.96	5.37E-03	2.39E-03	8.92E-04	4.17E-04	6.58E-04	2.38E-04
1524	609773.35	4170711.52	5.50E-03	2.45E-03	9.13E-04	4.27E-04	6.74E-04	2.44E-04
1525	609773.5	4170702.08	5.61E-03	2.50E-03	9.31E-04	4.36E-04	6.87E-04	2.49E-04
1526	609773.64	4170692.64	5.69E-03	2.53E-03	9.45E-04	4.42E-04	6.97E-04	2.52E-04
1527	609773.78	4170683.2	5.74E-03	2.55E-03	9.54E-04	4.46E-04	7.04E-04	2.55E-04
1528	609773.92	4170673.76	5.76E-03	2.56E-03	9.57E-04	4.48E-04	7.06E-04	2.56E-04
1529	609774.06	4170664.32	5.75E-03	2.56E-03	9.55E-04	4.47E-04	7.05E-04	2.55E-04
1530	609774.21	4170654.88	5.70E-03	2.54E-03	9.46E-04	4.43E-04	6.98E-04	2.53E-04
1531	609774.35	4170645.44	5.61E-03	2.50E-03	9.32E-04	4.36E-04	6.88E-04	2.49E-04
1532	609774.49	4170636	5.49E-03	2.44E-03	9.11E-04	4.26E-04	6.73E-04	2.44E-04
1533	609774.63	4170626.56	5.32E-03	2.37E-03	8.84E-04	4.14E-04	6.53E-04	2.36E-04
1534	609779.47	4170738.94	4.83E-03	2.15E-03	8.03E-04	3.75E-04	5.92E-04	2.14E-04
1535	609775.88	4170747.33	4.81E-03	2.14E-03	7.99E-04	3.74E-04	5.90E-04	2.13E-04
1536	609772.28	4170755.72	4.77E-03	2.13E-03	7.93E-04	3.71E-04	5.85E-04	2.12E-04
1537	609765.09	4170772.49	4.66E-03	2.07E-03	7.73E-04	3.62E-04	5.71E-04	2.07E-04
1538	609761.49	4170780.88	4.57E-03	2.04E-03	7.60E-04	3.55E-04	5.61E-04	2.03E-04
1539	609757.89	4170789.27	4.48E-03	1.99E-03	7.44E-04	3.48E-04	5.49E-04	1.99E-04
1540	609754.3	4170797.65	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
1541	609750.7	4170806.04	4.26E-03	1.90E-03	7.08E-04	3.31E-04	5.23E-04	1.89E-04
1542	609747.1	4170814.43	4.14E-03	1.84E-03	6.88E-04	3.22E-04	5.08E-04	1.84E-04
1543	609743.51	4170822.82	4.01E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
1544	609739.91	4170831.21	3.88E-03	1.73E-03	6.45E-04	3.02E-04	4.76E-04	1.72E-04
1545	609736.31	4170839.59	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
1546	609732.72	4170847.98	3.61E-03	1.61E-03	6.00E-04	2.81E-04	4.43E-04	1.60E-04
1547	609720.66	4170859.8	3.51E-03	1.56E-03	5.84E-04	2.73E-04	4.31E-04	1.56E-04
1548	609712.21	4170863.23	3.54E-03	1.58E-03	5.89E-04	2.75E-04	4.35E-04	1.57E-04
1549	609703.75	4170866.66	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1550	609695.29	4170870.1	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
1551	609686.84	4170873.53	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.39E-04	1.59E-04
1552	609678.38	4170876.96	3.57E-03	1.59E-03	5.93E-04	2.77E-04	4.37E-04	1.58E-04
1553	609669.92	4170880.39	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.57E-04
1554	609661.47	4170883.82	3.52E-03	1.56E-03	5.84E-04	2.73E-04	4.31E-04	1.56E-04
1555	609653.01	4170887.26	3.47E-03	1.55E-03	5.77E-04	2.70E-04	4.26E-04	1.54E-04
1556	609644.55	4170890.69	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04

1557	609636.1	4170894.12	3.35E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
1558	609627.64	4170897.55	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
1559	609619.19	4170900.98	3.20E-03	1.42E-03	5.32E-04	2.49E-04	3.92E-04	1.42E-04
1560	609783.07	4170730.55	4.84E-03	2.15E-03	8.04E-04	3.76E-04	5.93E-04	2.15E-04
1561	609783.21	4170721.11	4.97E-03	2.21E-03	8.25E-04	3.86E-04	6.09E-04	2.20E-04
1562	609783.35	4170711.67	5.08E-03	2.26E-03	8.44E-04	3.95E-04	6.23E-04	2.26E-04
1563	609783.5	4170702.23	5.18E-03	2.30E-03	8.60E-04	4.02E-04	6.35E-04	2.30E-04
1564	609783.64	4170692.79	5.25E-03	2.34E-03	8.72E-04	4.08E-04	6.43E-04	2.33E-04
1565	609783.78	4170683.35	5.30E-03	2.36E-03	8.80E-04	4.11E-04	6.49E-04	2.35E-04
1566	609783.92	4170673.91	5.31E-03	2.37E-03	8.83E-04	4.13E-04	6.52E-04	2.36E-04
1567	609784.06	4170664.47	5.31E-03	2.36E-03	8.81E-04	4.12E-04	6.50E-04	2.35E-04
1568	609784.2	4170655.03	5.27E-03	2.34E-03	8.75E-04	4.09E-04	6.46E-04	2.34E-04
1569	609784.35	4170645.59	5.19E-03	2.31E-03	8.63E-04	4.04E-04	6.37E-04	2.31E-04
1570	609784.49	4170636.15	5.09E-03	2.27E-03	8.46E-04	3.96E-04	6.24E-04	2.26E-04
1571	609784.63	4170626.71	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
1572	609789.51	4170739	4.49E-03	2.00E-03	7.47E-04	3.49E-04	5.51E-04	2.00E-04
1573	609782.39	4170755.6	4.45E-03	1.98E-03	7.39E-04	3.46E-04	5.46E-04	1.98E-04
1574	609778.83	4170763.9	4.41E-03	1.96E-03	7.33E-04	3.43E-04	5.41E-04	1.96E-04
1575	609771.71	4170780.51	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
1576	609764.59	4170797.11	4.12E-03	1.84E-03	6.85E-04	3.21E-04	5.06E-04	1.83E-04
1577	609761.03	4170805.41	4.03E-03	1.79E-03	6.69E-04	3.13E-04	4.94E-04	1.79E-04
1578	609753.92	4170822.01	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.70E-04
1579	609746.8	4170838.61	3.59E-03	1.60E-03	5.96E-04	2.79E-04	4.40E-04	1.59E-04
1580	609743.24	4170846.91	3.47E-03	1.54E-03	5.76E-04	2.70E-04	4.25E-04	1.54E-04
1581	609727.75	4170866.9	3.26E-03	1.45E-03	5.42E-04	2.53E-04	4.00E-04	1.45E-04
1582	609711.02	4170873.7	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
1583	609694.28	4170880.49	3.32E-03	1.48E-03	5.52E-04	2.58E-04	4.07E-04	1.48E-04
1584	609685.91	4170883.89	3.32E-03	1.48E-03	5.51E-04	2.58E-04	4.07E-04	1.47E-04
1585	609669.17	4170890.68	3.28E-03	1.46E-03	5.44E-04	2.55E-04	4.02E-04	1.45E-04
1586	609652.44	4170897.47	3.20E-03	1.42E-03	5.31E-04	2.49E-04	3.92E-04	1.42E-04
1587	609635.7	4170904.26	3.08E-03	1.37E-03	5.12E-04	2.40E-04	3.78E-04	1.37E-04
1588	609627.33	4170907.66	3.02E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
1589	609793.21	4170721.26	4.61E-03	2.05E-03	7.66E-04	3.58E-04	5.65E-04	2.05E-04
1590	609793.35	4170711.82	4.71E-03	2.10E-03	7.82E-04	3.66E-04	5.78E-04	2.09E-04
1591	609793.49	4170702.38	4.79E-03	2.13E-03	7.96E-04	3.72E-04	5.88E-04	2.13E-04
1592	609793.64	4170692.94	4.86E-03	2.16E-03	8.07E-04	3.77E-04	5.96E-04	2.16E-04
1593	609793.78	4170683.5	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
1594	609793.92	4170674.06	4.92E-03	2.19E-03	8.17E-04	3.82E-04	6.03E-04	2.18E-04
1595	609794.06	4170664.62	4.91E-03	2.19E-03	8.16E-04	3.82E-04	6.02E-04	2.18E-04
1596	609794.2	4170655.18	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.99E-04	2.17E-04
1597	609794.34	4170645.74	4.82E-03	2.15E-03	8.01E-04	3.75E-04	5.91E-04	2.14E-04
1598	609794.49	4170636.3	4.74E-03	2.11E-03	7.87E-04	3.68E-04	5.81E-04	2.10E-04
1599	609794.63	4170626.86	4.62E-03	2.06E-03	7.67E-04	3.59E-04	5.66E-04	2.05E-04
1600	609799.54	4170739.08	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
1601	609792.49	4170755.52	4.16E-03	1.85E-03	6.90E-04	3.23E-04	5.10E-04	1.85E-04
1602	609785.44	4170771.97	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.00E-04	1.81E-04
1603	609778.38	4170788.42	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
1604	609771.33	4170804.86	3.81E-03	1.70E-03	6.33E-04	2.96E-04	4.67E-04	1.69E-04
1605	609764.28	4170821.31	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
1606	609757.23	4170837.76	3.43E-03	1.53E-03	5.70E-04	2.67E-04	4.21E-04	1.52E-04
1607	609750.17	4170854.2	3.22E-03	1.43E-03	5.35E-04	2.50E-04	3.95E-04	1.43E-04
1608	609734.83	4170874.01	3.04E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04

1609	609718.25	4170880.74	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1610	609701.67	4170887.47	3.09E-03	1.38E-03	5.14E-04	2.40E-04	3.79E-04	1.37E-04
1611	609685.09	4170894.2	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1612	609668.51	4170900.93	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
1613	609651.93	4170907.66	2.95E-03	1.31E-03	4.91E-04	2.29E-04	3.62E-04	1.31E-04
1614	609635.34	4170914.39	2.84E-03	1.27E-03	4.72E-04	2.21E-04	3.49E-04	1.26E-04
1615	609618.76	4170921.12	2.71E-03	1.21E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
1616	609803.21	4170721.41	4.29E-03	1.91E-03	7.13E-04	3.33E-04	5.26E-04	1.90E-04
1617	609803.35	4170711.97	4.38E-03	1.95E-03	7.27E-04	3.40E-04	5.37E-04	1.94E-04
1618	609803.49	4170702.53	4.45E-03	1.98E-03	7.40E-04	3.46E-04	5.46E-04	1.98E-04
1619	609803.63	4170693.09	4.51E-03	2.01E-03	7.49E-04	3.50E-04	5.53E-04	2.00E-04
1620	609803.78	4170683.65	4.55E-03	2.02E-03	7.56E-04	3.53E-04	5.58E-04	2.02E-04
1621	609803.92	4170674.21	4.57E-03	2.03E-03	7.59E-04	3.55E-04	5.60E-04	2.03E-04
1622	609804.06	4170664.77	4.56E-03	2.03E-03	7.58E-04	3.55E-04	5.60E-04	2.03E-04
1623	609804.2	4170655.33	4.54E-03	2.02E-03	7.54E-04	3.53E-04	5.57E-04	2.01E-04
1624	609804.34	4170645.89	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.51E-04	1.99E-04
1625	609804.49	4170636.45	4.42E-03	1.97E-03	7.34E-04	3.43E-04	5.42E-04	1.96E-04
1626	609804.63	4170627.01	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
1627	609809.36	4170739.64	3.92E-03	1.74E-03	6.51E-04	3.04E-04	4.80E-04	1.74E-04
1628	609805.66	4170748.27	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
1629	609801.96	4170756.91	3.89E-03	1.73E-03	6.46E-04	3.02E-04	4.77E-04	1.73E-04
1630	609798.26	4170765.54	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
1631	609794.55	4170774.18	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
1632	609790.85	4170782.81	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
1633	609787.15	4170791.44	3.71E-03	1.65E-03	6.16E-04	2.88E-04	4.55E-04	1.65E-04
1634	609783.45	4170800.08	3.64E-03	1.62E-03	6.05E-04	2.83E-04	4.46E-04	1.62E-04
1635	609779.74	4170808.71	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1636	609776.04	4170817.35	3.48E-03	1.55E-03	5.79E-04	2.71E-04	4.27E-04	1.55E-04
1637	609772.34	4170825.98	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
1638	609768.64	4170834.62	3.30E-03	1.47E-03	5.49E-04	2.57E-04	4.05E-04	1.47E-04
1639	609764.93	4170843.25	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
1640	609761.23	4170851.88	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
1641	609757.53	4170860.52	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
1642	609753.83	4170869.15	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
1643	609741.42	4170881.32	2.84E-03	1.26E-03	4.71E-04	2.20E-04	3.48E-04	1.26E-04
1644	609732.71	4170884.85	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
1645	609724.01	4170888.39	2.88E-03	1.28E-03	4.78E-04	2.23E-04	3.53E-04	1.28E-04
1646	609715.3	4170891.92	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1647	609706.6	4170895.45	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
1648	609697.89	4170898.99	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1649	609689.19	4170902.52	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.28E-04
1650	609680.48	4170906.05	2.85E-03	1.27E-03	4.74E-04	2.22E-04	3.50E-04	1.27E-04
1651	609671.78	4170909.58	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.25E-04
1652	609663.07	4170913.12	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.42E-04	1.24E-04
1653	609654.37	4170916.65	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
1654	609645.66	4170920.18	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
1655	609636.96	4170923.72	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
1656	609628.25	4170927.25	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1657	609619.55	4170930.78	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
1658	609813.07	4170731	3.92E-03	1.74E-03	6.51E-04	3.04E-04	4.80E-04	1.74E-04
1659	609813.21	4170721.56	4.00E-03	1.78E-03	6.65E-04	3.11E-04	4.91E-04	1.78E-04
1660	609813.35	4170712.12	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.01E-04	1.81E-04

1661	609813.49	4170702.68	4.15E-03	1.85E-03	6.89E-04	3.22E-04	5.09E-04	1.84E-04
1662	609813.63	4170693.24	4.20E-03	1.87E-03	6.98E-04	3.26E-04	5.15E-04	1.86E-04
1663	609813.78	4170683.8	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
1664	609813.92	4170674.36	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
1665	609814.06	4170664.92	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
1666	609814.2	4170655.48	4.23E-03	1.88E-03	7.03E-04	3.29E-04	5.19E-04	1.88E-04
1667	609814.34	4170646.04	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
1668	609814.48	4170636.6	4.13E-03	1.84E-03	6.86E-04	3.21E-04	5.06E-04	1.83E-04
1669	609814.63	4170627.16	4.04E-03	1.80E-03	6.71E-04	3.14E-04	4.96E-04	1.79E-04
1670	609819.4	4170739.7	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
1671	609815.74	4170748.24	3.66E-03	1.63E-03	6.09E-04	2.85E-04	4.49E-04	1.63E-04
1672	609812.08	4170756.78	3.65E-03	1.62E-03	6.06E-04	2.83E-04	4.47E-04	1.62E-04
1673	609808.41	4170765.33	3.62E-03	1.61E-03	6.02E-04	2.82E-04	4.44E-04	1.61E-04
1674	609804.75	4170773.87	3.59E-03	1.60E-03	5.96E-04	2.79E-04	4.40E-04	1.59E-04
1675	609801.09	4170782.41	3.55E-03	1.58E-03	5.89E-04	2.76E-04	4.35E-04	1.58E-04
1676	609797.42	4170790.96	3.50E-03	1.56E-03	5.81E-04	2.72E-04	4.29E-04	1.55E-04
1677	609793.76	4170799.5	3.44E-03	1.53E-03	5.72E-04	2.68E-04	4.22E-04	1.53E-04
1678	609790.09	4170808.04	3.38E-03	1.50E-03	5.61E-04	2.63E-04	4.14E-04	1.50E-04
1679	609786.43	4170816.58	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
1680	609782.77	4170825.13	3.24E-03	1.44E-03	5.37E-04	2.51E-04	3.97E-04	1.44E-04
1681	609779.1	4170833.67	3.16E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
1682	609775.44	4170842.21	3.07E-03	1.37E-03	5.11E-04	2.39E-04	3.77E-04	1.36E-04
1683	609771.78	4170850.76	2.99E-03	1.33E-03	4.96E-04	2.32E-04	3.66E-04	1.33E-04
1684	609768.11	4170859.3	2.90E-03	1.29E-03	4.82E-04	2.25E-04	3.55E-04	1.29E-04
1685	609764.45	4170867.84	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
1686	609760.79	4170876.38	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.33E-04	1.21E-04
1687	609748.51	4170888.42	2.65E-03	1.18E-03	4.41E-04	2.06E-04	3.25E-04	1.18E-04
1688	609739.9	4170891.92	2.67E-03	1.19E-03	4.44E-04	2.08E-04	3.28E-04	1.19E-04
1689	609731.29	4170895.41	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1690	609722.67	4170898.91	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
1691	609714.06	4170902.41	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.32E-04	1.20E-04
1692	609705.45	4170905.9	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
1693	609696.83	4170909.4	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.20E-04
1694	609688.22	4170912.89	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04
1695	609679.61	4170916.39	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1696	609671	4170919.88	2.63E-03	1.17E-03	4.36E-04	2.04E-04	3.22E-04	1.17E-04
1697	609662.38	4170923.38	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
1698	609653.77	4170926.87	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.13E-04	1.13E-04
1699	609645.16	4170930.37	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
1700	609636.54	4170933.87	2.45E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
1701	609627.93	4170937.36	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
1702	609619.32	4170940.86	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
1703	609823.07	4170731.15	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
1704	609823.21	4170721.71	3.75E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
1705	609823.35	4170712.27	3.82E-03	1.70E-03	6.34E-04	2.96E-04	4.68E-04	1.69E-04
1706	609823.49	4170702.83	3.87E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
1707	609823.63	4170693.39	3.92E-03	1.74E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
1708	609823.77	4170683.95	3.95E-03	1.76E-03	6.57E-04	3.07E-04	4.85E-04	1.75E-04
1709	609823.92	4170674.51	3.97E-03	1.77E-03	6.59E-04	3.08E-04	4.87E-04	1.76E-04
1710	609824.06	4170665.07	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
1711	609824.2	4170655.63	3.95E-03	1.76E-03	6.57E-04	3.07E-04	4.85E-04	1.76E-04
1712	609824.34	4170646.19	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04

1713	609824.48	4170636.75	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.74E-04	1.72E-04
1714	609824.63	4170627.31	3.79E-03	1.69E-03	6.30E-04	2.95E-04	4.65E-04	1.68E-04
1715	609829.44	4170739.77	3.45E-03	1.53E-03	5.72E-04	2.68E-04	4.23E-04	1.53E-04
1716	609825.81	4170748.23	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1717	609822.18	4170756.69	3.43E-03	1.53E-03	5.70E-04	2.66E-04	4.21E-04	1.52E-04
1718	609818.55	4170765.15	3.41E-03	1.52E-03	5.66E-04	2.65E-04	4.18E-04	1.51E-04
1719	609814.92	4170773.61	3.38E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
1720	609811.29	4170782.07	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
1721	609807.67	4170790.53	3.31E-03	1.47E-03	5.49E-04	2.57E-04	4.05E-04	1.47E-04
1722	609804.04	4170798.99	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
1723	609800.41	4170807.46	3.21E-03	1.43E-03	5.32E-04	2.49E-04	3.93E-04	1.42E-04
1724	609796.78	4170815.92	3.15E-03	1.40E-03	5.23E-04	2.44E-04	3.86E-04	1.40E-04
1725	609793.15	4170824.38	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
1726	609789.52	4170832.84	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.69E-04	1.34E-04
1727	609785.9	4170841.3	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
1728	609782.27	4170849.76	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
1729	609778.64	4170858.22	2.79E-03	1.24E-03	4.63E-04	2.17E-04	3.42E-04	1.24E-04
1730	609775.01	4170866.68	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
1731	609771.38	4170875.14	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
1732	609767.75	4170883.61	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
1733	609755.6	4170895.53	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
1734	609747.07	4170898.99	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
1735	609738.53	4170902.45	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
1736	609730	4170905.92	2.53E-03	1.13E-03	4.21E-04	1.97E-04	3.10E-04	1.12E-04
1737	609721.47	4170909.38	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
1738	609712.94	4170912.84	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
1739	609704.41	4170916.3	2.53E-03	1.13E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
1740	609695.88	4170919.76	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
1741	609687.35	4170923.23	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
1742	609678.82	4170926.69	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
1743	609670.29	4170930.15	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
1744	609661.76	4170933.61	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
1745	609653.23	4170937.07	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
1746	609644.7	4170940.54	2.32E-03	1.03E-03	3.86E-04	1.80E-04	2.85E-04	1.03E-04
1747	609636.17	4170944	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
1748	609627.64	4170947.46	2.22E-03	9.86E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
1749	609619.11	4170950.92	2.16E-03	9.60E-04	3.58E-04	1.68E-04	2.64E-04	9.57E-05
1750	609833.06	4170731.3	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1751	609833.21	4170721.86	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.31E-04	1.56E-04
1752	609833.35	4170712.42	3.57E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
1753	609833.49	4170702.98	3.63E-03	1.61E-03	6.02E-04	2.82E-04	4.45E-04	1.61E-04
1754	609833.63	4170693.54	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
1755	609833.77	4170684.1	3.70E-03	1.65E-03	6.14E-04	2.87E-04	4.53E-04	1.64E-04
1756	609833.91	4170674.66	3.71E-03	1.65E-03	6.17E-04	2.89E-04	4.55E-04	1.65E-04
1757	609834.06	4170665.22	3.72E-03	1.65E-03	6.17E-04	2.89E-04	4.56E-04	1.65E-04
1758	609834.2	4170655.78	3.70E-03	1.65E-03	6.15E-04	2.88E-04	4.54E-04	1.64E-04
1759	609834.34	4170646.34	3.68E-03	1.64E-03	6.11E-04	2.86E-04	4.51E-04	1.63E-04
1760	609834.48	4170636.9	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
1761	609834.62	4170627.46	3.57E-03	1.59E-03	5.92E-04	2.77E-04	4.37E-04	1.58E-04
1762	609839.47	4170739.84	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1763	609835.87	4170748.23	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1764	609832.27	4170756.62	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.96E-04	1.43E-04

1765	609828.68	4170765.01	3.21E-03	1.43E-03	5.34E-04	2.50E-04	3.94E-04	1.43E-04
1766	609825.08	4170773.39	3.19E-03	1.42E-03	5.30E-04	2.48E-04	3.91E-04	1.42E-04
1767	609817.89	4170790.17	3.13E-03	1.39E-03	5.19E-04	2.43E-04	3.83E-04	1.39E-04
1768	609810.69	4170806.94	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.73E-04	1.35E-04
1769	609803.5	4170823.72	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.60E-04	1.30E-04
1770	609799.9	4170832.11	2.88E-03	1.28E-03	4.78E-04	2.23E-04	3.53E-04	1.28E-04
1771	609796.31	4170840.49	2.81E-03	1.25E-03	4.67E-04	2.19E-04	3.45E-04	1.25E-04
1772	609792.71	4170848.88	2.75E-03	1.22E-03	4.56E-04	2.14E-04	3.37E-04	1.22E-04
1773	609785.51	4170865.66	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
1774	609778.32	4170882.43	2.46E-03	1.10E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
1775	609762.67	4170902.64	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.87E-04	1.04E-04
1776	609754.22	4170906.07	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
1777	609745.76	4170909.5	2.37E-03	1.05E-03	3.94E-04	1.84E-04	2.90E-04	1.05E-04
1778	609737.3	4170912.94	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
1779	609728.85	4170916.37	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1780	609720.39	4170919.8	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1781	609711.93	4170923.23	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.92E-04	1.06E-04
1782	609703.48	4170926.66	2.37E-03	1.05E-03	3.94E-04	1.84E-04	2.90E-04	1.05E-04
1783	609695.02	4170930.1	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
1784	609686.56	4170933.53	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
1785	609678.11	4170936.96	2.31E-03	1.03E-03	3.84E-04	1.79E-04	2.83E-04	1.03E-04
1786	609669.65	4170940.39	2.28E-03	1.01E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
1787	609661.2	4170943.82	2.24E-03	9.99E-04	3.73E-04	1.74E-04	2.75E-04	9.96E-05
1788	609652.74	4170947.26	2.21E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
1789	609644.28	4170950.69	2.16E-03	9.62E-04	3.59E-04	1.68E-04	2.65E-04	9.59E-05
1790	609635.83	4170954.12	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.38E-05
1791	609627.37	4170957.55	2.06E-03	9.17E-04	3.42E-04	1.60E-04	2.53E-04	9.15E-05
1792	609618.91	4170960.98	2.01E-03	8.93E-04	3.33E-04	1.56E-04	2.46E-04	8.90E-05
1793	609843.06	4170731.46	3.24E-03	1.44E-03	5.38E-04	2.51E-04	3.97E-04	1.44E-04
1794	609843.2	4170722.02	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
1795	609843.35	4170712.58	3.36E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
1796	609843.49	4170703.14	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
1797	609843.63	4170693.7	3.44E-03	1.53E-03	5.72E-04	2.67E-04	4.22E-04	1.53E-04
1798	609843.77	4170684.26	3.47E-03	1.54E-03	5.76E-04	2.69E-04	4.25E-04	1.54E-04
1799	609843.91	4170674.82	3.48E-03	1.55E-03	5.78E-04	2.70E-04	4.27E-04	1.54E-04
1800	609844.06	4170665.38	3.48E-03	1.55E-03	5.79E-04	2.71E-04	4.27E-04	1.55E-04
1801	609844.2	4170655.94	3.47E-03	1.55E-03	5.77E-04	2.70E-04	4.26E-04	1.54E-04
1802	609844.34	4170646.5	3.45E-03	1.54E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
1803	609844.48	4170637.06	3.41E-03	1.52E-03	5.66E-04	2.65E-04	4.18E-04	1.51E-04
1804	609844.62	4170627.62	3.36E-03	1.49E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
1805	609849.49	4170739.93	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.75E-04	1.36E-04
1806	609842.36	4170756.57	3.05E-03	1.36E-03	5.06E-04	2.37E-04	3.74E-04	1.35E-04
1807	609838.79	4170764.89	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
1808	609831.65	4170781.53	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
1809	609824.52	4170798.17	2.93E-03	1.30E-03	4.86E-04	2.27E-04	3.59E-04	1.30E-04
1810	609817.38	4170814.82	2.84E-03	1.27E-03	4.72E-04	2.21E-04	3.49E-04	1.26E-04
1811	609813.81	4170823.14	2.80E-03	1.24E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
1812	609806.68	4170839.78	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1813	609799.54	4170856.42	2.57E-03	1.15E-03	4.27E-04	2.00E-04	3.16E-04	1.14E-04
1814	609792.4	4170873.06	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
1815	609788.83	4170881.38	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
1816	609781.7	4170898.03	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.98E-05

1817	609769.74	4170909.75	2.20E-03	9.79E-04	3.66E-04	1.71E-04	2.70E-04	9.77E-05
1818	609761.35	4170913.16	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
1819	609752.96	4170916.56	2.23E-03	9.93E-04	3.70E-04	1.73E-04	2.73E-04	9.90E-05
1820	609744.57	4170919.97	2.24E-03	9.97E-04	3.72E-04	1.74E-04	2.75E-04	9.94E-05
1821	609727.79	4170926.78	2.25E-03	9.99E-04	3.73E-04	1.74E-04	2.75E-04	9.96E-05
1822	609719.4	4170930.18	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
1823	609702.63	4170936.99	2.22E-03	9.89E-04	3.69E-04	1.73E-04	2.72E-04	9.86E-05
1824	609694.24	4170940.39	2.21E-03	9.82E-04	3.66E-04	1.71E-04	2.70E-04	9.79E-05
1825	609677.46	4170947.2	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.58E-05
1826	609660.68	4170954.01	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
1827	609652.29	4170957.42	2.06E-03	9.15E-04	3.42E-04	1.60E-04	2.52E-04	9.13E-05
1828	609643.9	4170960.82	2.02E-03	8.97E-04	3.35E-04	1.57E-04	2.47E-04	8.94E-05
1829	609635.51	4170964.23	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
1830	609627.12	4170967.63	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
1831	609853.06	4170731.61	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
1832	609853.2	4170722.17	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
1833	609853.35	4170712.73	3.16E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
1834	609853.49	4170703.29	3.20E-03	1.42E-03	5.31E-04	2.49E-04	3.92E-04	1.42E-04
1835	609853.63	4170693.85	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.96E-04	1.43E-04
1836	609853.77	4170684.41	3.25E-03	1.45E-03	5.40E-04	2.53E-04	3.99E-04	1.44E-04
1837	609853.91	4170674.97	3.26E-03	1.45E-03	5.42E-04	2.53E-04	4.00E-04	1.45E-04
1838	609854.05	4170665.53	3.27E-03	1.45E-03	5.43E-04	2.54E-04	4.00E-04	1.45E-04
1839	609854.2	4170656.09	3.26E-03	1.45E-03	5.41E-04	2.53E-04	4.00E-04	1.45E-04
1840	609854.34	4170646.65	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
1841	609854.48	4170637.21	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
1842	609854.62	4170627.77	3.16E-03	1.41E-03	5.26E-04	2.46E-04	3.88E-04	1.40E-04
1843	609859.35	4170740.41	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1844	609855.64	4170749.06	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1845	609851.93	4170757.72	2.88E-03	1.28E-03	4.78E-04	2.24E-04	3.53E-04	1.28E-04
1846	609848.22	4170766.37	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
1847	609844.51	4170775.02	2.85E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
1848	609840.8	4170783.68	2.83E-03	1.26E-03	4.69E-04	2.20E-04	3.46E-04	1.25E-04
1849	609837.08	4170792.33	2.80E-03	1.25E-03	4.65E-04	2.17E-04	3.43E-04	1.24E-04
1850	609833.37	4170800.99	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
1851	609829.66	4170809.64	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
1852	609825.95	4170818.29	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1853	609822.24	4170826.95	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
1854	609818.53	4170835.6	2.59E-03	1.15E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
1855	609814.82	4170844.26	2.54E-03	1.13E-03	4.22E-04	1.98E-04	3.12E-04	1.13E-04
1856	609811.11	4170852.91	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
1857	609807.4	4170861.56	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
1858	609803.69	4170870.22	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
1859	609799.97	4170878.87	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
1860	609796.26	4170887.53	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
1861	609792.55	4170896.18	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.71E-05
1862	609788.84	4170904.83	2.12E-03	9.45E-04	3.53E-04	1.65E-04	2.60E-04	9.42E-05
1863	609776.41	4170917.03	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
1864	609767.68	4170920.57	2.09E-03	9.31E-04	3.48E-04	1.63E-04	2.57E-04	9.29E-05
1865	609758.96	4170924.11	2.10E-03	9.37E-04	3.50E-04	1.64E-04	2.58E-04	9.34E-05
1866	609750.23	4170927.65	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.38E-05
1867	609741.51	4170931.19	2.12E-03	9.42E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05
1868	609732.78	4170934.73	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05

1869	609724.06	4170938.27	2.11E-03	9.41E-04	3.51E-04	1.64E-04	2.59E-04	9.39E-05
1870	609715.33	4170941.81	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
1871	609706.61	4170945.36	2.09E-03	9.32E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
1872	609697.88	4170948.9	2.08E-03	9.25E-04	3.45E-04	1.62E-04	2.55E-04	9.23E-05
1873	609689.16	4170952.44	2.06E-03	9.16E-04	3.42E-04	1.60E-04	2.52E-04	9.13E-05
1874	609680.43	4170955.98	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
1875	609671.71	4170959.52	2.00E-03	8.92E-04	3.33E-04	1.56E-04	2.46E-04	8.89E-05
1876	609662.98	4170963.06	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.75E-05
1877	609654.26	4170966.6	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.58E-05
1878	609645.53	4170970.14	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
1879	609636.81	4170973.68	1.85E-03	8.22E-04	3.07E-04	1.44E-04	2.27E-04	8.20E-05
1880	609628.08	4170977.22	1.80E-03	8.01E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
1881	609619.36	4170980.77	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
1882	609863.06	4170731.76	2.88E-03	1.28E-03	4.78E-04	2.24E-04	3.53E-04	1.28E-04
1883	609863.2	4170722.32	2.93E-03	1.30E-03	4.87E-04	2.28E-04	3.59E-04	1.30E-04
1884	609863.34	4170712.88	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
1885	609863.49	4170703.44	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
1886	609863.63	4170694	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.73E-04	1.35E-04
1887	609863.77	4170684.56	3.06E-03	1.36E-03	5.08E-04	2.37E-04	3.75E-04	1.36E-04
1888	609863.91	4170675.12	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
1889	609864.05	4170665.68	3.07E-03	1.37E-03	5.10E-04	2.38E-04	3.76E-04	1.36E-04
1890	609864.2	4170656.24	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
1891	609864.34	4170646.8	3.05E-03	1.36E-03	5.07E-04	2.37E-04	3.74E-04	1.35E-04
1892	609864.48	4170637.36	3.02E-03	1.35E-03	5.02E-04	2.35E-04	3.71E-04	1.34E-04
1893	609864.62	4170627.92	2.99E-03	1.33E-03	4.96E-04	2.32E-04	3.66E-04	1.33E-04
1894	609869.38	4170740.48	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1895	609865.7	4170749.06	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1896	609862.02	4170757.64	2.72E-03	1.21E-03	4.52E-04	2.12E-04	3.34E-04	1.21E-04
1897	609858.35	4170766.22	2.71E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.20E-04
1898	609854.67	4170774.8	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
1899	609850.99	4170783.38	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
1900	609847.31	4170791.95	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1901	609843.63	4170800.53	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
1902	609839.95	4170809.11	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
1903	609836.27	4170817.69	2.56E-03	1.14E-03	4.26E-04	1.99E-04	3.14E-04	1.14E-04
1904	609832.6	4170826.27	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
1905	609828.92	4170834.84	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
1906	609825.24	4170843.42	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
1907	609821.56	4170852	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
1908	609817.88	4170860.58	2.34E-03	1.04E-03	3.88E-04	1.82E-04	2.87E-04	1.04E-04
1909	609814.2	4170869.16	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.01E-04
1910	609810.53	4170877.74	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
1911	609806.85	4170886.31	2.18E-03	9.69E-04	3.62E-04	1.69E-04	2.67E-04	9.66E-05
1912	609803.17	4170894.89	2.12E-03	9.44E-04	3.52E-04	1.65E-04	2.60E-04	9.41E-05
1913	609799.49	4170903.47	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
1914	609795.81	4170912.05	2.00E-03	8.92E-04	3.33E-04	1.56E-04	2.46E-04	8.90E-05
1915	609783.48	4170924.14	1.96E-03	8.74E-04	3.26E-04	1.53E-04	2.41E-04	8.71E-05
1916	609774.84	4170927.65	1.98E-03	8.80E-04	3.28E-04	1.54E-04	2.42E-04	8.78E-05
1917	609766.19	4170931.16	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.83E-05
1918	609757.54	4170934.67	2.00E-03	8.88E-04	3.32E-04	1.55E-04	2.45E-04	8.86E-05
1919	609748.89	4170938.18	2.00E-03	8.91E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
1920	609740.24	4170941.69	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.45E-04	8.89E-05

1921	609731.59	4170945.2	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
1922	609722.94	4170948.71	1.99E-03	8.87E-04	3.31E-04	1.55E-04	2.44E-04	8.85E-05
1923	609714.3	4170952.22	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
1924	609705.65	4170955.73	1.97E-03	8.77E-04	3.27E-04	1.53E-04	2.42E-04	8.74E-05
1925	609697	4170959.24	1.95E-03	8.69E-04	3.24E-04	1.52E-04	2.39E-04	8.67E-05
1926	609688.35	4170962.75	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
1927	609679.7	4170966.26	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
1928	609671.05	4170969.77	1.88E-03	8.36E-04	3.12E-04	1.46E-04	2.30E-04	8.33E-05
1929	609662.4	4170973.28	1.85E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.19E-05
1930	609653.76	4170976.79	1.81E-03	8.05E-04	3.01E-04	1.41E-04	2.22E-04	8.03E-05
1931	609645.11	4170980.3	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
1932	609636.46	4170983.81	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
1933	609627.81	4170987.32	1.69E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05
1934	609619.16	4170990.83	1.64E-03	7.29E-04	2.72E-04	1.27E-04	2.01E-04	7.27E-05
1935	609873.06	4170731.91	2.72E-03	1.21E-03	4.52E-04	2.11E-04	3.34E-04	1.21E-04
1936	609873.2	4170722.47	2.77E-03	1.23E-03	4.60E-04	2.15E-04	3.39E-04	1.23E-04
1937	609873.34	4170713.03	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
1938	609873.48	4170703.59	2.84E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
1939	609873.63	4170694.15	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
1940	609873.77	4170684.71	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
1941	609873.91	4170675.27	2.89E-03	1.29E-03	4.80E-04	2.25E-04	3.54E-04	1.28E-04
1942	609874.05	4170665.83	2.90E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.29E-04
1943	609874.19	4170656.39	2.89E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
1944	609874.34	4170646.95	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
1945	609874.48	4170637.51	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
1946	609874.62	4170628.07	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
1947	609879.41	4170740.57	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1948	609875.76	4170749.07	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1949	609872.11	4170757.58	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
1950	609868.46	4170766.09	2.57E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1951	609864.81	4170774.6	2.56E-03	1.14E-03	4.26E-04	1.99E-04	3.14E-04	1.14E-04
1952	609861.17	4170783.11	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
1953	609857.52	4170791.62	2.53E-03	1.12E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
1954	609853.87	4170800.13	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
1955	609850.22	4170808.64	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
1956	609846.57	4170817.15	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
1957	609842.92	4170825.66	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.96E-04	1.07E-04
1958	609839.27	4170834.17	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
1959	609835.62	4170842.68	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
1960	609831.97	4170851.18	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
1961	609828.33	4170859.69	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.98E-05
1962	609824.68	4170868.2	2.20E-03	9.80E-04	3.66E-04	1.71E-04	2.70E-04	9.77E-05
1963	609821.03	4170876.71	2.15E-03	9.58E-04	3.58E-04	1.67E-04	2.64E-04	9.56E-05
1964	609817.38	4170885.22	2.10E-03	9.36E-04	3.49E-04	1.63E-04	2.58E-04	9.34E-05
1965	609813.73	4170893.73	2.05E-03	9.14E-04	3.41E-04	1.60E-04	2.52E-04	9.11E-05
1966	609810.08	4170902.24	2.00E-03	8.91E-04	3.32E-04	1.56E-04	2.45E-04	8.88E-05
1967	609806.43	4170910.75	1.95E-03	8.68E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
1968	609802.78	4170919.26	1.90E-03	8.44E-04	3.15E-04	1.47E-04	2.33E-04	8.42E-05
1969	609790.56	4170931.25	1.86E-03	8.27E-04	3.09E-04	1.44E-04	2.28E-04	8.25E-05
1970	609781.98	4170934.73	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
1971	609773.4	4170938.21	1.88E-03	8.38E-04	3.13E-04	1.46E-04	2.31E-04	8.35E-05
1972	609764.82	4170941.69	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05

1973	609756.24	4170945.18	1.89E-03	8.43E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1974	609747.66	4170948.66	1.90E-03	8.44E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1975	609739.08	4170952.14	1.89E-03	8.43E-04	3.15E-04	1.47E-04	2.32E-04	8.41E-05
1976	609730.5	4170955.62	1.89E-03	8.41E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
1977	609721.92	4170959.1	1.88E-03	8.37E-04	3.12E-04	1.46E-04	2.31E-04	8.35E-05
1978	609713.35	4170962.58	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
1979	609704.77	4170966.07	1.85E-03	8.26E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
1980	609696.19	4170969.55	1.84E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
1981	609687.61	4170973.03	1.82E-03	8.08E-04	3.01E-04	1.41E-04	2.23E-04	8.06E-05
1982	609679.03	4170976.51	1.79E-03	7.97E-04	2.97E-04	1.39E-04	2.19E-04	7.95E-05
1983	609670.45	4170979.99	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
1984	609661.87	4170983.47	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.68E-05
1985	609653.29	4170986.96	1.70E-03	7.55E-04	2.82E-04	1.32E-04	2.08E-04	7.53E-05
1986	609644.71	4170990.44	1.66E-03	7.39E-04	2.76E-04	1.29E-04	2.04E-04	7.37E-05
1987	609636.14	4170993.92	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
1988	609627.56	4170997.4	1.58E-03	7.03E-04	2.62E-04	1.23E-04	1.94E-04	7.01E-05
1989	609618.98	4171000.88	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
1990	609883.06	4170732.06	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
1991	609883.2	4170722.62	2.62E-03	1.17E-03	4.35E-04	2.04E-04	3.21E-04	1.16E-04
1992	609883.34	4170713.18	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
1993	609883.48	4170703.74	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
1994	609883.63	4170694.3	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.32E-04	1.20E-04
1995	609883.77	4170684.86	2.72E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
1996	609883.91	4170675.42	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
1997	609884.05	4170665.98	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
1998	609884.19	4170656.54	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
1999	609884.33	4170647.1	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
2000	609884.48	4170637.66	2.71E-03	1.20E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
2001	609884.62	4170628.22	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
2002	609889.44	4170740.65	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
2003	609885.81	4170749.1	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
2004	609882.19	4170757.54	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.00E-04	1.09E-04
2005	609878.57	4170765.99	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2006	609874.95	4170774.44	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
2007	609871.33	4170782.88	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.97E-04	1.07E-04
2008	609867.71	4170791.33	2.40E-03	1.07E-03	3.99E-04	1.87E-04	2.95E-04	1.07E-04
2009	609864.08	4170799.77	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
2010	609860.46	4170808.22	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2011	609856.84	4170816.66	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.04E-04
2012	609853.22	4170825.11	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
2013	609849.6	4170833.56	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
2014	609845.97	4170842	2.24E-03	9.95E-04	3.71E-04	1.74E-04	2.74E-04	9.93E-05
2015	609842.35	4170850.45	2.20E-03	9.79E-04	3.65E-04	1.71E-04	2.70E-04	9.76E-05
2016	609838.73	4170858.89	2.16E-03	9.61E-04	3.59E-04	1.68E-04	2.65E-04	9.59E-05
2017	609835.11	4170867.34	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.41E-05
2018	609831.49	4170875.79	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2019	609827.87	4170884.23	2.03E-03	9.04E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
2020	609824.24	4170892.68	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
2021	609820.62	4170901.12	1.94E-03	8.64E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2022	609817	4170909.57	1.89E-03	8.43E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
2023	609813.38	4170918.01	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
2024	609809.76	4170926.46	1.80E-03	8.00E-04	2.98E-04	1.40E-04	2.20E-04	7.98E-05

2025	609797.62	4170938.36	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
2026	609789.11	4170941.82	1.77E-03	7.90E-04	2.95E-04	1.38E-04	2.18E-04	7.87E-05
2027	609780.59	4170945.27	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
2028	609772.08	4170948.73	1.79E-03	7.97E-04	2.98E-04	1.39E-04	2.20E-04	7.95E-05
2029	609763.56	4170952.19	1.80E-03	7.99E-04	2.98E-04	1.40E-04	2.20E-04	7.97E-05
2030	609755.05	4170955.64	1.80E-03	8.00E-04	2.99E-04	1.40E-04	2.20E-04	7.98E-05
2031	609746.53	4170959.1	1.80E-03	7.99E-04	2.98E-04	1.40E-04	2.20E-04	7.97E-05
2032	609738.02	4170962.55	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
2033	609729.5	4170966.01	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
2034	609720.99	4170969.47	1.78E-03	7.91E-04	2.95E-04	1.38E-04	2.18E-04	7.88E-05
2035	609712.47	4170972.92	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
2036	609703.95	4170976.38	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2037	609695.44	4170979.83	1.73E-03	7.70E-04	2.87E-04	1.34E-04	2.12E-04	7.68E-05
2038	609686.92	4170983.29	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
2039	609678.41	4170986.74	1.68E-03	7.49E-04	2.80E-04	1.31E-04	2.06E-04	7.47E-05
2040	609669.89	4170990.2	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2041	609661.38	4170993.66	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
2042	609652.86	4170997.11	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
2043	609644.35	4171000.57	1.56E-03	6.94E-04	2.59E-04	1.21E-04	1.91E-04	6.92E-05
2044	609635.83	4171004.02	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.87E-04	6.76E-05
2045	609627.32	4171007.48	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
2046	609618.8	4171010.94	1.44E-03	6.42E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
2047	609893.06	4170732.21	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2048	609893.2	4170722.77	2.48E-03	1.10E-03	4.12E-04	1.93E-04	3.04E-04	1.10E-04
2049	609893.34	4170713.33	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.09E-04	1.12E-04
2050	609893.48	4170703.89	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2051	609893.62	4170694.45	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
2052	609893.77	4170685.01	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2053	609893.91	4170675.57	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.17E-04	1.15E-04
2054	609894.05	4170666.13	2.59E-03	1.15E-03	4.31E-04	2.01E-04	3.18E-04	1.15E-04
2055	609894.19	4170656.69	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
2056	609894.33	4170647.25	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
2057	609894.48	4170637.81	2.57E-03	1.14E-03	4.26E-04	1.99E-04	3.15E-04	1.14E-04
2058	609894.62	4170628.37	2.54E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2059	609899.46	4170740.74	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2060	609895.86	4170749.13	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2061	609892.27	4170757.52	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2062	609888.67	4170765.91	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
2063	609885.07	4170774.29	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2064	609881.48	4170782.68	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2065	609877.88	4170791.07	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
2066	609874.28	4170799.46	2.27E-03	1.01E-03	3.77E-04	1.77E-04	2.79E-04	1.01E-04
2067	609870.69	4170807.84	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
2068	609867.09	4170816.23	2.23E-03	9.92E-04	3.70E-04	1.73E-04	2.73E-04	9.89E-05
2069	609859.9	4170833.01	2.17E-03	9.67E-04	3.61E-04	1.69E-04	2.66E-04	9.65E-05
2070	609856.3	4170841.4	2.14E-03	9.54E-04	3.56E-04	1.67E-04	2.63E-04	9.51E-05
2071	609852.7	4170849.78	2.11E-03	9.40E-04	3.51E-04	1.64E-04	2.59E-04	9.37E-05
2072	609849.1	4170858.17	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2073	609845.51	4170866.56	2.04E-03	9.08E-04	3.39E-04	1.58E-04	2.50E-04	9.05E-05
2074	609841.91	4170874.95	2.00E-03	8.91E-04	3.32E-04	1.56E-04	2.45E-04	8.88E-05
2075	609838.31	4170883.33	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.41E-04	8.71E-05
2076	609834.72	4170891.72	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05

2077	609827.52	4170908.5	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
2078	609823.93	4170916.88	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
2079	609820.33	4170925.27	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
2080	609816.73	4170933.66	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2081	609804.68	4170945.48	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
2082	609796.22	4170948.91	1.68E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05
2083	609787.77	4170952.34	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05
2084	609779.31	4170955.77	1.70E-03	7.57E-04	2.82E-04	1.32E-04	2.08E-04	7.55E-05
2085	609770.86	4170959.21	1.70E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2086	609762.4	4170962.64	1.71E-03	7.60E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
2087	609753.94	4170966.07	1.71E-03	7.59E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
2088	609745.49	4170969.5	1.70E-03	7.58E-04	2.83E-04	1.32E-04	2.09E-04	7.56E-05
2089	609737.03	4170972.93	1.70E-03	7.56E-04	2.82E-04	1.32E-04	2.08E-04	7.54E-05
2090	609728.57	4170976.37	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
2091	609720.12	4170979.8	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
2092	609711.66	4170983.23	1.67E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
2093	609703.2	4170986.66	1.65E-03	7.34E-04	2.74E-04	1.28E-04	2.02E-04	7.32E-05
2094	609694.75	4170990.09	1.63E-03	7.26E-04	2.71E-04	1.27E-04	2.00E-04	7.24E-05
2095	609686.29	4170993.53	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
2096	609677.84	4170996.96	1.59E-03	7.05E-04	2.63E-04	1.23E-04	1.94E-04	7.04E-05
2097	609669.38	4171000.39	1.56E-03	6.94E-04	2.59E-04	1.21E-04	1.91E-04	6.92E-05
2098	609660.92	4171003.82	1.53E-03	6.81E-04	2.54E-04	1.19E-04	1.88E-04	6.79E-05
2099	609652.47	4171007.25	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
2100	609644.01	4171010.69	1.47E-03	6.53E-04	2.44E-04	1.14E-04	1.80E-04	6.51E-05
2101	609635.55	4171014.12	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.76E-04	6.35E-05
2102	609627.1	4171017.55	1.40E-03	6.21E-04	2.32E-04	1.08E-04	1.71E-04	6.19E-05
2103	609903.06	4170732.36	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2104	609903.2	4170722.92	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
2105	609903.34	4170713.48	2.39E-03	1.06E-03	3.96E-04	1.85E-04	2.93E-04	1.06E-04
2106	609903.48	4170704.04	2.41E-03	1.07E-03	4.01E-04	1.87E-04	2.96E-04	1.07E-04
2107	609903.62	4170694.6	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
2108	609903.77	4170685.16	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.08E-04
2109	609903.91	4170675.72	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
2110	609904.05	4170666.28	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2111	609904.19	4170656.84	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2112	609904.33	4170647.4	2.45E-03	1.09E-03	4.07E-04	1.90E-04	3.01E-04	1.09E-04
2113	609904.47	4170637.96	2.44E-03	1.09E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2114	609904.62	4170628.52	2.42E-03	1.08E-03	4.02E-04	1.88E-04	2.96E-04	1.07E-04
2115	609909.34	4170741.17	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.81E-05
2116	609905.62	4170749.84	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
2117	609901.91	4170758.51	2.22E-03	9.86E-04	3.68E-04	1.72E-04	2.72E-04	9.83E-05
2118	609898.19	4170767.18	2.21E-03	9.84E-04	3.67E-04	1.72E-04	2.71E-04	9.82E-05
2119	609894.47	4170775.84	2.20E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.78E-05
2120	609890.76	4170784.51	2.19E-03	9.76E-04	3.64E-04	1.70E-04	2.69E-04	9.74E-05
2121	609887.04	4170793.18	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.68E-05
2122	609883.32	4170801.84	2.16E-03	9.63E-04	3.59E-04	1.68E-04	2.65E-04	9.60E-05
2123	609879.61	4170810.51	2.14E-03	9.54E-04	3.56E-04	1.67E-04	2.63E-04	9.51E-05
2124	609875.89	4170819.18	2.12E-03	9.44E-04	3.52E-04	1.65E-04	2.60E-04	9.42E-05
2125	609872.17	4170827.85	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.31E-05
2126	609868.46	4170836.51	2.07E-03	9.21E-04	3.44E-04	1.61E-04	2.54E-04	9.18E-05
2127	609864.74	4170845.18	2.04E-03	9.08E-04	3.39E-04	1.59E-04	2.50E-04	9.06E-05
2128	609861.02	4170853.85	2.01E-03	8.95E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05

2129	609857.31	4170862.51	1.98E-03	8.80E-04	3.28E-04	1.54E-04	2.42E-04	8.77E-05
2130	609853.59	4170871.18	1.94E-03	8.64E-04	3.23E-04	1.51E-04	2.38E-04	8.62E-05
2131	609849.87	4170879.85	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
2132	609846.16	4170888.52	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
2133	609842.44	4170897.18	1.83E-03	8.14E-04	3.04E-04	1.42E-04	2.24E-04	8.12E-05
2134	609838.72	4170905.85	1.79E-03	7.96E-04	2.97E-04	1.39E-04	2.19E-04	7.94E-05
2135	609835.01	4170914.52	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2136	609831.29	4170923.18	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
2137	609827.57	4170931.85	1.66E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
2138	609823.86	4170940.52	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
2139	609811.4	4170952.73	1.59E-03	7.08E-04	2.64E-04	1.24E-04	1.95E-04	7.07E-05
2140	609802.66	4170956.28	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
2141	609793.92	4170959.83	1.61E-03	7.17E-04	2.68E-04	1.25E-04	1.97E-04	7.15E-05
2142	609785.19	4170963.37	1.62E-03	7.20E-04	2.69E-04	1.26E-04	1.98E-04	7.18E-05
2143	609776.45	4170966.92	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
2144	609767.71	4170970.46	1.62E-03	7.22E-04	2.70E-04	1.26E-04	1.99E-04	7.20E-05
2145	609758.97	4170974.01	1.62E-03	7.22E-04	2.70E-04	1.26E-04	1.99E-04	7.20E-05
2146	609750.23	4170977.56	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
2147	609741.49	4170981.1	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
2148	609732.76	4170984.65	1.61E-03	7.15E-04	2.67E-04	1.25E-04	1.97E-04	7.13E-05
2149	609724.02	4170988.2	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2150	609715.28	4170991.74	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
2151	609706.54	4170995.29	1.57E-03	6.97E-04	2.60E-04	1.22E-04	1.92E-04	6.95E-05
2152	609697.8	4170998.84	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
2153	609689.07	4171002.38	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
2154	609680.33	4171005.93	1.50E-03	6.69E-04	2.50E-04	1.17E-04	1.84E-04	6.67E-05
2155	609671.59	4171009.48	1.48E-03	6.58E-04	2.45E-04	1.15E-04	1.81E-04	6.56E-05
2156	609662.85	4171013.02	1.45E-03	6.45E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
2157	609654.11	4171016.57	1.42E-03	6.32E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
2158	609645.37	4171020.11	1.39E-03	6.18E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
2159	609913.06	4170732.51	2.20E-03	9.79E-04	3.65E-04	1.71E-04	2.70E-04	9.76E-05
2160	609913.2	4170723.07	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
2161	609913.34	4170713.63	2.26E-03	1.01E-03	3.76E-04	1.76E-04	2.77E-04	1.00E-04
2162	609913.48	4170704.19	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.01E-04
2163	609913.62	4170694.75	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2164	609913.76	4170685.31	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2165	609913.91	4170675.87	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2166	609914.05	4170666.43	2.33E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
2167	609914.19	4170656.99	2.34E-03	1.04E-03	3.88E-04	1.81E-04	2.86E-04	1.04E-04
2168	609914.33	4170647.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2169	609914.47	4170638.11	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
2170	609914.62	4170628.67	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
2171	609691.06	4170600.31	8.81E-03	3.92E-03	1.46E-03	6.84E-04	1.08E-03	3.91E-04
2172	609700.62	4170597.39	7.92E-03	3.52E-03	1.32E-03	6.15E-04	9.71E-04	3.52E-04
2173	609710.18	4170594.47	7.17E-03	3.19E-03	1.19E-03	5.57E-04	8.79E-04	3.18E-04
2174	609719.74	4170591.55	6.52E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
2175	609729.3	4170588.62	5.95E-03	2.65E-03	9.89E-04	4.63E-04	7.30E-04	2.64E-04
2176	609730.94	4170600.11	6.45E-03	2.87E-03	1.07E-03	5.01E-04	7.91E-04	2.86E-04
2177	609738.86	4170585.69	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.68E-04	2.42E-04
2178	609740.51	4170597.24	5.89E-03	2.62E-03	9.79E-04	4.58E-04	7.23E-04	2.62E-04
2179	609748.42	4170582.76	5.02E-03	2.23E-03	8.34E-04	3.90E-04	6.16E-04	2.23E-04
2180	609750.08	4170594.36	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04

2181	609757.98	4170579.83	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2182	609759.64	4170591.48	4.99E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
2183	609767.54	4170576.9	4.31E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.91E-04
2184	609769.21	4170588.58	4.61E-03	2.05E-03	7.66E-04	3.58E-04	5.66E-04	2.05E-04
2185	609770.88	4170600.27	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
2186	609777.1	4170573.96	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
2187	609778.77	4170585.69	4.28E-03	1.91E-03	7.12E-04	3.33E-04	5.25E-04	1.90E-04
2188	609780.44	4170597.41	4.52E-03	2.01E-03	7.51E-04	3.51E-04	5.54E-04	2.01E-04
2189	609786.65	4170571.03	3.75E-03	1.67E-03	6.23E-04	2.91E-04	4.60E-04	1.66E-04
2190	609788.33	4170582.78	3.99E-03	1.78E-03	6.63E-04	3.10E-04	4.89E-04	1.77E-04
2191	609790.01	4170594.54	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2192	609796.21	4170568.09	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.30E-04	1.56E-04
2193	609797.47	4170576.93	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
2194	609799.16	4170588.72	3.87E-03	1.72E-03	6.43E-04	3.01E-04	4.75E-04	1.72E-04
2195	609800.84	4170600.5	4.04E-03	1.80E-03	6.72E-04	3.14E-04	4.96E-04	1.80E-04
2196	609805.77	4170565.16	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
2197	609807.46	4170576.97	3.49E-03	1.55E-03	5.79E-04	2.71E-04	4.28E-04	1.55E-04
2198	609809.14	4170588.78	3.66E-03	1.63E-03	6.08E-04	2.85E-04	4.49E-04	1.63E-04
2199	609810.41	4170597.64	3.78E-03	1.68E-03	6.27E-04	2.93E-04	4.63E-04	1.68E-04
2200	609815.33	4170562.22	3.09E-03	1.38E-03	5.14E-04	2.40E-04	3.79E-04	1.37E-04
2201	609817.02	4170574.05	3.27E-03	1.46E-03	5.44E-04	2.54E-04	4.01E-04	1.45E-04
2202	609818.29	4170582.93	3.39E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
2203	609819.98	4170594.77	3.54E-03	1.57E-03	5.87E-04	2.75E-04	4.33E-04	1.57E-04
2204	609824.89	4170559.28	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2205	609826.16	4170568.17	3.04E-03	1.35E-03	5.05E-04	2.36E-04	3.72E-04	1.35E-04
2206	609827.85	4170580.03	3.19E-03	1.42E-03	5.29E-04	2.48E-04	3.91E-04	1.41E-04
2207	609829.12	4170588.93	3.29E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
2208	609830.81	4170600.78	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
2209	609834.44	4170556.34	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
2210	609835.72	4170565.25	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
2211	609836.99	4170574.16	2.97E-03	1.32E-03	4.93E-04	2.31E-04	3.64E-04	1.32E-04
2212	609838.69	4170586.04	3.09E-03	1.38E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
2213	609839.96	4170594.95	3.17E-03	1.41E-03	5.27E-04	2.46E-04	3.89E-04	1.41E-04
2214	609844	4170553.4	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
2215	609845.7	4170565.3	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
2216	609846.98	4170574.23	2.83E-03	1.26E-03	4.69E-04	2.20E-04	3.47E-04	1.25E-04
2217	609848.25	4170583.15	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2218	609849.95	4170595.05	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.33E-04
2219	609853.56	4170550.47	2.45E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2220	609854.84	4170559.4	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
2221	609856.54	4170571.32	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
2222	609857.81	4170580.25	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
2223	609859.09	4170589.19	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
2224	609860.37	4170598.13	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.28E-04
2225	609863.12	4170547.53	2.32E-03	1.03E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
2226	609864.4	4170556.48	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.96E-04	1.07E-04
2227	609865.67	4170565.42	2.49E-03	1.11E-03	4.14E-04	1.94E-04	3.06E-04	1.11E-04
2228	609867.38	4170577.36	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
2229	609868.66	4170586.3	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2230	609869.93	4170595.25	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
2231	609872.67	4170544.59	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2232	609873.95	4170553.55	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.80E-04	1.02E-04

2233	609875.23	4170562.51	2.36E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
2234	609876.51	4170571.47	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2235	609877.79	4170580.43	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
2236	609879.07	4170589.39	2.55E-03	1.14E-03	4.24E-04	1.99E-04	3.13E-04	1.13E-04
2237	609880.78	4170601.34	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
2238	609882.23	4170541.65	2.10E-03	9.35E-04	3.49E-04	1.63E-04	2.58E-04	9.32E-05
2239	609883.94	4170553.61	2.20E-03	9.78E-04	3.65E-04	1.71E-04	2.69E-04	9.75E-05
2240	609885.22	4170562.58	2.27E-03	1.01E-03	3.77E-04	1.76E-04	2.78E-04	1.01E-04
2241	609886.5	4170571.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2242	609887.78	4170580.52	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
2243	609889.07	4170589.49	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
2244	609890.35	4170598.46	2.47E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
2245	609891.78	4170538.61	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
2246	609893.43	4170550.21	2.09E-03	9.29E-04	3.47E-04	1.62E-04	2.56E-04	9.27E-05
2247	609895.09	4170561.82	2.17E-03	9.65E-04	3.60E-04	1.69E-04	2.66E-04	9.63E-05
2248	609896.75	4170573.42	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
2249	609898.4	4170585.02	2.30E-03	1.03E-03	3.83E-04	1.79E-04	2.82E-04	1.02E-04
2250	609900.06	4170596.62	2.35E-03	1.05E-03	3.90E-04	1.83E-04	2.88E-04	1.04E-04
2251	609901.33	4170535.68	1.91E-03	8.49E-04	3.17E-04	1.48E-04	2.34E-04	8.47E-05
2252	609902.99	4170547.3	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
2253	609904.65	4170558.92	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2254	609906.31	4170570.55	2.13E-03	9.48E-04	3.54E-04	1.66E-04	2.61E-04	9.46E-05
2255	609907.97	4170582.17	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.70E-05
2256	609909.63	4170593.8	2.23E-03	9.93E-04	3.71E-04	1.73E-04	2.74E-04	9.91E-05
2257	609647.81	4170597.78	1.23E-02	5.48E-03	2.04E-03	9.56E-04	1.51E-03	5.46E-04
2258	609656.53	4170592.9	1.06E-02	4.70E-03	1.75E-03	8.21E-04	1.30E-03	4.69E-04
2259	609665.24	4170588	9.19E-03	4.09E-03	1.53E-03	7.14E-04	1.13E-03	4.08E-04
2260	609673.94	4170583.09	8.08E-03	3.60E-03	1.34E-03	6.28E-04	9.91E-04	3.59E-04
2261	609678.13	4170592.75	8.93E-03	3.97E-03	1.48E-03	6.94E-04	1.10E-03	3.96E-04
2262	609682.65	4170578.17	7.17E-03	3.19E-03	1.19E-03	5.57E-04	8.79E-04	3.18E-04
2263	609686.92	4170588.05	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.69E-04	3.51E-04
2264	609691.29	4170573.11	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.84E-04	2.84E-04
2265	609695.31	4170582.4	6.99E-03	3.11E-03	1.16E-03	5.43E-04	8.57E-04	3.10E-04
2266	609699.99	4170568.19	5.75E-03	2.56E-03	9.55E-04	4.47E-04	7.05E-04	2.55E-04
2267	609704.1	4170577.68	6.28E-03	2.80E-03	1.04E-03	4.88E-04	7.70E-04	2.79E-04
2268	609708.69	4170563.27	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
2269	609712.87	4170572.92	5.66E-03	2.52E-03	9.41E-04	4.40E-04	6.94E-04	2.51E-04
2270	609717.05	4170582.58	6.11E-03	2.72E-03	1.01E-03	4.75E-04	7.49E-04	2.71E-04
2271	609717.38	4170558.33	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.08E-04
2272	609721.63	4170568.14	5.13E-03	2.28E-03	8.52E-04	3.98E-04	6.29E-04	2.28E-04
2273	609725.88	4170577.95	5.52E-03	2.46E-03	9.18E-04	4.29E-04	6.77E-04	2.45E-04
2274	609726.04	4170553.31	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
2275	609730.11	4170562.7	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2276	609734.17	4170572.09	4.98E-03	2.22E-03	8.28E-04	3.87E-04	6.11E-04	2.21E-04
2277	609734.74	4170548.38	3.93E-03	1.75E-03	6.54E-04	3.06E-04	4.82E-04	1.75E-04
2278	609738.86	4170557.91	4.25E-03	1.89E-03	7.07E-04	3.31E-04	5.22E-04	1.89E-04
2279	609742.99	4170567.44	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
2280	609743.43	4170543.44	3.62E-03	1.61E-03	6.02E-04	2.82E-04	4.44E-04	1.61E-04
2281	609747.61	4170553.1	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.80E-04	1.74E-04
2282	609751.79	4170562.76	4.19E-03	1.86E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
2283	609752.12	4170538.51	3.35E-03	1.49E-03	5.57E-04	2.60E-04	4.11E-04	1.49E-04
2284	609756.36	4170548.28	3.61E-03	1.61E-03	6.00E-04	2.81E-04	4.43E-04	1.60E-04

2285	609760.59	4170558.05	3.86E-03	1.72E-03	6.42E-04	3.00E-04	4.74E-04	1.72E-04
2286	609764.82	4170567.83	4.10E-03	1.82E-03	6.80E-04	3.18E-04	5.02E-04	1.82E-04
2287	609760.82	4170533.57	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
2288	609765.1	4170543.45	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.10E-04	1.49E-04
2289	609769.37	4170553.33	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
2290	609773.65	4170563.2	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
2291	609769.48	4170528.56	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
2292	609773.62	4170538.12	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.37E-04
2293	609777.76	4170547.68	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
2294	609781.9	4170557.23	3.49E-03	1.55E-03	5.79E-04	2.71E-04	4.28E-04	1.55E-04
2295	609778.17	4170523.62	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
2296	609782.36	4170533.28	2.89E-03	1.28E-03	4.79E-04	2.24E-04	3.54E-04	1.28E-04
2297	609786.54	4170542.94	3.07E-03	1.37E-03	5.10E-04	2.39E-04	3.77E-04	1.36E-04
2298	609790.72	4170552.6	3.25E-03	1.44E-03	5.39E-04	2.52E-04	3.98E-04	1.44E-04
2299	609786.87	4170518.68	2.52E-03	1.12E-03	4.18E-04	1.96E-04	3.08E-04	1.12E-04
2300	609791.09	4170528.43	2.69E-03	1.20E-03	4.48E-04	2.09E-04	3.30E-04	1.20E-04
2301	609795.31	4170538.18	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
2302	609799.53	4170547.94	3.03E-03	1.35E-03	5.03E-04	2.35E-04	3.71E-04	1.34E-04
2303	609795.56	4170513.74	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2304	609799.82	4170523.58	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
2305	609804.08	4170533.42	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
2306	609808.34	4170543.25	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
2307	609812.6	4170553.09	2.97E-03	1.32E-03	4.93E-04	2.30E-04	3.64E-04	1.32E-04
2308	609804.23	4170508.74	2.21E-03	9.84E-04	3.67E-04	1.72E-04	2.71E-04	9.82E-05
2309	609808.37	4170518.32	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
2310	609812.52	4170527.89	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.07E-04	1.11E-04
2311	609816.66	4170537.47	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
2312	609820.81	4170547.04	2.76E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.23E-04
2313	609812.92	4170503.8	2.08E-03	9.24E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2314	609817.1	4170513.46	2.21E-03	9.85E-04	3.68E-04	1.72E-04	2.71E-04	9.83E-05
2315	609821.28	4170523.12	2.35E-03	1.05E-03	3.90E-04	1.82E-04	2.88E-04	1.04E-04
2316	609825.46	4170532.78	2.48E-03	1.10E-03	4.11E-04	1.92E-04	3.03E-04	1.10E-04
2317	609829.64	4170542.43	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.18E-04	1.15E-04
2318	609821.61	4170498.86	1.95E-03	8.69E-04	3.24E-04	1.52E-04	2.39E-04	8.67E-05
2319	609825.82	4170508.59	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
2320	609830.04	4170518.33	2.21E-03	9.83E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2321	609834.26	4170528.07	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.85E-04	1.03E-04
2322	609838.47	4170537.8	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.99E-04	1.08E-04
2323	609830.3	4170493.91	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.16E-05
2324	609834.55	4170503.72	1.96E-03	8.72E-04	3.25E-04	1.52E-04	2.40E-04	8.70E-05
2325	609838.79	4170513.53	2.08E-03	9.25E-04	3.45E-04	1.61E-04	2.55E-04	9.22E-05
2326	609843.04	4170523.34	2.19E-03	9.74E-04	3.64E-04	1.70E-04	2.68E-04	9.72E-05
2327	609847.29	4170533.15	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
2328	609838.99	4170488.97	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
2329	609843.27	4170498.85	1.85E-03	8.23E-04	3.07E-04	1.44E-04	2.27E-04	8.21E-05
2330	609847.54	4170508.73	1.96E-03	8.72E-04	3.25E-04	1.52E-04	2.40E-04	8.70E-05
2331	609851.82	4170518.61	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2332	609856.1	4170528.48	2.16E-03	9.60E-04	3.58E-04	1.68E-04	2.65E-04	9.58E-05
2333	609860.38	4170538.36	2.24E-03	9.98E-04	3.73E-04	1.74E-04	2.75E-04	9.95E-05
2334	609847.66	4170483.98	1.65E-03	7.32E-04	2.73E-04	1.28E-04	2.02E-04	7.30E-05
2335	609851.84	4170493.64	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
2336	609856.02	4170503.3	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05

2337	609860.21	4170512.95	1.94E-03	8.63E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2338	609864.39	4170522.61	2.03E-03	9.02E-04	3.37E-04	1.57E-04	2.48E-04	9.00E-05
2339	609868.57	4170532.27	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.35E-05
2340	609856.35	4170479.03	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
2341	609860.56	4170488.76	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2342	609864.77	4170498.49	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
2343	609868.98	4170508.21	1.84E-03	8.17E-04	3.05E-04	1.43E-04	2.25E-04	8.15E-05
2344	609873.2	4170517.94	1.92E-03	8.54E-04	3.19E-04	1.49E-04	2.35E-04	8.52E-05
2345	609877.41	4170527.66	2.00E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.86E-05
2346	609865.04	4170474.09	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.59E-05
2347	609869.28	4170483.88	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
2348	609873.52	4170493.67	1.66E-03	7.38E-04	2.76E-04	1.29E-04	2.03E-04	7.36E-05
2349	609877.76	4170503.46	1.74E-03	7.75E-04	2.89E-04	1.35E-04	2.14E-04	7.73E-05
2350	609882	4170513.25	1.82E-03	8.10E-04	3.02E-04	1.41E-04	2.23E-04	8.08E-05
2351	609886.23	4170523.04	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
2352	609873.73	4170469.14	1.41E-03	6.28E-04	2.34E-04	1.10E-04	1.73E-04	6.27E-05
2353	609878	4170478.99	1.49E-03	6.65E-04	2.48E-04	1.16E-04	1.83E-04	6.63E-05
2354	609882.26	4170488.84	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
2355	609886.53	4170498.69	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
2356	609890.79	4170508.54	1.73E-03	7.69E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
2357	609895.05	4170518.39	1.80E-03	8.00E-04	2.98E-04	1.40E-04	2.20E-04	7.98E-05
2358	609622.83	4170596.92	1.49E-02	6.64E-03	2.48E-03	1.16E-03	1.83E-03	6.62E-04
2359	609634.17	4170595	1.31E-02	5.82E-03	2.17E-03	1.02E-03	1.60E-03	5.80E-04
2360	609641.46	4170588.12	1.08E-02	4.82E-03	1.80E-03	8.42E-04	1.33E-03	4.81E-04
2361	609649.18	4170581.84	9.22E-03	4.10E-03	1.53E-03	7.16E-04	1.13E-03	4.09E-04
2362	609656.44	4170574.93	7.89E-03	3.51E-03	1.31E-03	6.13E-04	9.67E-04	3.50E-04
2363	609663.75	4170568.08	6.83E-03	3.04E-03	1.13E-03	5.31E-04	8.37E-04	3.03E-04
2364	609671.36	4170561.64	6.00E-03	2.67E-03	9.97E-04	4.66E-04	7.36E-04	2.66E-04
2365	609677.17	4170569.63	6.57E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.92E-04
2366	609678.67	4170554.78	5.29E-03	2.35E-03	8.79E-04	4.11E-04	6.49E-04	2.35E-04
2367	609684.2	4170562.4	5.76E-03	2.56E-03	9.56E-04	4.47E-04	7.06E-04	2.55E-04
2368	609685.99	4170547.96	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.09E-04
2369	609693.09	4170557.73	5.21E-03	2.32E-03	8.65E-04	4.05E-04	6.39E-04	2.31E-04
2370	609693.55	4170541.45	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2371	609699.36	4170549.44	4.56E-03	2.03E-03	7.57E-04	3.54E-04	5.59E-04	2.02E-04
2372	609700.87	4170534.62	3.76E-03	1.67E-03	6.24E-04	2.92E-04	4.61E-04	1.67E-04
2373	609706.47	4170542.31	4.06E-03	1.81E-03	6.75E-04	3.16E-04	4.98E-04	1.80E-04
2374	609712.06	4170550.01	4.36E-03	1.94E-03	7.24E-04	3.39E-04	5.35E-04	1.94E-04
2375	609708.21	4170527.81	3.38E-03	1.50E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
2376	609713.63	4170535.27	3.64E-03	1.62E-03	6.05E-04	2.83E-04	4.46E-04	1.62E-04
2377	609719.05	4170542.73	3.91E-03	1.74E-03	6.50E-04	3.04E-04	4.79E-04	1.74E-04
2378	609715.74	4170521.26	3.07E-03	1.37E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
2379	609721.54	4170529.25	3.33E-03	1.48E-03	5.52E-04	2.58E-04	4.08E-04	1.48E-04
2380	609727.35	4170537.24	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
2381	609723.07	4170514.44	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.43E-04	1.24E-04
2382	609728.7	4170522.19	3.02E-03	1.34E-03	5.01E-04	2.35E-04	3.70E-04	1.34E-04
2383	609734.34	4170529.94	3.24E-03	1.44E-03	5.39E-04	2.52E-04	3.97E-04	1.44E-04
2384	609730.42	4170507.64	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
2385	609735.9	4170515.19	2.75E-03	1.22E-03	4.57E-04	2.14E-04	3.37E-04	1.22E-04
2386	609741.39	4170522.74	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.61E-04	1.31E-04
2387	609746.87	4170530.29	3.14E-03	1.40E-03	5.22E-04	2.44E-04	3.85E-04	1.39E-04
2388	609737.92	4170501.06	2.35E-03	1.05E-03	3.91E-04	1.83E-04	2.88E-04	1.04E-04

2389	609743.73	4170509.05	2.54E-03	1.13E-03	4.22E-04	1.97E-04	3.11E-04	1.13E-04
2390	609749.54	4170517.04	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
2391	609755.34	4170525.04	2.91E-03	1.30E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
2392	609745.27	4170494.26	2.16E-03	9.64E-04	3.60E-04	1.68E-04	2.65E-04	9.61E-05
2393	609750.93	4170502.05	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
2394	609756.58	4170509.83	2.50E-03	1.11E-03	4.14E-04	1.94E-04	3.06E-04	1.11E-04
2395	609762.24	4170517.62	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2396	609752.62	4170487.47	2.00E-03	8.90E-04	3.32E-04	1.55E-04	2.45E-04	8.88E-05
2397	609758.15	4170495.08	2.15E-03	9.55E-04	3.56E-04	1.67E-04	2.63E-04	9.52E-05
2398	609763.68	4170502.69	2.29E-03	1.02E-03	3.81E-04	1.78E-04	2.81E-04	1.02E-04
2399	609769.21	4170510.3	2.44E-03	1.09E-03	4.05E-04	1.90E-04	2.99E-04	1.08E-04
2400	609760.11	4170480.87	1.86E-03	8.26E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
2401	609765.91	4170488.86	1.99E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.85E-05
2402	609771.72	4170496.85	2.14E-03	9.50E-04	3.55E-04	1.66E-04	2.62E-04	9.48E-05
2403	609777.53	4170504.84	2.28E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
2404	609767.46	4170474.08	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
2405	609773.14	4170481.89	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.20E-05
2406	609778.82	4170489.7	1.97E-03	8.78E-04	3.28E-04	1.53E-04	2.42E-04	8.75E-05
2407	609784.49	4170497.52	2.10E-03	9.34E-04	3.49E-04	1.63E-04	2.57E-04	9.32E-05
2408	609790.17	4170505.33	2.22E-03	9.90E-04	3.69E-04	1.73E-04	2.73E-04	9.87E-05
2409	609774.82	4170467.29	1.60E-03	7.13E-04	2.66E-04	1.25E-04	1.96E-04	7.11E-05
2410	609780.38	4170474.95	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
2411	609785.95	4170482.61	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
2412	609791.51	4170490.27	1.94E-03	8.63E-04	3.22E-04	1.51E-04	2.38E-04	8.61E-05
2413	609797.08	4170497.93	2.05E-03	9.14E-04	3.41E-04	1.60E-04	2.52E-04	9.12E-05
2414	609782.29	4170460.67	1.49E-03	6.64E-04	2.48E-04	1.16E-04	1.83E-04	6.62E-05
2415	609788.1	4170468.67	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2416	609793.91	4170476.66	1.71E-03	7.59E-04	2.83E-04	1.32E-04	2.09E-04	7.57E-05
2417	609799.72	4170484.65	1.82E-03	8.08E-04	3.02E-04	1.41E-04	2.23E-04	8.06E-05
2418	609805.52	4170492.64	1.93E-03	8.58E-04	3.20E-04	1.50E-04	2.36E-04	8.56E-05
2419	609789.65	4170453.89	1.39E-03	6.19E-04	2.31E-04	1.08E-04	1.71E-04	6.18E-05
2420	609795.34	4170461.73	1.48E-03	6.61E-04	2.47E-04	1.15E-04	1.82E-04	6.59E-05
2421	609801.04	4170469.56	1.58E-03	7.04E-04	2.63E-04	1.23E-04	1.94E-04	7.02E-05
2422	609806.73	4170477.39	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
2423	609812.42	4170485.23	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.91E-05
2424	609797.01	4170447.11	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2425	609802.6	4170454.81	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.14E-05
2426	609808.2	4170462.5	1.47E-03	6.55E-04	2.45E-04	1.14E-04	1.81E-04	6.53E-05
2427	609813.79	4170470.2	1.56E-03	6.96E-04	2.60E-04	1.22E-04	1.92E-04	6.94E-05
2428	609819.38	4170477.89	1.65E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
2429	609824.97	4170485.59	1.74E-03	7.76E-04	2.90E-04	1.35E-04	2.14E-04	7.74E-05
2430	609804.48	4170440.48	1.22E-03	5.43E-04	2.03E-04	9.47E-05	1.50E-04	5.41E-05
2431	609810.29	4170448.47	1.30E-03	5.80E-04	2.16E-04	1.01E-04	1.60E-04	5.78E-05
2432	609816.09	4170456.46	1.39E-03	6.18E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
2433	609821.9	4170464.45	1.47E-03	6.56E-04	2.45E-04	1.15E-04	1.81E-04	6.54E-05
2434	609827.71	4170472.45	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
2435	609833.52	4170480.44	1.65E-03	7.33E-04	2.73E-04	1.28E-04	2.02E-04	7.31E-05
2436	609811.84	4170433.7	1.15E-03	5.10E-04	1.91E-04	8.91E-05	1.41E-04	5.09E-05
2437	609817.55	4170441.55	1.22E-03	5.44E-04	2.03E-04	9.50E-05	1.50E-04	5.43E-05
2438	609823.25	4170449.4	1.30E-03	5.78E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2439	609828.96	4170457.26	1.38E-03	6.14E-04	2.29E-04	1.07E-04	1.69E-04	6.12E-05
2440	609834.66	4170465.11	1.46E-03	6.49E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05

2441	609840.37	4170472.96	1.54E-03	6.84E-04	2.55E-04	1.19E-04	1.88E-04	6.82E-05
2442	609819.21	4170426.93	1.08E-03	4.81E-04	1.80E-04	8.40E-05	1.33E-04	4.80E-05
2443	609824.82	4170434.65	1.15E-03	5.12E-04	1.91E-04	8.93E-05	1.41E-04	5.10E-05
2444	609830.43	4170442.38	1.22E-03	5.43E-04	2.03E-04	9.48E-05	1.50E-04	5.41E-05
2445	609836.05	4170450.1	1.29E-03	5.75E-04	2.15E-04	1.00E-04	1.58E-04	5.73E-05
2446	609841.66	4170457.83	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.06E-05
2447	609847.27	4170465.55	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2448	609826.66	4170420.29	1.02E-03	4.55E-04	1.70E-04	7.94E-05	1.25E-04	4.53E-05
2449	609832.47	4170428.28	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
2450	609838.28	4170436.27	1.15E-03	5.14E-04	1.92E-04	8.97E-05	1.42E-04	5.13E-05
2451	609844.09	4170444.26	1.22E-03	5.45E-04	2.03E-04	9.51E-05	1.50E-04	5.43E-05
2452	609849.89	4170452.25	1.29E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.74E-05
2453	609855.7	4170460.24	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
2454	609834.03	4170413.51	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.29E-05
2455	609839.74	4170421.38	1.03E-03	4.56E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2456	609845.46	4170429.24	1.09E-03	4.84E-04	1.81E-04	8.45E-05	1.33E-04	4.83E-05
2457	609851.18	4170437.11	1.15E-03	5.12E-04	1.91E-04	8.94E-05	1.41E-04	5.11E-05
2458	609856.89	4170444.97	1.22E-03	5.41E-04	2.02E-04	9.44E-05	1.49E-04	5.39E-05
2459	609862.61	4170452.84	1.28E-03	5.70E-04	2.13E-04	9.94E-05	1.57E-04	5.68E-05
2460	609868.32	4170460.7	1.34E-03	5.98E-04	2.23E-04	1.04E-04	1.65E-04	5.96E-05
2461	609606.12	4170598.47	1.76E-02	7.82E-03	2.92E-03	1.37E-03	2.15E-03	7.80E-04
2462	609608.16	4170588.77	1.34E-02	5.95E-03	2.22E-03	1.04E-03	1.64E-03	5.94E-04
2463	609609.9	4170578.9	1.05E-02	4.67E-03	1.74E-03	8.15E-04	1.29E-03	4.66E-04
2464	609618.03	4170583.41	1.12E-02	4.99E-03	1.86E-03	8.71E-04	1.37E-03	4.98E-04
2465	609626.16	4170587.93	1.19E-02	5.29E-03	1.97E-03	9.23E-04	1.46E-03	5.27E-04
2466	609611.82	4170569.13	8.43E-03	3.75E-03	1.40E-03	6.55E-04	1.03E-03	3.74E-04
2467	609620.42	4170573.9	9.03E-03	4.02E-03	1.50E-03	7.02E-04	1.11E-03	4.01E-04
2468	609629.02	4170578.68	9.63E-03	4.29E-03	1.60E-03	7.48E-04	1.18E-03	4.27E-04
2469	609613.57	4170559.26	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
2470	609621.96	4170563.92	7.36E-03	3.27E-03	1.22E-03	5.72E-04	9.02E-04	3.26E-04
2471	609630.34	4170568.57	7.84E-03	3.49E-03	1.30E-03	6.09E-04	9.61E-04	3.48E-04
2472	609638.72	4170573.23	8.30E-03	3.69E-03	1.38E-03	6.45E-04	1.02E-03	3.68E-04
2473	609615.46	4170549.47	5.70E-03	2.54E-03	9.46E-04	4.43E-04	6.99E-04	2.53E-04
2474	609624.15	4170554.3	6.10E-03	2.72E-03	1.01E-03	4.74E-04	7.48E-04	2.71E-04
2475	609632.85	4170559.13	6.52E-03	2.90E-03	1.08E-03	5.07E-04	8.00E-04	2.90E-04
2476	609641.54	4170563.96	6.94E-03	3.09E-03	1.15E-03	5.39E-04	8.51E-04	3.08E-04
2477	609617.22	4170539.61	4.77E-03	2.12E-03	7.92E-04	3.71E-04	5.85E-04	2.12E-04
2478	609625.74	4170544.34	5.10E-03	2.27E-03	8.47E-04	3.96E-04	6.25E-04	2.26E-04
2479	609634.25	4170549.07	5.44E-03	2.42E-03	9.04E-04	4.23E-04	6.67E-04	2.42E-04
2480	609642.77	4170553.8	5.79E-03	2.58E-03	9.62E-04	4.50E-04	7.10E-04	2.57E-04
2481	609651.29	4170558.53	6.13E-03	2.73E-03	1.02E-03	4.76E-04	7.51E-04	2.72E-04
2482	609618.99	4170529.75	4.03E-03	1.80E-03	6.70E-04	3.13E-04	4.95E-04	1.79E-04
2483	609627.38	4170534.41	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
2484	609635.76	4170539.07	4.59E-03	2.04E-03	7.62E-04	3.56E-04	5.62E-04	2.04E-04
2485	609644.14	4170543.72	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
2486	609652.53	4170548.38	5.17E-03	2.30E-03	8.59E-04	4.02E-04	6.34E-04	2.30E-04
2487	609660.91	4170553.04	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.69E-04	2.42E-04
2488	609620.85	4170519.95	3.45E-03	1.53E-03	5.72E-04	2.68E-04	4.22E-04	1.53E-04
2489	609629.45	4170524.72	3.67E-03	1.63E-03	6.10E-04	2.85E-04	4.50E-04	1.63E-04
2490	609638.05	4170529.5	3.92E-03	1.74E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
2491	609646.65	4170534.28	4.18E-03	1.86E-03	6.94E-04	3.25E-04	5.12E-04	1.85E-04
2492	609655.25	4170539.05	4.44E-03	1.98E-03	7.38E-04	3.45E-04	5.44E-04	1.97E-04

2493	609663.85	4170543.83	4.70E-03	2.09E-03	7.80E-04	3.65E-04	5.76E-04	2.08E-04
2494	609622.63	4170510.1	2.97E-03	1.32E-03	4.93E-04	2.30E-04	3.64E-04	1.32E-04
2495	609631.11	4170514.81	3.15E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
2496	609639.59	4170519.52	3.36E-03	1.49E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
2497	609648.07	4170524.23	3.58E-03	1.59E-03	5.94E-04	2.78E-04	4.38E-04	1.59E-04
2498	609656.55	4170528.94	3.80E-03	1.69E-03	6.31E-04	2.95E-04	4.66E-04	1.69E-04
2499	609665.03	4170533.65	4.03E-03	1.79E-03	6.69E-04	3.13E-04	4.94E-04	1.79E-04
2500	609673.51	4170538.36	4.24E-03	1.89E-03	7.05E-04	3.30E-04	5.20E-04	1.88E-04
2501	609624.48	4170500.29	2.57E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2502	609633.14	4170505.09	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
2503	609641.79	4170509.9	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2504	609650.44	4170514.71	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
2505	609659.1	4170519.51	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.05E-04	1.46E-04
2506	609667.75	4170524.32	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.29E-04	1.55E-04
2507	609676.4	4170529.13	3.70E-03	1.65E-03	6.15E-04	2.88E-04	4.54E-04	1.64E-04
2508	609685.06	4170533.93	3.89E-03	1.73E-03	6.46E-04	3.02E-04	4.77E-04	1.73E-04
2509	609626.26	4170490.44	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
2510	609634.81	4170495.18	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04
2511	609643.36	4170499.93	2.53E-03	1.13E-03	4.20E-04	1.97E-04	3.10E-04	1.12E-04
2512	609651.9	4170504.68	2.69E-03	1.20E-03	4.47E-04	2.09E-04	3.30E-04	1.19E-04
2513	609660.45	4170509.43	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04
2514	609669	4170514.17	3.03E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
2515	609677.55	4170518.92	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.94E-04	1.42E-04
2516	609686.09	4170523.67	3.38E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
2517	609628.1	4170480.62	1.98E-03	8.82E-04	3.29E-04	1.54E-04	2.43E-04	8.79E-05
2518	609636.8	4170485.45	2.10E-03	9.33E-04	3.48E-04	1.63E-04	2.57E-04	9.30E-05
2519	609645.49	4170490.28	2.22E-03	9.89E-04	3.69E-04	1.73E-04	2.73E-04	9.87E-05
2520	609654.19	4170495.11	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.90E-04	1.05E-04
2521	609662.88	4170499.94	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
2522	609671.57	4170504.76	2.65E-03	1.18E-03	4.40E-04	2.06E-04	3.25E-04	1.18E-04
2523	609680.27	4170509.59	2.81E-03	1.25E-03	4.66E-04	2.18E-04	3.44E-04	1.25E-04
2524	609688.96	4170514.42	2.96E-03	1.32E-03	4.92E-04	2.30E-04	3.63E-04	1.32E-04
2525	609697.65	4170519.25	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
2526	609629.89	4170470.77	1.76E-03	7.81E-04	2.92E-04	1.36E-04	2.15E-04	7.79E-05
2527	609638.49	4170475.55	1.84E-03	8.21E-04	3.06E-04	1.43E-04	2.26E-04	8.18E-05
2528	609647.08	4170480.32	1.95E-03	8.66E-04	3.23E-04	1.51E-04	2.39E-04	8.64E-05
2529	609655.68	4170485.1	2.06E-03	9.18E-04	3.43E-04	1.60E-04	2.53E-04	9.16E-05
2530	609664.28	4170489.87	2.18E-03	9.72E-04	3.63E-04	1.70E-04	2.68E-04	9.69E-05
2531	609672.88	4170494.65	2.31E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
2532	609681.48	4170499.43	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.99E-04	1.08E-04
2533	609690.07	4170504.2	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2534	609698.67	4170508.98	2.72E-03	1.21E-03	4.51E-04	2.11E-04	3.33E-04	1.21E-04
2535	609707.27	4170513.75	2.85E-03	1.27E-03	4.73E-04	2.21E-04	3.49E-04	1.26E-04
2536	609631.67	4170460.93	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
2537	609640.19	4170465.66	1.63E-03	7.25E-04	2.71E-04	1.27E-04	2.00E-04	7.23E-05
2538	609648.71	4170470.39	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
2539	609657.22	4170475.12	1.81E-03	8.04E-04	3.00E-04	1.40E-04	2.21E-04	8.02E-05
2540	609665.74	4170479.85	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.49E-05
2541	609674.25	4170484.58	2.02E-03	9.00E-04	3.36E-04	1.57E-04	2.48E-04	8.98E-05
2542	609682.77	4170489.31	2.13E-03	9.50E-04	3.54E-04	1.66E-04	2.62E-04	9.47E-05
2543	609691.29	4170494.04	2.26E-03	1.00E-03	3.75E-04	1.75E-04	2.77E-04	1.00E-04
2544	609699.8	4170498.77	2.38E-03	1.06E-03	3.96E-04	1.85E-04	2.92E-04	1.06E-04

2545	609708.32	4170503.5	2.51E-03	1.12E-03	4.16E-04	1.95E-04	3.07E-04	1.11E-04
2546	609642.15	4170455.9	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.79E-04	6.46E-05
2547	609650.78	4170460.7	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.86E-04	6.75E-05
2548	609659.42	4170465.5	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
2549	609668.06	4170470.3	1.70E-03	7.56E-04	2.82E-04	1.32E-04	2.08E-04	7.54E-05
2550	609676.7	4170475.09	1.80E-03	8.00E-04	2.99E-04	1.40E-04	2.20E-04	7.98E-05
2551	609685.33	4170479.89	1.90E-03	8.46E-04	3.16E-04	1.48E-04	2.33E-04	8.44E-05
2552	609693.97	4170484.69	2.01E-03	8.95E-04	3.34E-04	1.56E-04	2.47E-04	8.93E-05
2553	609702.61	4170489.49	2.13E-03	9.46E-04	3.53E-04	1.65E-04	2.61E-04	9.43E-05
2554	609711.25	4170494.28	2.24E-03	9.96E-04	3.72E-04	1.74E-04	2.74E-04	9.94E-05
2555	609719.88	4170499.08	2.35E-03	1.05E-03	3.90E-04	1.83E-04	2.88E-04	1.04E-04
2556	609643.86	4170446.02	1.31E-03	5.82E-04	2.17E-04	1.02E-04	1.60E-04	5.81E-05
2557	609652.42	4170450.77	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.05E-05
2558	609660.98	4170455.53	1.43E-03	6.38E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
2559	609669.54	4170460.28	1.51E-03	6.73E-04	2.51E-04	1.17E-04	1.85E-04	6.71E-05
2560	609678.11	4170465.04	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
2561	609686.67	4170469.79	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
2562	609695.23	4170474.55	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
2563	609703.79	4170479.3	1.88E-03	8.39E-04	3.13E-04	1.46E-04	2.31E-04	8.37E-05
2564	609712.35	4170484.06	1.99E-03	8.84E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
2565	609720.91	4170488.81	2.09E-03	9.29E-04	3.47E-04	1.62E-04	2.56E-04	9.27E-05
2566	609729.47	4170493.57	2.19E-03	9.73E-04	3.63E-04	1.70E-04	2.68E-04	9.71E-05
2567	609654.47	4170441.07	1.23E-03	5.48E-04	2.04E-04	9.56E-05	1.51E-04	5.46E-05
2568	609663.14	4170445.88	1.29E-03	5.75E-04	2.15E-04	1.00E-04	1.58E-04	5.74E-05
2569	609671.8	4170450.7	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.04E-05
2570	609680.47	4170455.51	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2571	609689.14	4170460.33	1.52E-03	6.75E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
2572	609697.81	4170465.14	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
2573	609706.48	4170469.96	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05
2574	609715.15	4170474.77	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
2575	609723.81	4170479.59	1.88E-03	8.36E-04	3.12E-04	1.46E-04	2.30E-04	8.34E-05
2576	609732.48	4170484.4	1.97E-03	8.78E-04	3.28E-04	1.53E-04	2.42E-04	8.75E-05
2577	609664.71	4170435.92	1.17E-03	5.20E-04	1.94E-04	9.07E-05	1.43E-04	5.18E-05
2578	609673.31	4170440.7	1.23E-03	5.46E-04	2.04E-04	9.53E-05	1.50E-04	5.44E-05
2579	609681.91	4170445.47	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
2580	609690.51	4170450.25	1.36E-03	6.06E-04	2.26E-04	1.06E-04	1.67E-04	6.04E-05
2581	609699.11	4170455.02	1.44E-03	6.39E-04	2.38E-04	1.12E-04	1.76E-04	6.37E-05
2582	609707.7	4170459.8	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
2583	609716.3	4170464.58	1.60E-03	7.10E-04	2.65E-04	1.24E-04	1.96E-04	7.08E-05
2584	609724.9	4170469.35	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
2585	609733.5	4170474.13	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
2586	609742.1	4170478.9	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
2587	609640.75	4170411.77	9.52E-04	4.24E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
2588	609675.52	4170431.09	1.11E-03	4.96E-04	1.85E-04	8.66E-05	1.37E-04	4.95E-05
2589	609684.22	4170435.92	1.17E-03	5.21E-04	1.95E-04	9.10E-05	1.44E-04	5.20E-05
2590	609692.91	4170440.75	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
2591	609701.61	4170445.57	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2592	609710.3	4170450.4	1.37E-03	6.10E-04	2.28E-04	1.06E-04	1.68E-04	6.08E-05
2593	609718.99	4170455.23	1.44E-03	6.43E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
2594	609727.69	4170460.06	1.52E-03	6.77E-04	2.53E-04	1.18E-04	1.86E-04	6.75E-05
2595	609736.38	4170464.89	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
2596	609745.07	4170469.72	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05

2597	609642.54	4170401.93	8.74E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
2598	609651.17	4170406.72	8.99E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
2599	609677.05	4170421.1	1.01E-03	4.51E-04	1.68E-04	7.88E-05	1.24E-04	4.50E-05
2600	609685.68	4170425.89	1.06E-03	4.73E-04	1.77E-04	8.26E-05	1.30E-04	4.72E-05
2601	609694.31	4170430.68	1.12E-03	4.97E-04	1.85E-04	8.67E-05	1.37E-04	4.95E-05
2602	609702.94	4170435.48	1.17E-03	5.22E-04	1.95E-04	9.12E-05	1.44E-04	5.21E-05
2603	609711.57	4170440.27	1.24E-03	5.50E-04	2.05E-04	9.60E-05	1.51E-04	5.48E-05
2604	609720.2	4170445.06	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2605	609728.82	4170449.85	1.37E-03	6.09E-04	2.27E-04	1.06E-04	1.68E-04	6.07E-05
2606	609737.45	4170454.65	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.38E-05
2607	609746.08	4170459.44	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.69E-05
2608	609754.71	4170464.23	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
2609	609644.33	4170392.08	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
2610	609652.9	4170396.84	8.28E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
2611	609687.18	4170415.88	9.69E-04	4.31E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
2612	609695.75	4170420.64	1.01E-03	4.52E-04	1.69E-04	7.88E-05	1.24E-04	4.50E-05
2613	609704.32	4170425.4	1.06E-03	4.74E-04	1.77E-04	8.27E-05	1.31E-04	4.73E-05
2614	609712.89	4170430.16	1.12E-03	4.98E-04	1.86E-04	8.69E-05	1.37E-04	4.96E-05
2615	609721.46	4170434.92	1.18E-03	5.23E-04	1.95E-04	9.13E-05	1.44E-04	5.22E-05
2616	609730.03	4170439.68	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
2617	609738.6	4170444.44	1.30E-03	5.77E-04	2.15E-04	1.01E-04	1.59E-04	5.75E-05
2618	609747.17	4170449.2	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
2619	609755.74	4170453.96	1.42E-03	6.33E-04	2.36E-04	1.11E-04	1.74E-04	6.32E-05
2620	609764.3	4170458.72	1.49E-03	6.62E-04	2.47E-04	1.15E-04	1.82E-04	6.60E-05
2621	609646.16	4170382.26	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
2622	609654.81	4170387.07	7.66E-04	3.41E-04	1.27E-04	5.95E-05	9.39E-05	3.40E-05
2623	609663.47	4170391.87	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
2624	609698.08	4170411.1	9.31E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
2625	609706.74	4170415.91	9.75E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
2626	609715.39	4170420.71	1.02E-03	4.55E-04	1.70E-04	7.95E-05	1.25E-04	4.54E-05
2627	609724.04	4170425.52	1.07E-03	4.78E-04	1.78E-04	8.35E-05	1.32E-04	4.77E-05
2628	609732.7	4170430.33	1.13E-03	5.02E-04	1.87E-04	8.76E-05	1.38E-04	5.01E-05
2629	609741.35	4170435.13	1.18E-03	5.27E-04	1.97E-04	9.20E-05	1.45E-04	5.26E-05
2630	609750	4170439.94	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
2631	609758.66	4170444.75	1.30E-03	5.79E-04	2.16E-04	1.01E-04	1.59E-04	5.77E-05
2632	609767.31	4170449.55	1.36E-03	6.05E-04	2.26E-04	1.06E-04	1.67E-04	6.03E-05
2633	609775.96	4170454.36	1.42E-03	6.30E-04	2.35E-04	1.10E-04	1.74E-04	6.29E-05
2634	609647.95	4170372.42	6.93E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05
2635	609656.55	4170377.19	7.12E-04	3.17E-04	1.18E-04	5.53E-05	8.73E-05	3.16E-05
2636	609665.15	4170381.97	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
2637	609673.75	4170386.74	7.58E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
2638	609699.54	4170401.07	8.53E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
2639	609708.14	4170405.85	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
2640	609716.74	4170410.62	9.34E-04	4.16E-04	1.55E-04	7.26E-05	1.14E-04	4.14E-05
2641	609725.34	4170415.4	9.78E-04	4.35E-04	1.63E-04	7.60E-05	1.20E-04	4.34E-05
2642	609733.93	4170420.17	1.03E-03	4.57E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2643	609742.53	4170424.95	1.08E-03	4.79E-04	1.79E-04	8.36E-05	1.32E-04	4.77E-05
2644	609751.13	4170429.73	1.13E-03	5.01E-04	1.87E-04	8.75E-05	1.38E-04	5.00E-05
2645	609759.73	4170434.5	1.18E-03	5.25E-04	1.96E-04	9.17E-05	1.45E-04	5.24E-05
2646	609768.33	4170439.28	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
2647	609776.92	4170444.05	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
2648	609649.78	4170362.59	6.48E-04	2.88E-04	1.08E-04	5.03E-05	7.94E-05	2.87E-05

2649	609658.45	4170367.41	6.64E-04	2.95E-04	1.10E-04	5.16E-05	8.14E-05	2.95E-05
2650	609667.13	4170372.23	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
2651	609675.8	4170377.05	7.04E-04	3.14E-04	1.17E-04	5.47E-05	8.64E-05	3.13E-05
2652	609684.48	4170381.87	7.29E-04	3.25E-04	1.21E-04	5.67E-05	8.94E-05	3.24E-05
2653	609710.5	4170396.32	8.23E-04	3.66E-04	1.37E-04	6.40E-05	1.01E-04	3.65E-05
2654	609719.18	4170401.14	8.60E-04	3.83E-04	1.43E-04	6.68E-05	1.05E-04	3.82E-05
2655	609727.85	4170405.96	9.00E-04	4.01E-04	1.50E-04	7.00E-05	1.10E-04	4.00E-05
2656	609736.53	4170410.78	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
2657	609745.2	4170415.6	9.87E-04	4.39E-04	1.64E-04	7.67E-05	1.21E-04	4.38E-05
2658	609753.88	4170420.41	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.26E-04	4.58E-05
2659	609762.55	4170425.23	1.08E-03	4.80E-04	1.79E-04	8.39E-05	1.32E-04	4.79E-05
2660	609771.23	4170430.05	1.13E-03	5.03E-04	1.88E-04	8.78E-05	1.39E-04	5.01E-05
2661	609779.91	4170434.87	1.18E-03	5.25E-04	1.96E-04	9.16E-05	1.45E-04	5.23E-05
2662	609788.58	4170439.69	1.22E-03	5.45E-04	2.03E-04	9.52E-05	1.50E-04	5.44E-05
2663	609651.57	4170352.75	6.07E-04	2.70E-04	1.01E-04	4.71E-05	7.44E-05	2.69E-05
2664	609660.19	4170357.54	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.75E-05
2665	609668.82	4170362.33	6.37E-04	2.83E-04	1.06E-04	4.95E-05	7.81E-05	2.83E-05
2666	609677.44	4170367.12	6.56E-04	2.92E-04	1.09E-04	5.10E-05	8.04E-05	2.91E-05
2667	609686.06	4170371.91	6.77E-04	3.01E-04	1.13E-04	5.26E-05	8.30E-05	3.01E-05
2668	609720.55	4170391.06	7.91E-04	3.52E-04	1.31E-04	6.15E-05	9.70E-05	3.51E-05
2669	609729.18	4170395.85	8.26E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
2670	609737.8	4170400.64	8.64E-04	3.84E-04	1.43E-04	6.71E-05	1.06E-04	3.83E-05
2671	609746.42	4170405.43	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2672	609755.04	4170410.22	9.40E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
2673	609763.67	4170415.01	9.81E-04	4.37E-04	1.63E-04	7.62E-05	1.20E-04	4.36E-05
2674	609772.29	4170419.8	1.03E-03	4.56E-04	1.70E-04	7.97E-05	1.26E-04	4.55E-05
2675	609780.91	4170424.59	1.07E-03	4.77E-04	1.78E-04	8.32E-05	1.31E-04	4.75E-05
2676	609789.53	4170429.38	1.12E-03	4.96E-04	1.85E-04	8.67E-05	1.37E-04	4.95E-05
2677	609653.4	4170342.92	5.70E-04	2.54E-04	9.47E-05	4.43E-05	6.99E-05	2.53E-05
2678	609662.09	4170347.75	5.82E-04	2.59E-04	9.67E-05	4.52E-05	7.14E-05	2.58E-05
2679	609670.78	4170352.58	5.97E-04	2.65E-04	9.91E-05	4.64E-05	7.31E-05	2.65E-05
2680	609679.48	4170357.41	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.52E-05	2.72E-05
2681	609688.17	4170362.24	6.32E-04	2.81E-04	1.05E-04	4.91E-05	7.75E-05	2.81E-05
2682	609696.86	4170367.07	6.54E-04	2.91E-04	1.09E-04	5.08E-05	8.02E-05	2.90E-05
2683	609731.64	4170386.38	7.65E-04	3.41E-04	1.27E-04	5.95E-05	9.38E-05	3.40E-05
2684	609740.33	4170391.21	7.99E-04	3.56E-04	1.33E-04	6.21E-05	9.80E-05	3.55E-05
2685	609749.03	4170396.04	8.32E-04	3.70E-04	1.38E-04	6.47E-05	1.02E-04	3.69E-05
2686	609757.72	4170400.87	8.66E-04	3.85E-04	1.44E-04	6.73E-05	1.06E-04	3.84E-05
2687	609766.41	4170405.7	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2688	609775.11	4170410.53	9.42E-04	4.19E-04	1.56E-04	7.32E-05	1.15E-04	4.18E-05
2689	609783.8	4170415.36	9.84E-04	4.38E-04	1.64E-04	7.65E-05	1.21E-04	4.37E-05
2690	609792.49	4170420.19	1.03E-03	4.57E-04	1.71E-04	7.98E-05	1.26E-04	4.56E-05
2691	609801.19	4170425.01	1.07E-03	4.75E-04	1.77E-04	8.30E-05	1.31E-04	4.74E-05
2692	609655.19	4170333.08	5.37E-04	2.39E-04	8.92E-05	4.17E-05	6.58E-05	2.38E-05
2693	609663.83	4170337.88	5.47E-04	2.44E-04	9.09E-05	4.25E-05	6.71E-05	2.43E-05
2694	609672.48	4170342.68	5.60E-04	2.49E-04	9.30E-05	4.35E-05	6.86E-05	2.49E-05
2695	609681.12	4170347.49	5.74E-04	2.56E-04	9.54E-05	4.46E-05	7.04E-05	2.55E-05
2696	609689.77	4170352.29	5.91E-04	2.63E-04	9.82E-05	4.59E-05	7.25E-05	2.62E-05
2697	609698.41	4170357.09	6.10E-04	2.71E-04	1.01E-04	4.74E-05	7.48E-05	2.71E-05
2698	609707.05	4170361.89	6.31E-04	2.81E-04	1.05E-04	4.90E-05	7.74E-05	2.80E-05
2699	609732.99	4170376.29	7.07E-04	3.15E-04	1.17E-04	5.50E-05	8.67E-05	3.14E-05
2700	609741.63	4170381.09	7.37E-04	3.28E-04	1.22E-04	5.73E-05	9.04E-05	3.27E-05

2701	609750.27	4170385.9	7.66E-04	3.41E-04	1.27E-04	5.95E-05	9.39E-05	3.40E-05
2702	609758.92	4170390.7	7.96E-04	3.54E-04	1.32E-04	6.18E-05	9.76E-05	3.53E-05
2703	609767.56	4170395.5	8.28E-04	3.68E-04	1.37E-04	6.43E-05	1.01E-04	3.67E-05
2704	609776.21	4170400.3	8.62E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
2705	609784.85	4170405.1	9.00E-04	4.00E-04	1.49E-04	6.99E-05	1.10E-04	3.99E-05
2706	609793.49	4170409.9	9.39E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
2707	609802.14	4170414.7	9.78E-04	4.35E-04	1.62E-04	7.60E-05	1.20E-04	4.34E-05
2708	609810.78	4170419.5	1.02E-03	4.53E-04	1.69E-04	7.91E-05	1.25E-04	4.52E-05
2709	609657.01	4170323.26	5.07E-04	2.26E-04	8.42E-05	3.94E-05	6.22E-05	2.25E-05
2710	609665.72	4170328.09	5.16E-04	2.30E-04	8.58E-05	4.01E-05	6.33E-05	2.29E-05
2711	609674.43	4170332.93	5.27E-04	2.35E-04	8.76E-05	4.10E-05	6.47E-05	2.34E-05
2712	609683.14	4170337.77	5.40E-04	2.40E-04	8.97E-05	4.20E-05	6.62E-05	2.40E-05
2713	609691.85	4170342.61	5.55E-04	2.47E-04	9.22E-05	4.31E-05	6.81E-05	2.46E-05
2714	609700.56	4170347.44	5.72E-04	2.55E-04	9.50E-05	4.44E-05	7.01E-05	2.54E-05
2715	609709.27	4170352.28	5.91E-04	2.63E-04	9.81E-05	4.59E-05	7.24E-05	2.62E-05
2716	609744.11	4170371.63	6.86E-04	3.05E-04	1.14E-04	5.33E-05	8.41E-05	3.04E-05
2717	609752.82	4170376.47	7.11E-04	3.16E-04	1.18E-04	5.52E-05	8.72E-05	3.16E-05
2718	609761.53	4170381.31	7.38E-04	3.28E-04	1.23E-04	5.73E-05	9.05E-05	3.28E-05
2719	609770.24	4170386.15	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
2720	609778.95	4170390.98	7.99E-04	3.56E-04	1.33E-04	6.21E-05	9.80E-05	3.55E-05
2721	609787.66	4170395.82	8.34E-04	3.71E-04	1.38E-04	6.48E-05	1.02E-04	3.70E-05
2722	609796.37	4170400.66	8.70E-04	3.87E-04	1.44E-04	6.76E-05	1.07E-04	3.86E-05
2723	609805.08	4170405.5	9.06E-04	4.03E-04	1.51E-04	7.04E-05	1.11E-04	4.02E-05
2724	609813.79	4170410.34	9.43E-04	4.20E-04	1.57E-04	7.33E-05	1.16E-04	4.19E-05
2725	609658.81	4170313.41	4.80E-04	2.13E-04	7.97E-05	3.73E-05	5.88E-05	2.13E-05
2726	609667.47	4170318.22	4.88E-04	2.17E-04	8.10E-05	3.79E-05	5.98E-05	2.17E-05
2727	609676.13	4170323.04	4.97E-04	2.21E-04	8.26E-05	3.87E-05	6.10E-05	2.21E-05
2728	609684.8	4170327.85	5.09E-04	2.26E-04	8.45E-05	3.95E-05	6.24E-05	2.26E-05
2729	609693.46	4170332.66	5.22E-04	2.32E-04	8.67E-05	4.05E-05	6.40E-05	2.32E-05
2730	609702.12	4170337.47	5.37E-04	2.39E-04	8.91E-05	4.17E-05	6.58E-05	2.38E-05
2731	609710.78	4170342.28	5.53E-04	2.46E-04	9.19E-05	4.30E-05	6.78E-05	2.45E-05
2732	609719.45	4170347.09	5.71E-04	2.54E-04	9.49E-05	4.44E-05	7.00E-05	2.54E-05
2733	609754.1	4170366.34	6.58E-04	2.93E-04	1.09E-04	5.12E-05	8.07E-05	2.92E-05
2734	609762.76	4170371.15	6.82E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
2735	609771.42	4170375.96	7.08E-04	3.15E-04	1.18E-04	5.50E-05	8.68E-05	3.14E-05
2736	609780.08	4170380.78	7.37E-04	3.28E-04	1.22E-04	5.73E-05	9.04E-05	3.27E-05
2737	609788.75	4170385.59	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
2738	609797.41	4170390.4	8.00E-04	3.56E-04	1.33E-04	6.22E-05	9.81E-05	3.55E-05
2739	609806.07	4170395.21	8.34E-04	3.71E-04	1.38E-04	6.48E-05	1.02E-04	3.70E-05
2740	609814.73	4170400.02	8.68E-04	3.86E-04	1.44E-04	6.74E-05	1.06E-04	3.85E-05
2741	609823.4	4170404.83	9.02E-04	4.02E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
2742	609596.41	4170596.66	1.78E-02	7.93E-03	2.96E-03	1.38E-03	2.18E-03	7.90E-04
2743	609598.19	4170586.66	1.34E-02	5.95E-03	2.22E-03	1.04E-03	1.64E-03	5.94E-04
2744	609599.64	4170576.79	1.04E-02	4.65E-03	1.74E-03	8.12E-04	1.28E-03	4.64E-04
2745	609599.7	4170566.8	8.37E-03	3.73E-03	1.39E-03	6.51E-04	1.03E-03	3.72E-04
2746	609599.74	4170556.8	6.82E-03	3.04E-03	1.13E-03	5.30E-04	8.36E-04	3.03E-04
2747	609599.77	4170546.8	5.63E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
2748	609599.8	4170536.81	4.71E-03	2.09E-03	7.82E-04	3.66E-04	5.77E-04	2.09E-04
2749	609599.82	4170526.81	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
2750	609609.57	4170527.7	3.96E-03	1.76E-03	6.58E-04	3.08E-04	4.86E-04	1.76E-04
2751	609599.83	4170516.81	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
2752	609609.69	4170517.71	3.38E-03	1.50E-03	5.61E-04	2.63E-04	4.14E-04	1.50E-04

2753	609599.85	4170506.81	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
2754	609609.78	4170507.72	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
2755	609599.86	4170496.81	2.53E-03	1.13E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
2756	609609.86	4170497.72	2.52E-03	1.12E-03	4.19E-04	1.96E-04	3.09E-04	1.12E-04
2757	609599.87	4170486.81	2.21E-03	9.85E-04	3.68E-04	1.72E-04	2.71E-04	9.82E-05
2758	609609.93	4170487.73	2.21E-03	9.82E-04	3.67E-04	1.72E-04	2.71E-04	9.80E-05
2759	609609.99	4170477.73	1.95E-03	8.66E-04	3.23E-04	1.51E-04	2.39E-04	8.64E-05
2760	609620.21	4170468.67	1.73E-03	7.68E-04	2.87E-04	1.34E-04	2.12E-04	7.66E-05
2761	609620.56	4170418.7	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
2762	609599.91	4170406.82	9.78E-04	4.35E-04	1.62E-04	7.60E-05	1.20E-04	4.34E-05
2763	609610.26	4170407.76	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.28E-05
2764	609620.61	4170408.7	9.56E-04	4.26E-04	1.59E-04	7.43E-05	1.17E-04	4.25E-05
2765	609630.95	4170409.64	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
2766	609599.92	4170396.82	9.05E-04	4.03E-04	1.50E-04	7.03E-05	1.11E-04	4.02E-05
2767	609610.29	4170397.76	8.92E-04	3.97E-04	1.48E-04	6.93E-05	1.09E-04	3.96E-05
2768	609620.65	4170398.71	8.83E-04	3.93E-04	1.47E-04	6.86E-05	1.08E-04	3.92E-05
2769	609631.02	4170399.65	8.73E-04	3.89E-04	1.45E-04	6.79E-05	1.07E-04	3.88E-05
2770	609599.92	4170386.82	8.41E-04	3.74E-04	1.40E-04	6.53E-05	1.03E-04	3.73E-05
2771	609610.31	4170387.76	8.27E-04	3.68E-04	1.37E-04	6.42E-05	1.01E-04	3.67E-05
2772	609620.7	4170388.71	8.14E-04	3.62E-04	1.35E-04	6.32E-05	9.98E-05	3.61E-05
2773	609631.08	4170389.66	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
2774	609599.92	4170376.82	7.84E-04	3.49E-04	1.30E-04	6.09E-05	9.61E-05	3.48E-05
2775	609610.33	4170377.77	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
2776	609620.74	4170378.71	7.54E-04	3.36E-04	1.25E-04	5.86E-05	9.25E-05	3.35E-05
2777	609631.14	4170379.66	7.46E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
2778	609599.93	4170366.82	7.34E-04	3.27E-04	1.22E-04	5.70E-05	9.00E-05	3.26E-05
2779	609610.35	4170367.77	7.18E-04	3.19E-04	1.19E-04	5.58E-05	8.80E-05	3.19E-05
2780	609620.77	4170368.72	7.04E-04	3.13E-04	1.17E-04	5.47E-05	8.63E-05	3.12E-05
2781	609631.19	4170369.67	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.09E-05
2782	609599.93	4170356.82	6.89E-04	3.07E-04	1.14E-04	5.35E-05	8.44E-05	3.06E-05
2783	609610.37	4170357.77	6.73E-04	3.00E-04	1.12E-04	5.23E-05	8.26E-05	2.99E-05
2784	609620.8	4170358.72	6.60E-04	2.94E-04	1.10E-04	5.13E-05	8.09E-05	2.93E-05
2785	609631.24	4170359.67	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.99E-05	2.89E-05
2786	609599.93	4170346.82	6.48E-04	2.89E-04	1.08E-04	5.04E-05	7.95E-05	2.88E-05
2787	609610.38	4170347.77	6.34E-04	2.82E-04	1.05E-04	4.92E-05	7.77E-05	2.81E-05
2788	609620.84	4170348.72	6.21E-04	2.76E-04	1.03E-04	4.82E-05	7.61E-05	2.76E-05
2789	609631.29	4170349.67	6.12E-04	2.72E-04	1.02E-04	4.76E-05	7.51E-05	2.72E-05
2790	609641.74	4170350.63	6.06E-04	2.70E-04	1.01E-04	4.71E-05	7.43E-05	2.69E-05
2791	609599.93	4170336.82	6.12E-04	2.72E-04	1.02E-04	4.75E-05	7.50E-05	2.72E-05
2792	609610.4	4170337.77	5.98E-04	2.66E-04	9.93E-05	4.65E-05	7.33E-05	2.65E-05
2793	609620.86	4170338.73	5.86E-04	2.61E-04	9.73E-05	4.55E-05	7.18E-05	2.60E-05
2794	609631.33	4170339.68	5.77E-04	2.57E-04	9.59E-05	4.48E-05	7.07E-05	2.56E-05
2795	609641.8	4170340.63	5.71E-04	2.54E-04	9.48E-05	4.43E-05	7.00E-05	2.53E-05
2796	609599.94	4170326.82	5.79E-04	2.58E-04	9.61E-05	4.50E-05	7.10E-05	2.57E-05
2797	609610.41	4170327.77	5.65E-04	2.52E-04	9.39E-05	4.39E-05	6.93E-05	2.51E-05
2798	609620.89	4170328.73	5.54E-04	2.46E-04	9.20E-05	4.30E-05	6.79E-05	2.46E-05
2799	609631.37	4170329.68	5.45E-04	2.43E-04	9.06E-05	4.24E-05	6.69E-05	2.42E-05
2800	609641.85	4170330.64	5.39E-04	2.40E-04	8.95E-05	4.19E-05	6.61E-05	2.39E-05
2801	609599.94	4170316.82	5.49E-04	2.44E-04	9.11E-05	4.26E-05	6.73E-05	2.44E-05
2802	609610.43	4170317.77	5.36E-04	2.39E-04	8.90E-05	4.16E-05	6.57E-05	2.38E-05
2803	609620.92	4170318.73	5.25E-04	2.34E-04	8.72E-05	4.08E-05	6.43E-05	2.33E-05
2804	609631.41	4170319.69	5.16E-04	2.30E-04	8.58E-05	4.01E-05	6.33E-05	2.29E-05

2805	609641.9	4170320.64	5.10E-04	2.27E-04	8.47E-05	3.96E-05	6.25E-05	2.26E-05
2806	609599.94	4170306.82	5.21E-04	2.32E-04	8.66E-05	4.05E-05	6.39E-05	2.31E-05
2807	609610.44	4170307.78	5.09E-04	2.27E-04	8.46E-05	3.96E-05	6.24E-05	2.26E-05
2808	609620.94	4170308.73	4.98E-04	2.22E-04	8.28E-05	3.87E-05	6.11E-05	2.21E-05
2809	609631.44	4170309.69	4.90E-04	2.18E-04	8.14E-05	3.81E-05	6.01E-05	2.18E-05
2810	609641.94	4170310.64	4.84E-04	2.15E-04	8.04E-05	3.76E-05	5.93E-05	2.15E-05
2811	609586.93	4170596.59	1.91E-02	8.48E-03	3.17E-03	1.48E-03	2.34E-03	8.46E-04
2812	609577.3	4170596.51	2.05E-02	9.11E-03	3.40E-03	1.59E-03	2.51E-03	9.08E-04
2813	609567.67	4170596.44	2.18E-02	9.70E-03	3.62E-03	1.69E-03	2.67E-03	9.68E-04
2814	609558.04	4170596.36	2.30E-02	1.02E-02	3.82E-03	1.79E-03	2.82E-03	1.02E-03
2815	609548.41	4170596.29	2.40E-02	1.07E-02	3.99E-03	1.86E-03	2.94E-03	1.06E-03
2816	609538.78	4170596.21	2.48E-02	1.10E-02	4.12E-03	1.93E-03	3.04E-03	1.10E-03
2817	609529.15	4170596.14	2.54E-02	1.13E-02	4.21E-03	1.97E-03	3.11E-03	1.13E-03
2818	609519.52	4170596.07	2.57E-02	1.15E-02	4.28E-03	2.00E-03	3.16E-03	1.14E-03
2819	609509.89	4170595.99	2.59E-02	1.15E-02	4.31E-03	2.02E-03	3.18E-03	1.15E-03
2820	609500.26	4170595.92	2.59E-02	1.15E-02	4.31E-03	2.02E-03	3.18E-03	1.15E-03
2821	609490.63	4170595.84	2.58E-02	1.15E-02	4.28E-03	2.00E-03	3.16E-03	1.14E-03
2822	609481	4170595.77	2.54E-02	1.13E-02	4.22E-03	1.97E-03	3.12E-03	1.13E-03
2823	609471.37	4170595.69	2.49E-02	1.11E-02	4.13E-03	1.93E-03	3.05E-03	1.10E-03
2824	609587.01	4170586.59	1.42E-02	6.34E-03	2.37E-03	1.11E-03	1.75E-03	6.32E-04
2825	609577.38	4170586.51	1.51E-02	6.72E-03	2.51E-03	1.17E-03	1.85E-03	6.70E-04
2826	609567.75	4170586.44	1.60E-02	7.12E-03	2.66E-03	1.24E-03	1.96E-03	7.10E-04
2827	609558.12	4170586.36	1.68E-02	7.49E-03	2.79E-03	1.31E-03	2.06E-03	7.47E-04
2828	609548.49	4170586.29	1.76E-02	7.82E-03	2.92E-03	1.36E-03	2.15E-03	7.80E-04
2829	609538.86	4170586.21	1.82E-02	8.09E-03	3.02E-03	1.41E-03	2.23E-03	8.07E-04
2830	609529.23	4170586.14	1.87E-02	8.30E-03	3.10E-03	1.45E-03	2.29E-03	8.28E-04
2831	609519.6	4170586.07	1.90E-02	8.45E-03	3.15E-03	1.48E-03	2.33E-03	8.43E-04
2832	609509.97	4170585.99	1.92E-02	8.53E-03	3.18E-03	1.49E-03	2.35E-03	8.51E-04
2833	609500.34	4170585.92	1.92E-02	8.56E-03	3.19E-03	1.49E-03	2.36E-03	8.53E-04
2834	609490.71	4170585.84	1.91E-02	8.52E-03	3.18E-03	1.49E-03	2.35E-03	8.50E-04
2835	609481.08	4170585.77	1.89E-02	8.42E-03	3.14E-03	1.47E-03	2.32E-03	8.40E-04
2836	609471.44	4170585.69	1.86E-02	8.27E-03	3.09E-03	1.44E-03	2.28E-03	8.25E-04
2837	609587.09	4170576.59	1.10E-02	4.91E-03	1.83E-03	8.57E-04	1.35E-03	4.90E-04
2838	609577.46	4170576.51	1.16E-02	5.15E-03	1.92E-03	9.00E-04	1.42E-03	5.14E-04
2839	609567.83	4170576.44	1.22E-02	5.42E-03	2.02E-03	9.46E-04	1.49E-03	5.40E-04
2840	609558.2	4170576.36	1.28E-02	5.68E-03	2.12E-03	9.91E-04	1.56E-03	5.66E-04
2841	609548.57	4170576.29	1.33E-02	5.92E-03	2.21E-03	1.03E-03	1.63E-03	5.90E-04
2842	609538.94	4170576.21	1.38E-02	6.13E-03	2.29E-03	1.07E-03	1.69E-03	6.11E-04
2843	609529.31	4170576.14	1.42E-02	6.30E-03	2.35E-03	1.10E-03	1.74E-03	6.28E-04
2844	609519.67	4170576.07	1.44E-02	6.43E-03	2.40E-03	1.12E-03	1.77E-03	6.41E-04
2845	609510.04	4170575.99	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.50E-04
2846	609500.41	4170575.92	1.47E-02	6.55E-03	2.45E-03	1.14E-03	1.81E-03	6.54E-04
2847	609490.78	4170575.84	1.47E-02	6.55E-03	2.45E-03	1.14E-03	1.81E-03	6.53E-04
2848	609481.15	4170575.77	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
2849	609423.37	4170575.32	1.30E-02	5.76E-03	2.15E-03	1.01E-03	1.59E-03	5.75E-04
2850	609587.17	4170566.59	8.76E-03	3.90E-03	1.45E-03	6.80E-04	1.07E-03	3.89E-04
2851	609577.54	4170566.51	9.12E-03	4.06E-03	1.51E-03	7.09E-04	1.12E-03	4.05E-04
2852	609567.9	4170566.44	9.52E-03	4.24E-03	1.58E-03	7.40E-04	1.17E-03	4.22E-04
2853	609558.27	4170566.36	9.93E-03	4.42E-03	1.65E-03	7.72E-04	1.22E-03	4.41E-04
2854	609548.64	4170566.29	1.03E-02	4.60E-03	1.72E-03	8.03E-04	1.27E-03	4.59E-04
2855	609539.01	4170566.21	1.07E-02	4.76E-03	1.78E-03	8.31E-04	1.31E-03	4.75E-04
2856	609529.38	4170566.14	1.10E-02	4.90E-03	1.83E-03	8.55E-04	1.35E-03	4.89E-04

2857	609519.75	4170566.07	1.13E-02	5.01E-03	1.87E-03	8.75E-04	1.38E-03	5.00E-04
2858	609510.12	4170565.99	1.15E-02	5.10E-03	1.90E-03	8.90E-04	1.40E-03	5.08E-04
2859	609500.49	4170565.92	1.16E-02	5.15E-03	1.92E-03	9.00E-04	1.42E-03	5.14E-04
2860	609490.86	4170565.84	1.16E-02	5.18E-03	1.93E-03	9.04E-04	1.43E-03	5.17E-04
2861	609587.24	4170556.59	7.08E-03	3.15E-03	1.18E-03	5.50E-04	8.68E-04	3.14E-04
2862	609577.61	4170556.51	7.33E-03	3.26E-03	1.22E-03	5.69E-04	8.98E-04	3.25E-04
2863	609567.98	4170556.44	7.61E-03	3.38E-03	1.26E-03	5.91E-04	9.32E-04	3.38E-04
2864	609558.35	4170556.36	7.90E-03	3.52E-03	1.31E-03	6.14E-04	9.68E-04	3.51E-04
2865	609548.72	4170556.29	8.20E-03	3.65E-03	1.36E-03	6.37E-04	1.01E-03	3.64E-04
2866	609539.09	4170556.22	8.49E-03	3.78E-03	1.41E-03	6.59E-04	1.04E-03	3.77E-04
2867	609529.46	4170556.14	8.74E-03	3.89E-03	1.45E-03	6.79E-04	1.07E-03	3.88E-04
2868	609519.83	4170556.07	8.97E-03	3.99E-03	1.49E-03	6.97E-04	1.10E-03	3.98E-04
2869	609510.2	4170555.99	9.16E-03	4.08E-03	1.52E-03	7.11E-04	1.12E-03	4.06E-04
2870	609462.05	4170555.62	9.50E-03	4.23E-03	1.58E-03	7.38E-04	1.17E-03	4.22E-04
2871	609452.42	4170555.55	9.49E-03	4.22E-03	1.58E-03	7.37E-04	1.16E-03	4.21E-04
2872	609442.78	4170555.47	9.45E-03	4.21E-03	1.57E-03	7.34E-04	1.16E-03	4.20E-04
2873	609433.15	4170555.4	9.39E-03	4.18E-03	1.56E-03	7.30E-04	1.15E-03	4.17E-04
2874	609587.32	4170546.59	5.81E-03	2.59E-03	9.66E-04	4.52E-04	7.13E-04	2.58E-04
2875	609577.69	4170546.51	5.99E-03	2.66E-03	9.95E-04	4.65E-04	7.34E-04	2.66E-04
2876	609568.06	4170546.44	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.58E-04	2.75E-04
2877	609558.43	4170546.36	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.85E-04	2.84E-04
2878	609548.8	4170546.29	6.63E-03	2.95E-03	1.10E-03	5.15E-04	8.13E-04	2.94E-04
2879	609539.17	4170546.22	6.86E-03	3.05E-03	1.14E-03	5.33E-04	8.41E-04	3.04E-04
2880	609529.54	4170546.14	7.07E-03	3.15E-03	1.18E-03	5.50E-04	8.67E-04	3.14E-04
2881	609519.91	4170546.07	7.28E-03	3.24E-03	1.21E-03	5.65E-04	8.92E-04	3.23E-04
2882	609471.75	4170545.69	7.92E-03	3.53E-03	1.32E-03	6.16E-04	9.71E-04	3.52E-04
2883	609462.12	4170545.62	7.98E-03	3.55E-03	1.33E-03	6.20E-04	9.79E-04	3.54E-04
2884	609452.49	4170545.55	8.03E-03	3.57E-03	1.33E-03	6.24E-04	9.85E-04	3.56E-04
2885	609442.86	4170545.47	8.05E-03	3.58E-03	1.34E-03	6.26E-04	9.88E-04	3.58E-04
2886	609433.23	4170545.4	8.05E-03	3.58E-03	1.34E-03	6.26E-04	9.88E-04	3.58E-04
2887	609423.6	4170545.32	8.02E-03	3.57E-03	1.33E-03	6.23E-04	9.84E-04	3.56E-04
2888	609587.4	4170536.59	4.83E-03	2.15E-03	8.03E-04	3.76E-04	5.93E-04	2.15E-04
2889	609577.77	4170536.51	4.96E-03	2.21E-03	8.24E-04	3.86E-04	6.08E-04	2.20E-04
2890	609568.14	4170536.44	5.11E-03	2.27E-03	8.49E-04	3.97E-04	6.27E-04	2.27E-04
2891	609558.51	4170536.36	5.27E-03	2.35E-03	8.76E-04	4.10E-04	6.47E-04	2.34E-04
2892	609548.88	4170536.29	5.45E-03	2.43E-03	9.06E-04	4.24E-04	6.68E-04	2.42E-04
2893	609539.25	4170536.22	5.64E-03	2.51E-03	9.36E-04	4.38E-04	6.91E-04	2.50E-04
2894	609529.61	4170536.14	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.13E-04	2.58E-04
2895	609481.46	4170535.77	6.59E-03	2.93E-03	1.09E-03	5.12E-04	8.08E-04	2.93E-04
2896	609471.83	4170535.69	6.70E-03	2.98E-03	1.11E-03	5.21E-04	8.21E-04	2.97E-04
2897	609462.2	4170535.62	6.80E-03	3.02E-03	1.13E-03	5.28E-04	8.33E-04	3.02E-04
2898	609452.57	4170535.55	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
2899	609442.94	4170535.47	6.94E-03	3.09E-03	1.15E-03	5.39E-04	8.51E-04	3.08E-04
2900	609433.31	4170535.4	6.98E-03	3.10E-03	1.16E-03	5.42E-04	8.55E-04	3.10E-04
2901	609423.68	4170535.32	6.99E-03	3.11E-03	1.16E-03	5.43E-04	8.57E-04	3.10E-04
2902	609587.48	4170526.59	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
2903	609577.84	4170526.51	4.17E-03	1.85E-03	6.92E-04	3.24E-04	5.11E-04	1.85E-04
2904	609568.21	4170526.44	4.28E-03	1.90E-03	7.11E-04	3.32E-04	5.25E-04	1.90E-04
2905	609558.58	4170526.36	4.41E-03	1.96E-03	7.32E-04	3.42E-04	5.40E-04	1.96E-04
2906	609548.95	4170526.29	4.55E-03	2.03E-03	7.56E-04	3.54E-04	5.58E-04	2.02E-04
2907	609500.8	4170525.92	5.33E-03	2.37E-03	8.85E-04	4.14E-04	6.53E-04	2.36E-04
2908	609491.17	4170525.84	5.47E-03	2.44E-03	9.09E-04	4.25E-04	6.71E-04	2.43E-04

2909	609481.54	4170525.77	5.61E-03	2.50E-03	9.32E-04	4.36E-04	6.88E-04	2.49E-04
2910	609471.91	4170525.69	5.73E-03	2.55E-03	9.52E-04	4.45E-04	7.03E-04	2.54E-04
2911	609462.28	4170525.62	5.85E-03	2.60E-03	9.71E-04	4.54E-04	7.17E-04	2.59E-04
2912	609452.65	4170525.55	5.95E-03	2.65E-03	9.88E-04	4.62E-04	7.29E-04	2.64E-04
2913	609443.02	4170525.47	6.03E-03	2.68E-03	1.00E-03	4.68E-04	7.39E-04	2.68E-04
2914	609433.39	4170525.4	6.09E-03	2.71E-03	1.01E-03	4.73E-04	7.47E-04	2.70E-04
2915	609423.76	4170525.32	6.13E-03	2.73E-03	1.02E-03	4.76E-04	7.51E-04	2.72E-04
2916	609587.55	4170516.59	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.24E-04	1.54E-04
2917	609577.92	4170516.51	3.54E-03	1.57E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
2918	609568.29	4170516.44	3.63E-03	1.61E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
2919	609558.66	4170516.37	3.73E-03	1.66E-03	6.20E-04	2.90E-04	4.58E-04	1.66E-04
2920	609510.51	4170515.99	4.40E-03	1.96E-03	7.31E-04	3.42E-04	5.40E-04	1.95E-04
2921	609500.88	4170515.92	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.57E-04	2.02E-04
2922	609491.25	4170515.84	4.69E-03	2.09E-03	7.78E-04	3.64E-04	5.75E-04	2.08E-04
2923	609481.62	4170515.77	4.82E-03	2.15E-03	8.01E-04	3.75E-04	5.91E-04	2.14E-04
2924	609471.99	4170515.7	4.95E-03	2.20E-03	8.23E-04	3.85E-04	6.07E-04	2.20E-04
2925	609462.36	4170515.62	5.07E-03	2.26E-03	8.43E-04	3.94E-04	6.22E-04	2.25E-04
2926	609452.72	4170515.55	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.35E-04	2.30E-04
2927	609443.09	4170515.47	5.28E-03	2.35E-03	8.76E-04	4.10E-04	6.47E-04	2.34E-04
2928	609433.46	4170515.4	5.35E-03	2.38E-03	8.89E-04	4.16E-04	6.56E-04	2.38E-04
2929	609423.83	4170515.32	5.41E-03	2.41E-03	8.98E-04	4.20E-04	6.63E-04	2.40E-04
2930	609587.63	4170506.59	2.97E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
2931	609578	4170506.51	3.04E-03	1.35E-03	5.04E-04	2.36E-04	3.72E-04	1.35E-04
2932	609568.37	4170506.44	3.11E-03	1.38E-03	5.17E-04	2.42E-04	3.81E-04	1.38E-04
2933	609520.22	4170506.07	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
2934	609510.59	4170505.99	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
2935	609500.95	4170505.92	3.92E-03	1.75E-03	6.51E-04	3.05E-04	4.81E-04	1.74E-04
2936	609491.32	4170505.84	4.06E-03	1.80E-03	6.74E-04	3.15E-04	4.97E-04	1.80E-04
2937	609481.69	4170505.77	4.19E-03	1.86E-03	6.96E-04	3.25E-04	5.13E-04	1.86E-04
2938	609472.06	4170505.7	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
2939	609462.43	4170505.62	4.44E-03	1.97E-03	7.37E-04	3.45E-04	5.44E-04	1.97E-04
2940	609452.8	4170505.55	4.55E-03	2.02E-03	7.55E-04	3.53E-04	5.58E-04	2.02E-04
2941	609443.17	4170505.47	4.65E-03	2.07E-03	7.72E-04	3.61E-04	5.70E-04	2.06E-04
2942	609433.54	4170505.4	4.73E-03	2.11E-03	7.86E-04	3.68E-04	5.80E-04	2.10E-04
2943	609423.91	4170505.32	4.80E-03	2.14E-03	7.97E-04	3.73E-04	5.88E-04	2.13E-04
2944	609587.71	4170496.59	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
2945	609539.55	4170496.22	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.62E-04	1.31E-04
2946	609529.92	4170496.14	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
2947	609520.29	4170496.07	3.17E-03	1.41E-03	5.27E-04	2.46E-04	3.89E-04	1.41E-04
2948	609510.66	4170495.99	3.29E-03	1.46E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
2949	609501.03	4170495.92	3.42E-03	1.52E-03	5.67E-04	2.65E-04	4.19E-04	1.52E-04
2950	609491.4	4170495.84	3.54E-03	1.58E-03	5.88E-04	2.75E-04	4.34E-04	1.57E-04
2951	609481.77	4170495.77	3.67E-03	1.63E-03	6.09E-04	2.85E-04	4.50E-04	1.63E-04
2952	609472.14	4170495.7	3.79E-03	1.69E-03	6.29E-04	2.94E-04	4.65E-04	1.68E-04
2953	609462.51	4170495.62	3.91E-03	1.74E-03	6.49E-04	3.04E-04	4.79E-04	1.73E-04
2954	609452.88	4170495.55	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.92E-04	1.78E-04
2955	609443.25	4170495.47	4.12E-03	1.83E-03	6.84E-04	3.20E-04	5.05E-04	1.83E-04
2956	609433.62	4170495.4	4.20E-03	1.87E-03	6.98E-04	3.27E-04	5.15E-04	1.87E-04
2957	609423.99	4170495.32	4.28E-03	1.90E-03	7.10E-04	3.32E-04	5.24E-04	1.90E-04
2958	609549.26	4170486.29	2.50E-03	1.11E-03	4.15E-04	1.94E-04	3.06E-04	1.11E-04
2959	609539.63	4170486.22	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
2960	609530	4170486.14	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04

2961	609520.37	4170486.07	2.78E-03	1.24E-03	4.62E-04	2.16E-04	3.41E-04	1.23E-04
2962	609510.74	4170485.99	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
2963	609501.11	4170485.92	3.00E-03	1.34E-03	4.99E-04	2.33E-04	3.68E-04	1.33E-04
2964	609491.48	4170485.84	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
2965	609481.85	4170485.77	3.23E-03	1.44E-03	5.37E-04	2.51E-04	3.97E-04	1.44E-04
2966	609472.22	4170485.7	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.11E-04	1.49E-04
2967	609462.59	4170485.62	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.24E-04	1.54E-04
2968	609452.96	4170485.55	3.57E-03	1.59E-03	5.93E-04	2.77E-04	4.37E-04	1.58E-04
2969	609443.33	4170485.47	3.66E-03	1.63E-03	6.09E-04	2.85E-04	4.49E-04	1.63E-04
2970	609433.7	4170485.4	3.75E-03	1.67E-03	6.23E-04	2.92E-04	4.60E-04	1.67E-04
2971	609424.06	4170485.32	3.83E-03	1.70E-03	6.36E-04	2.97E-04	4.69E-04	1.70E-04
2972	609558.97	4170476.37	2.14E-03	9.53E-04	3.56E-04	1.66E-04	2.62E-04	9.50E-05
2973	609549.34	4170476.29	2.21E-03	9.82E-04	3.67E-04	1.71E-04	2.71E-04	9.80E-05
2974	609539.71	4170476.22	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
2975	609530.08	4170476.14	2.37E-03	1.05E-03	3.93E-04	1.84E-04	2.90E-04	1.05E-04
2976	609520.45	4170476.07	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
2977	609510.82	4170475.99	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.13E-04	1.13E-04
2978	609501.19	4170475.92	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
2979	609491.56	4170475.85	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
2980	609481.93	4170475.77	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
2981	609472.29	4170475.7	2.98E-03	1.33E-03	4.95E-04	2.32E-04	3.65E-04	1.32E-04
2982	609462.66	4170475.62	3.08E-03	1.37E-03	5.12E-04	2.40E-04	3.78E-04	1.37E-04
2983	609453.03	4170475.55	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
2984	609443.4	4170475.47	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
2985	609433.77	4170475.4	3.36E-03	1.50E-03	5.59E-04	2.61E-04	4.13E-04	1.49E-04
2986	609424.14	4170475.32	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.22E-04	1.53E-04
2987	609578.31	4170466.52	1.81E-03	8.05E-04	3.00E-04	1.41E-04	2.22E-04	8.03E-05
2988	609568.68	4170466.44	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
2989	609559.05	4170466.37	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
2990	609549.42	4170466.29	1.97E-03	8.75E-04	3.26E-04	1.53E-04	2.41E-04	8.72E-05
2991	609539.79	4170466.22	2.03E-03	9.05E-04	3.38E-04	1.58E-04	2.49E-04	9.02E-05
2992	609530.16	4170466.14	2.11E-03	9.38E-04	3.50E-04	1.64E-04	2.58E-04	9.36E-05
2993	609520.53	4170466.07	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.72E-05
2994	609510.89	4170465.99	2.28E-03	1.01E-03	3.79E-04	1.77E-04	2.79E-04	1.01E-04
2995	609501.26	4170465.92	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
2996	609491.63	4170465.85	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.03E-04	1.10E-04
2997	609482	4170465.77	2.57E-03	1.14E-03	4.26E-04	1.99E-04	3.15E-04	1.14E-04
2998	609472.37	4170465.7	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
2999	609462.74	4170465.62	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
3000	609453.11	4170465.55	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.50E-04	1.27E-04
3001	609443.48	4170465.47	2.95E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3002	609433.85	4170465.4	3.03E-03	1.35E-03	5.03E-04	2.35E-04	3.71E-04	1.34E-04
3003	609424.22	4170465.32	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3004	609588.02	4170456.59	1.59E-03	7.06E-04	2.63E-04	1.23E-04	1.94E-04	7.04E-05
3005	609578.39	4170456.52	1.62E-03	7.22E-04	2.69E-04	1.26E-04	1.99E-04	7.20E-05
3006	609568.76	4170456.44	1.66E-03	7.40E-04	2.76E-04	1.29E-04	2.04E-04	7.38E-05
3007	609559.12	4170456.37	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3008	609549.49	4170456.29	1.76E-03	7.85E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
3009	609539.86	4170456.22	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.10E-05
3010	609530.23	4170456.14	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
3011	609520.6	4170456.07	1.97E-03	8.75E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3012	609510.97	4170455.99	2.05E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.08E-05

3013	609501.34	4170455.92	2.13E-03	9.48E-04	3.54E-04	1.65E-04	2.61E-04	9.45E-05
3014	609491.71	4170455.85	2.22E-03	9.87E-04	3.68E-04	1.72E-04	2.72E-04	9.84E-05
3015	609482.08	4170455.77	2.31E-03	1.03E-03	3.83E-04	1.79E-04	2.83E-04	1.02E-04
3016	609472.45	4170455.7	2.40E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
3017	609462.82	4170455.62	2.49E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
3018	609453.19	4170455.55	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
3019	609443.56	4170455.47	2.66E-03	1.18E-03	4.42E-04	2.07E-04	3.26E-04	1.18E-04
3020	609433.93	4170455.4	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3021	609424.3	4170455.32	2.81E-03	1.25E-03	4.67E-04	2.18E-04	3.44E-04	1.25E-04
3022	609588.09	4170446.59	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.75E-04	6.35E-05
3023	609578.46	4170446.52	1.46E-03	6.51E-04	2.43E-04	1.14E-04	1.79E-04	6.49E-05
3024	609568.83	4170446.44	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3025	609559.2	4170446.37	1.54E-03	6.87E-04	2.57E-04	1.20E-04	1.89E-04	6.85E-05
3026	609549.57	4170446.29	1.59E-03	7.09E-04	2.65E-04	1.24E-04	1.95E-04	7.07E-05
3027	609539.94	4170446.22	1.65E-03	7.34E-04	2.74E-04	1.28E-04	2.02E-04	7.32E-05
3028	609530.31	4170446.14	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3029	609520.68	4170446.07	1.78E-03	7.90E-04	2.95E-04	1.38E-04	2.18E-04	7.88E-05
3030	609511.05	4170446	1.85E-03	8.22E-04	3.07E-04	1.44E-04	2.27E-04	8.20E-05
3031	609501.42	4170445.92	1.92E-03	8.56E-04	3.20E-04	1.49E-04	2.36E-04	8.54E-05
3032	609491.79	4170445.85	2.00E-03	8.91E-04	3.33E-04	1.56E-04	2.46E-04	8.89E-05
3033	609482.16	4170445.77	2.08E-03	9.28E-04	3.46E-04	1.62E-04	2.56E-04	9.25E-05
3034	609472.53	4170445.7	2.17E-03	9.65E-04	3.60E-04	1.68E-04	2.66E-04	9.62E-05
3035	609462.9	4170445.62	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	9.99E-05
3036	609453.27	4170445.55	2.33E-03	1.04E-03	3.87E-04	1.81E-04	2.86E-04	1.03E-04
3037	609443.64	4170445.47	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3038	609434	4170445.4	2.48E-03	1.11E-03	4.13E-04	1.93E-04	3.05E-04	1.10E-04
3039	609424.37	4170445.33	2.55E-03	1.14E-03	4.24E-04	1.98E-04	3.13E-04	1.13E-04
3040	609588.17	4170436.59	1.30E-03	5.78E-04	2.16E-04	1.01E-04	1.59E-04	5.76E-05
3041	609578.54	4170436.52	1.33E-03	5.91E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
3042	609568.91	4170436.44	1.36E-03	6.07E-04	2.26E-04	1.06E-04	1.67E-04	6.05E-05
3043	609559.28	4170436.37	1.40E-03	6.25E-04	2.33E-04	1.09E-04	1.72E-04	6.23E-05
3044	609549.65	4170436.29	1.45E-03	6.44E-04	2.41E-04	1.13E-04	1.78E-04	6.43E-05
3045	609540.02	4170436.22	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
3046	609530.39	4170436.14	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3047	609520.76	4170436.07	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
3048	609511.13	4170436	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
3049	609501.5	4170435.92	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
3050	609491.87	4170435.85	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3051	609482.23	4170435.77	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.40E-05
3052	609472.6	4170435.7	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
3053	609462.97	4170435.62	2.04E-03	9.10E-04	3.40E-04	1.59E-04	2.51E-04	9.07E-05
3054	609453.34	4170435.55	2.12E-03	9.43E-04	3.52E-04	1.65E-04	2.60E-04	9.40E-05
3055	609443.71	4170435.47	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
3056	609434.08	4170435.4	2.26E-03	1.01E-03	3.76E-04	1.76E-04	2.77E-04	1.00E-04
3057	609424.45	4170435.33	2.33E-03	1.04E-03	3.86E-04	1.81E-04	2.85E-04	1.03E-04
3058	609588.4	4170406.59	1.00E-03	4.46E-04	1.67E-04	7.79E-05	1.23E-04	4.45E-05
3059	609578.77	4170406.52	1.03E-03	4.57E-04	1.71E-04	7.98E-05	1.26E-04	4.56E-05
3060	609569.14	4170406.44	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.68E-05
3061	609559.51	4170406.37	1.09E-03	4.84E-04	1.80E-04	8.44E-05	1.33E-04	4.82E-05
3062	609549.88	4170406.29	1.12E-03	4.99E-04	1.86E-04	8.71E-05	1.37E-04	4.98E-05
3063	609540.25	4170406.22	1.16E-03	5.16E-04	1.93E-04	9.01E-05	1.42E-04	5.14E-05
3064	609530.62	4170406.15	1.20E-03	5.34E-04	1.99E-04	9.33E-05	1.47E-04	5.33E-05

3065	609520.99	4170406.07	1.25E-03	5.54E-04	2.07E-04	9.68E-05	1.53E-04	5.53E-05
3066	609511.36	4170406	1.29E-03	5.76E-04	2.15E-04	1.00E-04	1.59E-04	5.74E-05
3067	609501.73	4170405.92	1.34E-03	5.98E-04	2.23E-04	1.04E-04	1.65E-04	5.97E-05
3068	609492.1	4170405.85	1.40E-03	6.22E-04	2.32E-04	1.09E-04	1.71E-04	6.20E-05
3069	609482.47	4170405.77	1.45E-03	6.47E-04	2.41E-04	1.13E-04	1.78E-04	6.45E-05
3070	609472.84	4170405.7	1.51E-03	6.72E-04	2.51E-04	1.17E-04	1.85E-04	6.70E-05
3071	609463.21	4170405.62	1.57E-03	6.98E-04	2.60E-04	1.22E-04	1.92E-04	6.96E-05
3072	609453.57	4170405.55	1.63E-03	7.24E-04	2.70E-04	1.26E-04	1.99E-04	7.22E-05
3073	609443.94	4170405.48	1.68E-03	7.49E-04	2.80E-04	1.31E-04	2.06E-04	7.47E-05
3074	609434.31	4170405.4	1.74E-03	7.74E-04	2.89E-04	1.35E-04	2.13E-04	7.72E-05
3075	609424.68	4170405.33	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
3076	609588.48	4170396.59	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
3077	609578.85	4170396.52	9.51E-04	4.23E-04	1.58E-04	7.39E-05	1.17E-04	4.22E-05
3078	609569.22	4170396.44	9.77E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.34E-05
3079	609559.59	4170396.37	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
3080	609549.96	4170396.29	1.04E-03	4.62E-04	1.72E-04	8.07E-05	1.27E-04	4.61E-05
3081	609540.33	4170396.22	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
3082	609530.7	4170396.15	1.11E-03	4.94E-04	1.85E-04	8.63E-05	1.36E-04	4.93E-05
3083	609521.07	4170396.07	1.15E-03	5.13E-04	1.91E-04	8.95E-05	1.41E-04	5.11E-05
3084	609511.44	4170396	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3085	609501.8	4170395.92	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
3086	609492.17	4170395.85	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
3087	609482.54	4170395.77	1.34E-03	5.97E-04	2.23E-04	1.04E-04	1.64E-04	5.95E-05
3088	609472.91	4170395.7	1.39E-03	6.20E-04	2.31E-04	1.08E-04	1.71E-04	6.18E-05
3089	609463.28	4170395.62	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
3090	609453.65	4170395.55	1.50E-03	6.67E-04	2.49E-04	1.16E-04	1.84E-04	6.65E-05
3091	609444.02	4170395.48	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3092	609434.39	4170395.4	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
3093	609424.76	4170395.33	1.65E-03	7.36E-04	2.75E-04	1.29E-04	2.03E-04	7.34E-05
3094	609588.56	4170386.59	8.63E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
3095	609578.93	4170386.52	8.85E-04	3.94E-04	1.47E-04	6.87E-05	1.08E-04	3.93E-05
3096	609569.3	4170386.44	9.09E-04	4.04E-04	1.51E-04	7.06E-05	1.11E-04	4.03E-05
3097	609559.67	4170386.37	9.36E-04	4.16E-04	1.55E-04	7.27E-05	1.15E-04	4.15E-05
3098	609550.04	4170386.29	9.65E-04	4.30E-04	1.60E-04	7.50E-05	1.18E-04	4.28E-05
3099	609540.4	4170386.22	9.97E-04	4.44E-04	1.66E-04	7.75E-05	1.22E-04	4.43E-05
3100	609530.77	4170386.15	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.27E-04	4.58E-05
3101	609521.14	4170386.07	1.07E-03	4.76E-04	1.78E-04	8.31E-05	1.31E-04	4.75E-05
3102	609511.51	4170386	1.11E-03	4.94E-04	1.84E-04	8.62E-05	1.36E-04	4.92E-05
3103	609501.88	4170385.92	1.15E-03	5.12E-04	1.91E-04	8.95E-05	1.41E-04	5.11E-05
3104	609492.25	4170385.85	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3105	609482.62	4170385.77	1.24E-03	5.53E-04	2.06E-04	9.65E-05	1.52E-04	5.51E-05
3106	609472.99	4170385.7	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.72E-05
3107	609463.36	4170385.62	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.94E-05
3108	609453.73	4170385.55	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
3109	609444.1	4170385.48	1.44E-03	6.39E-04	2.38E-04	1.12E-04	1.76E-04	6.37E-05
3110	609434.47	4170385.4	1.48E-03	6.60E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
3111	609424.84	4170385.33	1.53E-03	6.81E-04	2.54E-04	1.19E-04	1.88E-04	6.79E-05
3112	609588.63	4170376.59	8.05E-04	3.58E-04	1.34E-04	6.25E-05	9.87E-05	3.57E-05
3113	609579	4170376.52	8.25E-04	3.67E-04	1.37E-04	6.41E-05	1.01E-04	3.66E-05
3114	609569.37	4170376.44	8.48E-04	3.77E-04	1.41E-04	6.59E-05	1.04E-04	3.76E-05
3115	609559.74	4170376.37	8.73E-04	3.89E-04	1.45E-04	6.78E-05	1.07E-04	3.87E-05
3116	609550.11	4170376.29	9.00E-04	4.01E-04	1.50E-04	6.99E-05	1.10E-04	4.00E-05

3117	609540.48	4170376.22	9.30E-04	4.14E-04	1.54E-04	7.22E-05	1.14E-04	4.13E-05
3118	609530.85	4170376.15	9.62E-04	4.28E-04	1.60E-04	7.47E-05	1.18E-04	4.27E-05
3119	609521.22	4170376.07	9.96E-04	4.43E-04	1.65E-04	7.74E-05	1.22E-04	4.42E-05
3120	609511.59	4170376	1.03E-03	4.59E-04	1.71E-04	8.02E-05	1.27E-04	4.58E-05
3121	609501.96	4170375.92	1.07E-03	4.77E-04	1.78E-04	8.32E-05	1.31E-04	4.75E-05
3122	609492.33	4170375.85	1.11E-03	4.94E-04	1.85E-04	8.63E-05	1.36E-04	4.93E-05
3123	609482.7	4170375.77	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
3124	609473.07	4170375.7	1.20E-03	5.33E-04	1.99E-04	9.30E-05	1.47E-04	5.31E-05
3125	609463.44	4170375.62	1.24E-03	5.52E-04	2.06E-04	9.64E-05	1.52E-04	5.51E-05
3126	609453.81	4170375.55	1.29E-03	5.72E-04	2.14E-04	9.99E-05	1.58E-04	5.71E-05
3127	609444.18	4170375.48	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
3128	609434.55	4170375.4	1.37E-03	6.12E-04	2.28E-04	1.07E-04	1.69E-04	6.10E-05
3129	609424.92	4170375.33	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3130	609588.71	4170366.59	7.53E-04	3.35E-04	1.25E-04	5.85E-05	9.23E-05	3.34E-05
3131	609579.08	4170366.52	7.72E-04	3.44E-04	1.28E-04	6.00E-05	9.47E-05	3.43E-05
3132	609569.45	4170366.44	7.94E-04	3.53E-04	1.32E-04	6.17E-05	9.73E-05	3.52E-05
3133	609559.82	4170366.37	8.17E-04	3.64E-04	1.36E-04	6.35E-05	1.00E-04	3.63E-05
3134	609550.19	4170366.3	8.42E-04	3.75E-04	1.40E-04	6.54E-05	1.03E-04	3.74E-05
3135	609540.56	4170366.22	8.69E-04	3.87E-04	1.44E-04	6.76E-05	1.07E-04	3.86E-05
3136	609530.93	4170366.15	8.99E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
3137	609521.3	4170366.07	9.30E-04	4.14E-04	1.55E-04	7.23E-05	1.14E-04	4.13E-05
3138	609511.67	4170366	9.64E-04	4.29E-04	1.60E-04	7.49E-05	1.18E-04	4.28E-05
3139	609502.04	4170365.92	9.99E-04	4.44E-04	1.66E-04	7.76E-05	1.22E-04	4.43E-05
3140	609492.41	4170365.85	1.04E-03	4.61E-04	1.72E-04	8.05E-05	1.27E-04	4.60E-05
3141	609482.78	4170365.77	1.07E-03	4.78E-04	1.78E-04	8.35E-05	1.32E-04	4.77E-05
3142	609473.15	4170365.7	1.11E-03	4.96E-04	1.85E-04	8.65E-05	1.37E-04	4.94E-05
3143	609463.51	4170365.63	1.15E-03	5.14E-04	1.92E-04	8.97E-05	1.42E-04	5.12E-05
3144	609453.88	4170365.55	1.20E-03	5.32E-04	1.99E-04	9.29E-05	1.47E-04	5.31E-05
3145	609444.25	4170365.48	1.24E-03	5.51E-04	2.05E-04	9.61E-05	1.52E-04	5.49E-05
3146	609434.62	4170365.4	1.28E-03	5.69E-04	2.12E-04	9.93E-05	1.57E-04	5.67E-05
3147	609424.99	4170365.33	1.32E-03	5.87E-04	2.19E-04	1.02E-04	1.62E-04	5.85E-05
3148	609588.79	4170356.59	7.07E-04	3.15E-04	1.17E-04	5.49E-05	8.67E-05	3.14E-05
3149	609579.16	4170356.52	7.25E-04	3.23E-04	1.20E-04	5.63E-05	8.89E-05	3.22E-05
3150	609569.53	4170356.44	7.45E-04	3.32E-04	1.24E-04	5.79E-05	9.13E-05	3.31E-05
3151	609559.9	4170356.37	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
3152	609550.27	4170356.3	7.90E-04	3.52E-04	1.31E-04	6.14E-05	9.69E-05	3.51E-05
3153	609540.64	4170356.22	8.15E-04	3.63E-04	1.35E-04	6.34E-05	1.00E-04	3.62E-05
3154	609531.01	4170356.15	8.42E-04	3.75E-04	1.40E-04	6.55E-05	1.03E-04	3.74E-05
3155	609521.38	4170356.07	8.71E-04	3.88E-04	1.45E-04	6.77E-05	1.07E-04	3.87E-05
3156	609511.74	4170356	9.02E-04	4.01E-04	1.50E-04	7.01E-05	1.11E-04	4.00E-05
3157	609502.11	4170355.92	9.34E-04	4.16E-04	1.55E-04	7.26E-05	1.15E-04	4.15E-05
3158	609492.48	4170355.85	9.68E-04	4.31E-04	1.61E-04	7.52E-05	1.19E-04	4.30E-05
3159	609482.85	4170355.77	1.00E-03	4.47E-04	1.67E-04	7.80E-05	1.23E-04	4.45E-05
3160	609473.22	4170355.7	1.04E-03	4.63E-04	1.73E-04	8.08E-05	1.27E-04	4.61E-05
3161	609463.59	4170355.63	1.08E-03	4.79E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
3162	609453.96	4170355.55	1.11E-03	4.96E-04	1.85E-04	8.66E-05	1.37E-04	4.95E-05
3163	609444.33	4170355.48	1.15E-03	5.13E-04	1.92E-04	8.96E-05	1.41E-04	5.12E-05
3164	609434.7	4170355.4	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.29E-05
3165	609425.07	4170355.33	1.23E-03	5.47E-04	2.04E-04	9.54E-05	1.51E-04	5.45E-05
3166	609588.87	4170346.59	6.65E-04	2.96E-04	1.11E-04	5.17E-05	8.16E-05	2.95E-05
3167	609579.24	4170346.52	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
3168	609569.61	4170346.44	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.60E-05	3.11E-05

3169	609559.97	4170346.37	7.21E-04	3.21E-04	1.20E-04	5.61E-05	8.85E-05	3.20E-05
3170	609550.34	4170346.3	7.43E-04	3.31E-04	1.23E-04	5.78E-05	9.11E-05	3.30E-05
3171	609540.71	4170346.22	7.67E-04	3.41E-04	1.27E-04	5.96E-05	9.40E-05	3.40E-05
3172	609531.08	4170346.15	7.92E-04	3.52E-04	1.32E-04	6.15E-05	9.71E-05	3.51E-05
3173	609521.45	4170346.07	8.18E-04	3.64E-04	1.36E-04	6.36E-05	1.00E-04	3.63E-05
3174	609511.82	4170346	8.47E-04	3.77E-04	1.41E-04	6.58E-05	1.04E-04	3.76E-05
3175	609502.19	4170345.92	8.76E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
3176	609492.56	4170345.85	9.07E-04	4.04E-04	1.51E-04	7.05E-05	1.11E-04	4.03E-05
3177	609482.93	4170345.77	9.40E-04	4.18E-04	1.56E-04	7.30E-05	1.15E-04	4.17E-05
3178	609473.3	4170345.7	9.73E-04	4.33E-04	1.62E-04	7.56E-05	1.19E-04	4.32E-05
3179	609463.67	4170345.63	1.01E-03	4.48E-04	1.67E-04	7.83E-05	1.23E-04	4.47E-05
3180	609454.04	4170345.55	1.04E-03	4.64E-04	1.73E-04	8.10E-05	1.28E-04	4.63E-05
3181	609444.41	4170345.48	1.08E-03	4.79E-04	1.79E-04	8.37E-05	1.32E-04	4.78E-05
3182	609434.78	4170345.4	1.11E-03	4.95E-04	1.85E-04	8.64E-05	1.36E-04	4.94E-05
3183	609425.15	4170345.33	1.15E-03	5.10E-04	1.91E-04	8.91E-05	1.41E-04	5.09E-05
3184	609588.94	4170336.59	6.28E-04	2.79E-04	1.04E-04	4.88E-05	7.70E-05	2.79E-05
3185	609579.31	4170336.52	6.44E-04	2.87E-04	1.07E-04	5.00E-05	7.90E-05	2.86E-05
3186	609569.68	4170336.45	6.62E-04	2.94E-04	1.10E-04	5.14E-05	8.11E-05	2.94E-05
3187	609560.05	4170336.37	6.80E-04	3.03E-04	1.13E-04	5.29E-05	8.34E-05	3.02E-05
3188	609550.42	4170336.3	7.01E-04	3.12E-04	1.16E-04	5.45E-05	8.59E-05	3.11E-05
3189	609540.79	4170336.22	7.23E-04	3.22E-04	1.20E-04	5.61E-05	8.86E-05	3.21E-05
3190	609531.16	4170336.15	7.46E-04	3.32E-04	1.24E-04	5.79E-05	9.14E-05	3.31E-05
3191	609521.53	4170336.07	7.70E-04	3.43E-04	1.28E-04	5.99E-05	9.45E-05	3.42E-05
3192	609511.9	4170336	7.96E-04	3.54E-04	1.32E-04	6.19E-05	9.77E-05	3.54E-05
3193	609502.27	4170335.92	8.24E-04	3.67E-04	1.37E-04	6.40E-05	1.01E-04	3.66E-05
3194	609492.64	4170335.85	8.52E-04	3.79E-04	1.42E-04	6.62E-05	1.05E-04	3.78E-05
3195	609483.01	4170335.78	8.82E-04	3.93E-04	1.47E-04	6.85E-05	1.08E-04	3.92E-05
3196	609473.38	4170335.7	9.13E-04	4.06E-04	1.52E-04	7.09E-05	1.12E-04	4.05E-05
3197	609463.75	4170335.63	9.44E-04	4.20E-04	1.57E-04	7.34E-05	1.16E-04	4.19E-05
3198	609454.12	4170335.55	9.76E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.33E-05
3199	609444.49	4170335.48	1.01E-03	4.49E-04	1.68E-04	7.84E-05	1.24E-04	4.48E-05
3200	609434.85	4170335.4	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
3201	609425.22	4170335.33	1.07E-03	4.78E-04	1.78E-04	8.34E-05	1.32E-04	4.76E-05
3202	609589.02	4170326.59	5.94E-04	2.64E-04	9.87E-05	4.61E-05	7.28E-05	2.64E-05
3203	609579.39	4170326.52	6.09E-04	2.71E-04	1.01E-04	4.73E-05	7.47E-05	2.70E-05
3204	609569.76	4170326.45	6.26E-04	2.78E-04	1.04E-04	4.86E-05	7.67E-05	2.78E-05
3205	609560.13	4170326.37	6.43E-04	2.86E-04	1.07E-04	5.00E-05	7.89E-05	2.86E-05
3206	609550.5	4170326.3	6.62E-04	2.95E-04	1.10E-04	5.15E-05	8.12E-05	2.94E-05
3207	609540.87	4170326.22	6.83E-04	3.04E-04	1.13E-04	5.30E-05	8.37E-05	3.03E-05
3208	609531.24	4170326.15	7.04E-04	3.13E-04	1.17E-04	5.47E-05	8.63E-05	3.13E-05
3209	609521.61	4170326.07	7.27E-04	3.24E-04	1.21E-04	5.65E-05	8.91E-05	3.23E-05
3210	609511.98	4170326	7.51E-04	3.34E-04	1.25E-04	5.84E-05	9.21E-05	3.33E-05
3211	609502.35	4170325.92	7.76E-04	3.45E-04	1.29E-04	6.03E-05	9.52E-05	3.45E-05
3212	609492.72	4170325.85	8.03E-04	3.57E-04	1.33E-04	6.24E-05	9.84E-05	3.56E-05
3213	609483.08	4170325.78	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
3214	609473.45	4170325.7	8.58E-04	3.82E-04	1.43E-04	6.67E-05	1.05E-04	3.81E-05
3215	609463.82	4170325.63	8.87E-04	3.95E-04	1.47E-04	6.89E-05	1.09E-04	3.94E-05
3216	609454.19	4170325.55	9.17E-04	4.08E-04	1.52E-04	7.12E-05	1.12E-04	4.07E-05
3217	609444.56	4170325.48	9.47E-04	4.21E-04	1.57E-04	7.36E-05	1.16E-04	4.20E-05
3218	609434.93	4170325.4	9.77E-04	4.35E-04	1.62E-04	7.59E-05	1.20E-04	4.34E-05
3219	609425.3	4170325.33	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
3220	609589.1	4170316.59	5.63E-04	2.51E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05

3221	609579.47	4170316.52	5.77E-04	2.57E-04	9.59E-05	4.49E-05	7.08E-05	2.56E-05
3222	609569.84	4170316.45	5.93E-04	2.64E-04	9.85E-05	4.61E-05	7.27E-05	2.63E-05
3223	609560.21	4170316.37	6.09E-04	2.71E-04	1.01E-04	4.74E-05	7.47E-05	2.70E-05
3224	609550.58	4170316.3	6.27E-04	2.79E-04	1.04E-04	4.87E-05	7.69E-05	2.78E-05
3225	609540.95	4170316.22	6.46E-04	2.88E-04	1.07E-04	5.02E-05	7.92E-05	2.87E-05
3226	609531.32	4170316.15	6.66E-04	2.96E-04	1.11E-04	5.18E-05	8.17E-05	2.96E-05
3227	609521.68	4170316.07	6.87E-04	3.06E-04	1.14E-04	5.34E-05	8.43E-05	3.05E-05
3228	609512.05	4170316	7.10E-04	3.16E-04	1.18E-04	5.51E-05	8.70E-05	3.15E-05
3229	609502.42	4170315.92	7.33E-04	3.26E-04	1.22E-04	5.70E-05	8.99E-05	3.25E-05
3230	609492.79	4170315.85	7.57E-04	3.37E-04	1.26E-04	5.89E-05	9.29E-05	3.36E-05
3231	609483.16	4170315.78	7.83E-04	3.48E-04	1.30E-04	6.08E-05	9.60E-05	3.47E-05
3232	609473.53	4170315.7	8.09E-04	3.60E-04	1.34E-04	6.28E-05	9.92E-05	3.59E-05
3233	609463.9	4170315.63	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
3234	609454.27	4170315.55	8.63E-04	3.84E-04	1.43E-04	6.70E-05	1.06E-04	3.83E-05
3235	609444.64	4170315.48	8.90E-04	3.96E-04	1.48E-04	6.92E-05	1.09E-04	3.95E-05
3236	609435.01	4170315.4	9.18E-04	4.09E-04	1.53E-04	7.13E-05	1.13E-04	4.08E-05
3237	609425.38	4170315.33	9.46E-04	4.21E-04	1.57E-04	7.35E-05	1.16E-04	4.20E-05
3238	609589.18	4170306.59	5.35E-04	2.38E-04	8.88E-05	4.15E-05	6.56E-05	2.37E-05
3239	609579.55	4170306.52	5.48E-04	2.44E-04	9.11E-05	4.26E-05	6.72E-05	2.43E-05
3240	609569.91	4170306.45	5.63E-04	2.50E-04	9.35E-05	4.37E-05	6.90E-05	2.50E-05
3241	609560.28	4170306.37	5.78E-04	2.57E-04	9.61E-05	4.49E-05	7.09E-05	2.57E-05
3242	609550.65	4170306.3	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.30E-05	2.64E-05
3243	609541.02	4170306.22	6.13E-04	2.73E-04	1.02E-04	4.76E-05	7.51E-05	2.72E-05
3244	609531.39	4170306.15	6.31E-04	2.81E-04	1.05E-04	4.91E-05	7.74E-05	2.80E-05
3245	609521.76	4170306.07	6.51E-04	2.90E-04	1.08E-04	5.06E-05	7.98E-05	2.89E-05
3246	609512.13	4170306	6.72E-04	2.99E-04	1.12E-04	5.22E-05	8.24E-05	2.98E-05
3247	609502.5	4170305.92	6.94E-04	3.09E-04	1.15E-04	5.39E-05	8.50E-05	3.08E-05
3248	609492.87	4170305.85	7.16E-04	3.19E-04	1.19E-04	5.56E-05	8.78E-05	3.18E-05
3249	609483.24	4170305.78	7.40E-04	3.29E-04	1.23E-04	5.75E-05	9.07E-05	3.28E-05
3250	609473.61	4170305.7	7.64E-04	3.40E-04	1.27E-04	5.93E-05	9.36E-05	3.39E-05
3251	609463.98	4170305.63	7.88E-04	3.51E-04	1.31E-04	6.13E-05	9.67E-05	3.50E-05
3252	609454.35	4170305.55	8.13E-04	3.62E-04	1.35E-04	6.32E-05	9.97E-05	3.61E-05
3253	609444.72	4170305.48	8.39E-04	3.73E-04	1.39E-04	6.52E-05	1.03E-04	3.72E-05
3254	609435.09	4170305.4	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
3255	609425.46	4170305.33	8.91E-04	3.96E-04	1.48E-04	6.92E-05	1.09E-04	3.95E-05
3256	609410.88	4170589.52	1.61E-02	7.17E-03	2.68E-03	1.25E-03	1.97E-03	7.15E-04
3257	609397.01	4170597.56	1.70E-02	7.57E-03	2.83E-03	1.32E-03	2.09E-03	7.55E-04
3258	609389.35	4170603.51	1.76E-02	7.81E-03	2.92E-03	1.36E-03	2.15E-03	7.79E-04
3259	609381.69	4170609.45	1.78E-02	7.91E-03	2.95E-03	1.38E-03	2.18E-03	7.89E-04
3260	609374.03	4170615.4	1.77E-02	7.89E-03	2.95E-03	1.38E-03	2.17E-03	7.87E-04
3261	609366.37	4170621.34	1.75E-02	7.78E-03	2.90E-03	1.36E-03	2.14E-03	7.76E-04
3262	609358.71	4170627.28	1.71E-02	7.60E-03	2.84E-03	1.33E-03	2.09E-03	7.58E-04
3263	609320.41	4170657	1.28E-02	5.71E-03	2.13E-03	9.96E-04	1.57E-03	5.69E-04
3264	609312.76	4170662.95	1.16E-02	5.17E-03	1.93E-03	9.02E-04	1.42E-03	5.15E-04
3265	609305.1	4170668.89	1.02E-02	4.55E-03	1.70E-03	7.94E-04	1.25E-03	4.54E-04
3266	609297.44	4170674.84	8.70E-03	3.87E-03	1.45E-03	6.76E-04	1.07E-03	3.86E-04
3267	609289.78	4170680.78	7.19E-03	3.20E-03	1.19E-03	5.59E-04	8.82E-04	3.19E-04
3268	609406.81	4170580.92	1.35E-02	6.00E-03	2.24E-03	1.05E-03	1.65E-03	5.98E-04
3269	609390.88	4170589.66	1.42E-02	6.31E-03	2.36E-03	1.10E-03	1.74E-03	6.30E-04
3270	609383.22	4170595.61	1.46E-02	6.50E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
3271	609375.56	4170601.55	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.58E-04
3272	609367.9	4170607.5	1.48E-02	6.59E-03	2.46E-03	1.15E-03	1.82E-03	6.57E-04

3273	609360.24	4170613.44	1.46E-02	6.51E-03	2.43E-03	1.14E-03	1.79E-03	6.49E-04
3274	609352.58	4170619.38	1.43E-02	6.37E-03	2.38E-03	1.11E-03	1.75E-03	6.35E-04
3275	609344.92	4170625.33	1.38E-02	6.15E-03	2.30E-03	1.07E-03	1.69E-03	6.14E-04
3276	609306.62	4170655.05	9.88E-03	4.40E-03	1.64E-03	7.67E-04	1.21E-03	4.38E-04
3277	609298.97	4170660.99	8.78E-03	3.91E-03	1.46E-03	6.82E-04	1.08E-03	3.90E-04
3278	609291.31	4170666.94	7.62E-03	3.39E-03	1.27E-03	5.92E-04	9.34E-04	3.38E-04
3279	609283.65	4170672.88	6.46E-03	2.88E-03	1.07E-03	5.02E-04	7.92E-04	2.87E-04
3280	609400.17	4170573.19	1.16E-02	5.14E-03	1.92E-03	8.98E-04	1.42E-03	5.13E-04
3281	609384.75	4170581.76	1.21E-02	5.39E-03	2.01E-03	9.40E-04	1.48E-03	5.37E-04
3282	609377.09	4170587.71	1.24E-02	5.54E-03	2.07E-03	9.67E-04	1.53E-03	5.52E-04
3283	609369.43	4170593.65	1.26E-02	5.62E-03	2.10E-03	9.81E-04	1.55E-03	5.60E-04
3284	609361.77	4170599.6	1.26E-02	5.62E-03	2.10E-03	9.82E-04	1.55E-03	5.61E-04
3285	609354.11	4170605.54	1.25E-02	5.57E-03	2.08E-03	9.72E-04	1.53E-03	5.55E-04
3286	609346.45	4170611.48	1.22E-02	5.44E-03	2.03E-03	9.50E-04	1.50E-03	5.43E-04
3287	609338.79	4170617.43	1.18E-02	5.27E-03	1.97E-03	9.20E-04	1.45E-03	5.25E-04
3288	609331.13	4170623.37	1.13E-02	5.05E-03	1.88E-03	8.82E-04	1.39E-03	5.04E-04
3289	609300.49	4170647.15	8.59E-03	3.82E-03	1.43E-03	6.68E-04	1.05E-03	3.81E-04
3290	609292.83	4170653.09	7.71E-03	3.43E-03	1.28E-03	5.99E-04	9.45E-04	3.42E-04
3291	609285.17	4170659.04	6.78E-03	3.02E-03	1.13E-03	5.27E-04	8.31E-04	3.01E-04
3292	609277.52	4170664.98	5.86E-03	2.61E-03	9.74E-04	4.55E-04	7.19E-04	2.60E-04
3293	609393.72	4170565.4	1.01E-02	4.48E-03	1.67E-03	7.82E-04	1.23E-03	4.47E-04
3294	609378.62	4170573.86	1.05E-02	4.67E-03	1.74E-03	8.16E-04	1.29E-03	4.66E-04
3295	609370.96	4170579.81	1.08E-02	4.80E-03	1.79E-03	8.38E-04	1.32E-03	4.79E-04
3296	609363.3	4170585.75	1.09E-02	4.87E-03	1.82E-03	8.49E-04	1.34E-03	4.85E-04
3297	609355.64	4170591.7	1.10E-02	4.88E-03	1.82E-03	8.51E-04	1.34E-03	4.86E-04
3298	609347.98	4170597.64	1.09E-02	4.83E-03	1.80E-03	8.43E-04	1.33E-03	4.82E-04
3299	609340.32	4170603.58	1.06E-02	4.73E-03	1.77E-03	8.26E-04	1.30E-03	4.72E-04
3300	609332.66	4170609.53	1.03E-02	4.59E-03	1.71E-03	8.01E-04	1.26E-03	4.58E-04
3301	609325	4170615.47	9.89E-03	4.40E-03	1.64E-03	7.69E-04	1.21E-03	4.39E-04
3302	609286.7	4170645.19	6.87E-03	3.06E-03	1.14E-03	5.33E-04	8.42E-04	3.05E-04
3303	609279.04	4170651.14	6.11E-03	2.72E-03	1.01E-03	4.75E-04	7.49E-04	2.71E-04
3304	609271.38	4170657.08	5.36E-03	2.39E-03	8.90E-04	4.16E-04	6.57E-04	2.38E-04
3305	609388.84	4170557.08	8.86E-03	3.94E-03	1.47E-03	6.89E-04	1.09E-03	3.93E-04
3306	609414.91	4170548.26	8.31E-03	3.70E-03	1.38E-03	6.45E-04	1.02E-03	3.69E-04
3307	609380.14	4170560.02	8.91E-03	3.96E-03	1.48E-03	6.92E-04	1.09E-03	3.95E-04
3308	609372.48	4170565.96	9.23E-03	4.11E-03	1.53E-03	7.17E-04	1.13E-03	4.10E-04
3309	609364.83	4170571.91	9.46E-03	4.21E-03	1.57E-03	7.35E-04	1.16E-03	4.20E-04
3310	609357.17	4170577.85	9.59E-03	4.27E-03	1.59E-03	7.45E-04	1.18E-03	4.26E-04
3311	609349.51	4170583.79	9.62E-03	4.28E-03	1.60E-03	7.47E-04	1.18E-03	4.27E-04
3312	609341.85	4170589.74	9.54E-03	4.25E-03	1.58E-03	7.41E-04	1.17E-03	4.23E-04
3313	609334.19	4170595.68	9.37E-03	4.17E-03	1.56E-03	7.28E-04	1.15E-03	4.16E-04
3314	609326.53	4170601.63	9.10E-03	4.05E-03	1.51E-03	7.07E-04	1.12E-03	4.04E-04
3315	609318.87	4170607.57	8.76E-03	3.90E-03	1.45E-03	6.81E-04	1.07E-03	3.89E-04
3316	609311.21	4170613.51	8.35E-03	3.72E-03	1.39E-03	6.49E-04	1.02E-03	3.71E-04
3317	609280.57	4170637.29	6.19E-03	2.75E-03	1.03E-03	4.81E-04	7.59E-04	2.75E-04
3318	609272.91	4170643.23	5.56E-03	2.47E-03	9.24E-04	4.32E-04	6.82E-04	2.47E-04
3319	609265.25	4170649.18	4.93E-03	2.20E-03	8.20E-04	3.83E-04	6.05E-04	2.19E-04
3320	609398.85	4170543.72	7.66E-03	3.41E-03	1.27E-03	5.95E-04	9.39E-04	3.40E-04
3321	609366.35	4170558.06	8.20E-03	3.65E-03	1.36E-03	6.37E-04	1.01E-03	3.64E-04
3322	609358.69	4170564.01	8.39E-03	3.74E-03	1.39E-03	6.52E-04	1.03E-03	3.73E-04
3323	609351.03	4170569.95	8.50E-03	3.79E-03	1.41E-03	6.61E-04	1.04E-03	3.77E-04
3324	609343.38	4170575.89	8.53E-03	3.80E-03	1.42E-03	6.63E-04	1.05E-03	3.79E-04

3325	609335.72	4170581.84	8.47E-03	3.77E-03	1.41E-03	6.58E-04	1.04E-03	3.76E-04
3326	609328.06	4170587.78	8.33E-03	3.71E-03	1.38E-03	6.47E-04	1.02E-03	3.70E-04
3327	609320.4	4170593.73	8.11E-03	3.61E-03	1.35E-03	6.30E-04	9.95E-04	3.60E-04
3328	609312.74	4170599.67	7.82E-03	3.48E-03	1.30E-03	6.08E-04	9.59E-04	3.47E-04
3329	609305.08	4170605.61	7.48E-03	3.33E-03	1.24E-03	5.81E-04	9.17E-04	3.32E-04
3330	609297.42	4170611.56	7.08E-03	3.15E-03	1.18E-03	5.50E-04	8.68E-04	3.14E-04
3331	609266.78	4170635.33	5.10E-03	2.27E-03	8.47E-04	3.96E-04	6.25E-04	2.26E-04
3332	609259.12	4170641.28	4.57E-03	2.03E-03	7.59E-04	3.55E-04	5.60E-04	2.03E-04
3333	609391.83	4170536.12	6.90E-03	3.07E-03	1.15E-03	5.36E-04	8.46E-04	3.06E-04
3334	609407.79	4170530.72	6.57E-03	2.92E-03	1.09E-03	5.10E-04	8.05E-04	2.91E-04
3335	609360.22	4170550.16	7.34E-03	3.27E-03	1.22E-03	5.71E-04	9.00E-04	3.26E-04
3336	609352.56	4170556.11	7.51E-03	3.34E-03	1.25E-03	5.84E-04	9.21E-04	3.33E-04
3337	609344.9	4170562.05	7.61E-03	3.39E-03	1.26E-03	5.91E-04	9.33E-04	3.38E-04
3338	609337.24	4170567.99	7.63E-03	3.40E-03	1.27E-03	5.93E-04	9.36E-04	3.39E-04
3339	609329.59	4170573.94	7.58E-03	3.38E-03	1.26E-03	5.89E-04	9.30E-04	3.37E-04
3340	609321.93	4170579.88	7.47E-03	3.32E-03	1.24E-03	5.80E-04	9.16E-04	3.32E-04
3341	609314.27	4170585.83	7.29E-03	3.24E-03	1.21E-03	5.66E-04	8.93E-04	3.23E-04
3342	609306.61	4170591.77	7.04E-03	3.13E-03	1.17E-03	5.47E-04	8.63E-04	3.12E-04
3343	609298.95	4170597.71	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.27E-04	2.99E-04
3344	609291.29	4170603.66	6.40E-03	2.85E-03	1.06E-03	4.97E-04	7.85E-04	2.84E-04
3345	609260.65	4170627.43	4.71E-03	2.09E-03	7.82E-04	3.66E-04	5.77E-04	2.09E-04
3346	609252.99	4170633.38	4.25E-03	1.89E-03	7.06E-04	3.30E-04	5.21E-04	1.89E-04
3347	609379.49	4170530.32	6.33E-03	2.82E-03	1.05E-03	4.91E-04	7.76E-04	2.81E-04
3348	609388.36	4170527.32	6.21E-03	2.76E-03	1.03E-03	4.82E-04	7.61E-04	2.75E-04
3349	609397.23	4170524.32	6.05E-03	2.69E-03	1.00E-03	4.70E-04	7.42E-04	2.69E-04
3350	609406.1	4170521.32	5.86E-03	2.61E-03	9.73E-04	4.55E-04	7.18E-04	2.60E-04
3351	609414.96	4170518.32	5.64E-03	2.51E-03	9.37E-04	4.39E-04	6.92E-04	2.50E-04
3352	609354.09	4170542.26	6.63E-03	2.95E-03	1.10E-03	5.15E-04	8.12E-04	2.94E-04
3353	609346.43	4170548.21	6.77E-03	3.01E-03	1.12E-03	5.26E-04	8.30E-04	3.00E-04
3354	609338.77	4170554.15	6.85E-03	3.05E-03	1.14E-03	5.32E-04	8.40E-04	3.04E-04
3355	609331.11	4170560.09	6.88E-03	3.06E-03	1.14E-03	5.34E-04	8.43E-04	3.05E-04
3356	609323.45	4170566.04	6.84E-03	3.04E-03	1.14E-03	5.31E-04	8.38E-04	3.04E-04
3357	609315.8	4170571.98	6.74E-03	3.00E-03	1.12E-03	5.24E-04	8.26E-04	2.99E-04
3358	609308.14	4170577.93	6.58E-03	2.93E-03	1.09E-03	5.11E-04	8.07E-04	2.92E-04
3359	609300.48	4170583.87	6.37E-03	2.84E-03	1.06E-03	4.95E-04	7.81E-04	2.83E-04
3360	609292.82	4170589.81	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.72E-04
3361	609285.16	4170595.76	5.83E-03	2.59E-03	9.68E-04	4.53E-04	7.14E-04	2.59E-04
3362	609277.5	4170601.7	5.50E-03	2.45E-03	9.13E-04	4.27E-04	6.74E-04	2.44E-04
3363	609246.86	4170625.48	3.97E-03	1.77E-03	6.60E-04	3.09E-04	4.87E-04	1.76E-04
3364	609364.16	4170525.53	5.82E-03	2.59E-03	9.67E-04	4.52E-04	7.14E-04	2.58E-04
3365	609381.23	4170519.76	5.66E-03	2.52E-03	9.41E-04	4.40E-04	6.95E-04	2.51E-04
3366	609389.77	4170516.87	5.54E-03	2.46E-03	9.20E-04	4.30E-04	6.79E-04	2.46E-04
3367	609406.84	4170511.1	5.21E-03	2.32E-03	8.65E-04	4.04E-04	6.38E-04	2.31E-04
3368	609340.3	4170540.31	6.14E-03	2.73E-03	1.02E-03	4.77E-04	7.52E-04	2.72E-04
3369	609332.64	4170546.25	6.21E-03	2.76E-03	1.03E-03	4.83E-04	7.62E-04	2.76E-04
3370	609324.98	4170552.19	6.23E-03	2.77E-03	1.04E-03	4.84E-04	7.64E-04	2.77E-04
3371	609317.32	4170558.14	6.20E-03	2.76E-03	1.03E-03	4.82E-04	7.60E-04	2.75E-04
3372	609309.66	4170564.08	6.12E-03	2.72E-03	1.02E-03	4.75E-04	7.50E-04	2.71E-04
3373	609302	4170570.03	5.98E-03	2.66E-03	9.94E-04	4.65E-04	7.34E-04	2.66E-04
3374	609294.35	4170575.97	5.80E-03	2.58E-03	9.64E-04	4.51E-04	7.12E-04	2.58E-04
3375	609286.69	4170581.91	5.59E-03	2.49E-03	9.28E-04	4.34E-04	6.85E-04	2.48E-04
3376	609279.03	4170587.86	5.33E-03	2.37E-03	8.86E-04	4.15E-04	6.54E-04	2.37E-04

3377	609271.37	4170593.8	5.05E-03	2.25E-03	8.39E-04	3.92E-04	6.19E-04	2.24E-04
3378	609263.71	4170599.75	4.74E-03	2.11E-03	7.87E-04	3.68E-04	5.81E-04	2.10E-04
3379	609240.73	4170617.58	3.72E-03	1.66E-03	6.18E-04	2.89E-04	4.56E-04	1.65E-04
3380	609357.77	4170517.72	5.32E-03	2.37E-03	8.84E-04	4.13E-04	6.52E-04	2.36E-04
3381	609374.32	4170512.12	5.19E-03	2.31E-03	8.62E-04	4.03E-04	6.37E-04	2.30E-04
3382	609390.88	4170506.52	4.96E-03	2.21E-03	8.24E-04	3.85E-04	6.08E-04	2.20E-04
3383	609407.43	4170500.92	4.64E-03	2.07E-03	7.72E-04	3.61E-04	5.69E-04	2.06E-04
3384	609326.51	4170538.35	5.66E-03	2.52E-03	9.40E-04	4.40E-04	6.94E-04	2.51E-04
3385	609318.85	4170544.29	5.68E-03	2.53E-03	9.44E-04	4.41E-04	6.96E-04	2.52E-04
3386	609311.19	4170550.24	5.65E-03	2.52E-03	9.39E-04	4.39E-04	6.93E-04	2.51E-04
3387	609303.53	4170556.18	5.58E-03	2.48E-03	9.27E-04	4.34E-04	6.84E-04	2.48E-04
3388	609295.87	4170562.13	5.47E-03	2.43E-03	9.08E-04	4.25E-04	6.70E-04	2.43E-04
3389	609288.21	4170568.07	5.32E-03	2.37E-03	8.83E-04	4.13E-04	6.52E-04	2.36E-04
3390	609280.56	4170574.01	5.13E-03	2.28E-03	8.52E-04	3.98E-04	6.29E-04	2.28E-04
3391	609272.9	4170579.96	4.91E-03	2.18E-03	8.15E-04	3.81E-04	6.02E-04	2.18E-04
3392	609265.24	4170585.9	4.66E-03	2.07E-03	7.74E-04	3.62E-04	5.71E-04	2.07E-04
3393	609257.58	4170591.85	4.39E-03	1.95E-03	7.29E-04	3.41E-04	5.38E-04	1.95E-04
3394	609352.33	4170509.59	4.88E-03	2.17E-03	8.11E-04	3.79E-04	5.98E-04	2.17E-04
3395	609361.29	4170506.55	4.83E-03	2.15E-03	8.02E-04	3.75E-04	5.92E-04	2.14E-04
3396	609370.26	4170503.52	4.75E-03	2.11E-03	7.89E-04	3.69E-04	5.82E-04	2.11E-04
3397	609379.23	4170500.49	4.64E-03	2.07E-03	7.71E-04	3.61E-04	5.69E-04	2.06E-04
3398	609388.2	4170497.45	4.51E-03	2.01E-03	7.50E-04	3.51E-04	5.53E-04	2.00E-04
3399	609397.16	4170494.42	4.36E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
3400	609406.13	4170491.39	4.20E-03	1.87E-03	6.97E-04	3.26E-04	5.15E-04	1.86E-04
3401	609415.1	4170488.36	4.02E-03	1.79E-03	6.67E-04	3.12E-04	4.93E-04	1.78E-04
3402	609343.36	4170512.62	4.90E-03	2.18E-03	8.14E-04	3.81E-04	6.01E-04	2.18E-04
3403	609335.7	4170518.56	5.03E-03	2.24E-03	8.36E-04	3.91E-04	6.17E-04	2.23E-04
3404	609320.38	4170530.45	5.18E-03	2.31E-03	8.61E-04	4.03E-04	6.36E-04	2.30E-04
3405	609312.72	4170536.39	5.20E-03	2.31E-03	8.64E-04	4.04E-04	6.38E-04	2.31E-04
3406	609305.06	4170542.34	5.18E-03	2.31E-03	8.60E-04	4.02E-04	6.35E-04	2.30E-04
3407	609297.4	4170548.28	5.12E-03	2.28E-03	8.50E-04	3.98E-04	6.28E-04	2.27E-04
3408	609289.74	4170554.23	5.02E-03	2.23E-03	8.34E-04	3.90E-04	6.16E-04	2.23E-04
3409	609282.08	4170560.17	4.89E-03	2.18E-03	8.12E-04	3.80E-04	6.00E-04	2.17E-04
3410	609274.42	4170566.11	4.73E-03	2.10E-03	7.85E-04	3.67E-04	5.80E-04	2.10E-04
3411	609266.77	4170572.06	4.54E-03	2.02E-03	7.53E-04	3.52E-04	5.56E-04	2.01E-04
3412	609259.11	4170578	4.32E-03	1.92E-03	7.17E-04	3.35E-04	5.29E-04	1.92E-04
3413	609345.92	4170501.78	4.50E-03	2.00E-03	7.47E-04	3.50E-04	5.52E-04	2.00E-04
3414	609354.61	4170498.84	4.46E-03	1.98E-03	7.40E-04	3.46E-04	5.46E-04	1.98E-04
3415	609363.3	4170495.9	4.39E-03	1.95E-03	7.29E-04	3.41E-04	5.38E-04	1.95E-04
3416	609371.99	4170492.96	4.30E-03	1.91E-03	7.14E-04	3.34E-04	5.27E-04	1.91E-04
3417	609380.68	4170490.02	4.19E-03	1.87E-03	6.96E-04	3.26E-04	5.14E-04	1.86E-04
3418	609389.38	4170487.08	4.07E-03	1.81E-03	6.75E-04	3.16E-04	4.99E-04	1.80E-04
3419	609398.07	4170484.14	3.93E-03	1.75E-03	6.52E-04	3.05E-04	4.81E-04	1.74E-04
3420	609406.76	4170481.2	3.77E-03	1.68E-03	6.27E-04	2.93E-04	4.62E-04	1.67E-04
3421	609415.45	4170478.26	3.61E-03	1.61E-03	6.00E-04	2.80E-04	4.43E-04	1.60E-04
3422	609337.23	4170504.72	4.52E-03	2.01E-03	7.50E-04	3.51E-04	5.54E-04	2.00E-04
3423	609329.57	4170510.66	4.63E-03	2.06E-03	7.69E-04	3.60E-04	5.68E-04	2.06E-04
3424	609306.59	4170528.49	4.78E-03	2.13E-03	7.94E-04	3.72E-04	5.86E-04	2.12E-04
3425	609298.93	4170534.44	4.77E-03	2.12E-03	7.92E-04	3.70E-04	5.84E-04	2.12E-04
3426	609291.27	4170540.38	4.71E-03	2.10E-03	7.83E-04	3.66E-04	5.78E-04	2.09E-04
3427	609283.61	4170546.33	4.63E-03	2.06E-03	7.69E-04	3.60E-04	5.68E-04	2.06E-04
3428	609275.95	4170552.27	4.52E-03	2.01E-03	7.50E-04	3.51E-04	5.54E-04	2.01E-04

3429	609268.29	4170558.21	4.37E-03	1.95E-03	7.27E-04	3.40E-04	5.36E-04	1.94E-04
3430	609237.66	4170581.99	3.58E-03	1.59E-03	5.95E-04	2.78E-04	4.39E-04	1.59E-04
3431	609230	4170587.93	3.35E-03	1.49E-03	5.56E-04	2.60E-04	4.11E-04	1.49E-04
3432	609339.56	4170493.95	4.16E-03	1.85E-03	6.91E-04	3.23E-04	5.10E-04	1.85E-04
3433	609356.49	4170488.23	4.07E-03	1.81E-03	6.76E-04	3.16E-04	4.99E-04	1.81E-04
3434	609373.43	4170482.5	3.90E-03	1.74E-03	6.48E-04	3.03E-04	4.78E-04	1.73E-04
3435	609390.36	4170476.78	3.67E-03	1.64E-03	6.10E-04	2.86E-04	4.51E-04	1.63E-04
3436	609407.29	4170471.05	3.40E-03	1.51E-03	5.65E-04	2.64E-04	4.17E-04	1.51E-04
3437	609323.44	4170502.76	4.28E-03	1.90E-03	7.11E-04	3.32E-04	5.25E-04	1.90E-04
3438	609315.78	4170508.71	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.34E-04	1.93E-04
3439	609300.46	4170520.59	4.41E-03	1.96E-03	7.33E-04	3.43E-04	5.41E-04	1.96E-04
3440	609292.8	4170526.54	4.40E-03	1.96E-03	7.31E-04	3.42E-04	5.40E-04	1.95E-04
3441	609285.14	4170532.48	4.36E-03	1.94E-03	7.24E-04	3.39E-04	5.34E-04	1.93E-04
3442	609277.48	4170538.43	4.29E-03	1.91E-03	7.12E-04	3.33E-04	5.26E-04	1.90E-04
3443	609246.84	4170562.2	3.74E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
3444	609239.18	4170568.15	3.56E-03	1.58E-03	5.91E-04	2.77E-04	4.36E-04	1.58E-04
3445	609231.53	4170574.09	3.36E-03	1.50E-03	5.58E-04	2.61E-04	4.12E-04	1.49E-04
3446	609223.87	4170580.03	3.15E-03	1.40E-03	5.24E-04	2.45E-04	3.87E-04	1.40E-04
3447	609334	4170485.86	3.86E-03	1.72E-03	6.41E-04	3.00E-04	4.73E-04	1.71E-04
3448	609343.03	4170482.81	3.82E-03	1.70E-03	6.35E-04	2.97E-04	4.69E-04	1.70E-04
3449	609352.06	4170479.76	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
3450	609361.09	4170476.7	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.53E-04	1.64E-04
3451	609370.12	4170473.65	3.60E-03	1.60E-03	5.98E-04	2.80E-04	4.41E-04	1.60E-04
3452	609379.15	4170470.59	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
3453	609388.18	4170467.54	3.37E-03	1.50E-03	5.60E-04	2.62E-04	4.13E-04	1.50E-04
3454	609397.21	4170464.49	3.24E-03	1.44E-03	5.38E-04	2.52E-04	3.97E-04	1.44E-04
3455	609406.24	4170461.43	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3456	609415.27	4170458.38	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
3457	609324.97	4170488.92	3.88E-03	1.72E-03	6.44E-04	3.01E-04	4.75E-04	1.72E-04
3458	609317.31	4170494.86	3.97E-03	1.76E-03	6.59E-04	3.08E-04	4.86E-04	1.76E-04
3459	609309.65	4170500.81	4.03E-03	1.79E-03	6.70E-04	3.13E-04	4.94E-04	1.79E-04
3460	609286.67	4170518.64	4.08E-03	1.82E-03	6.78E-04	3.17E-04	5.00E-04	1.81E-04
3461	609256.03	4170542.41	3.78E-03	1.68E-03	6.28E-04	2.94E-04	4.64E-04	1.68E-04
3462	609248.37	4170548.36	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
3463	609240.71	4170554.3	3.50E-03	1.56E-03	5.82E-04	2.72E-04	4.29E-04	1.55E-04
3464	609233.05	4170560.25	3.34E-03	1.49E-03	5.55E-04	2.59E-04	4.09E-04	1.48E-04
3465	609225.39	4170566.19	3.16E-03	1.41E-03	5.25E-04	2.46E-04	3.88E-04	1.40E-04
3466	609217.74	4170572.13	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
3467	609210.08	4170578.08	2.79E-03	1.24E-03	4.63E-04	2.17E-04	3.42E-04	1.24E-04
3468	609327.63	4170478.04	3.59E-03	1.60E-03	5.97E-04	2.79E-04	4.40E-04	1.59E-04
3469	609336.42	4170475.07	3.56E-03	1.58E-03	5.91E-04	2.77E-04	4.37E-04	1.58E-04
3470	609345.22	4170472.09	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.31E-04	1.56E-04
3471	609354.01	4170469.12	3.45E-03	1.53E-03	5.73E-04	2.68E-04	4.23E-04	1.53E-04
3472	609362.81	4170466.15	3.37E-03	1.50E-03	5.60E-04	2.62E-04	4.13E-04	1.50E-04
3473	609371.6	4170463.17	3.28E-03	1.46E-03	5.45E-04	2.55E-04	4.02E-04	1.46E-04
3474	609380.4	4170460.2	3.18E-03	1.41E-03	5.27E-04	2.47E-04	3.89E-04	1.41E-04
3475	609389.19	4170457.22	3.06E-03	1.36E-03	5.09E-04	2.38E-04	3.75E-04	1.36E-04
3476	609397.99	4170454.25	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3477	609406.78	4170451.27	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3478	609415.58	4170448.3	2.68E-03	1.19E-03	4.46E-04	2.09E-04	3.29E-04	1.19E-04
3479	609318.84	4170481.02	3.61E-03	1.60E-03	5.99E-04	2.80E-04	4.42E-04	1.60E-04
3480	609311.18	4170486.96	3.69E-03	1.64E-03	6.12E-04	2.86E-04	4.52E-04	1.64E-04

3481	609303.52	4170492.91	3.75E-03	1.67E-03	6.22E-04	2.91E-04	4.59E-04	1.66E-04
3482	609295.86	4170498.85	3.79E-03	1.68E-03	6.29E-04	2.94E-04	4.64E-04	1.68E-04
3483	609265.22	4170522.63	3.71E-03	1.65E-03	6.16E-04	2.88E-04	4.55E-04	1.65E-04
3484	609257.56	4170528.57	3.63E-03	1.62E-03	6.03E-04	2.82E-04	4.45E-04	1.61E-04
3485	609249.9	4170534.51	3.53E-03	1.57E-03	5.87E-04	2.75E-04	4.33E-04	1.57E-04
3486	609242.24	4170540.46	3.42E-03	1.52E-03	5.68E-04	2.66E-04	4.19E-04	1.52E-04
3487	609234.58	4170546.4	3.29E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3488	609226.92	4170552.35	3.14E-03	1.40E-03	5.21E-04	2.44E-04	3.85E-04	1.39E-04
3489	609219.26	4170558.29	2.98E-03	1.33E-03	4.95E-04	2.32E-04	3.65E-04	1.32E-04
3490	609211.6	4170564.23	2.81E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3491	609203.95	4170570.18	2.65E-03	1.18E-03	4.39E-04	2.06E-04	3.24E-04	1.17E-04
3492	609321.3	4170470.21	3.35E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
3493	609329.9	4170467.3	3.33E-03	1.48E-03	5.52E-04	2.58E-04	4.08E-04	1.48E-04
3494	609338.49	4170464.4	3.28E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3495	609347.09	4170461.49	3.23E-03	1.44E-03	5.36E-04	2.51E-04	3.96E-04	1.43E-04
3496	609355.68	4170458.58	3.16E-03	1.41E-03	5.25E-04	2.46E-04	3.88E-04	1.40E-04
3497	609372.88	4170452.77	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
3498	609381.47	4170449.86	2.89E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
3499	609398.66	4170444.05	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.28E-04	1.19E-04
3500	609415.86	4170438.23	2.44E-03	1.09E-03	4.06E-04	1.90E-04	3.00E-04	1.09E-04
3501	609312.7	4170473.12	3.36E-03	1.50E-03	5.59E-04	2.61E-04	4.13E-04	1.49E-04
3502	609305.04	4170479.06	3.44E-03	1.53E-03	5.71E-04	2.67E-04	4.21E-04	1.53E-04
3503	609297.39	4170485.01	3.49E-03	1.55E-03	5.80E-04	2.71E-04	4.28E-04	1.55E-04
3504	609289.73	4170490.95	3.53E-03	1.57E-03	5.86E-04	2.74E-04	4.33E-04	1.57E-04
3505	609282.07	4170496.89	3.54E-03	1.58E-03	5.89E-04	2.75E-04	4.34E-04	1.57E-04
3506	609266.75	4170508.78	3.51E-03	1.56E-03	5.83E-04	2.73E-04	4.30E-04	1.56E-04
3507	609259.09	4170514.73	3.46E-03	1.54E-03	5.75E-04	2.69E-04	4.25E-04	1.54E-04
3508	609251.43	4170520.67	3.40E-03	1.51E-03	5.64E-04	2.64E-04	4.16E-04	1.51E-04
3509	609243.77	4170526.61	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04
3510	609236.11	4170532.56	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
3511	609228.45	4170538.5	3.09E-03	1.37E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
3512	609220.79	4170544.45	2.96E-03	1.32E-03	4.91E-04	2.30E-04	3.63E-04	1.31E-04
3513	609213.13	4170550.39	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3514	609205.47	4170556.33	2.67E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
3515	609197.81	4170562.28	2.51E-03	1.12E-03	4.18E-04	1.95E-04	3.08E-04	1.12E-04
3516	609315.65	4170462.15	3.14E-03	1.40E-03	5.21E-04	2.44E-04	3.84E-04	1.39E-04
3517	609324.72	4170459.08	3.11E-03	1.38E-03	5.16E-04	2.42E-04	3.81E-04	1.38E-04
3518	609333.79	4170456.01	3.07E-03	1.37E-03	5.09E-04	2.38E-04	3.76E-04	1.36E-04
3519	609342.87	4170452.94	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
3520	609351.94	4170449.87	2.94E-03	1.31E-03	4.89E-04	2.29E-04	3.61E-04	1.31E-04
3521	609361.01	4170446.81	2.87E-03	1.28E-03	4.76E-04	2.23E-04	3.51E-04	1.27E-04
3522	609370.09	4170443.74	2.78E-03	1.24E-03	4.61E-04	2.16E-04	3.41E-04	1.23E-04
3523	609379.16	4170440.67	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
3524	609388.23	4170437.6	2.58E-03	1.15E-03	4.28E-04	2.00E-04	3.16E-04	1.14E-04
3525	609397.31	4170434.53	2.47E-03	1.10E-03	4.10E-04	1.92E-04	3.03E-04	1.10E-04
3526	609406.38	4170431.46	2.36E-03	1.05E-03	3.91E-04	1.83E-04	2.89E-04	1.05E-04
3527	609415.46	4170428.39	2.24E-03	9.98E-04	3.72E-04	1.74E-04	2.75E-04	9.95E-05
3528	609306.57	4170465.22	3.15E-03	1.40E-03	5.23E-04	2.45E-04	3.86E-04	1.40E-04
3529	609298.91	4170471.16	3.21E-03	1.43E-03	5.34E-04	2.50E-04	3.94E-04	1.43E-04
3530	609291.25	4170477.11	3.26E-03	1.45E-03	5.42E-04	2.54E-04	4.00E-04	1.45E-04
3531	609283.6	4170483.05	3.30E-03	1.47E-03	5.48E-04	2.56E-04	4.04E-04	1.46E-04
3532	609275.94	4170488.99	3.31E-03	1.47E-03	5.50E-04	2.57E-04	4.06E-04	1.47E-04

3533	609268.28	4170494.94	3.31E-03	1.47E-03	5.49E-04	2.57E-04	4.06E-04	1.47E-04
3534	609260.62	4170500.88	3.28E-03	1.46E-03	5.46E-04	2.55E-04	4.03E-04	1.46E-04
3535	609252.96	4170506.83	3.24E-03	1.44E-03	5.39E-04	2.52E-04	3.98E-04	1.44E-04
3536	609245.3	4170512.77	3.18E-03	1.42E-03	5.29E-04	2.47E-04	3.90E-04	1.41E-04
3537	609237.64	4170518.71	3.11E-03	1.38E-03	5.16E-04	2.41E-04	3.81E-04	1.38E-04
3538	609229.98	4170524.66	3.01E-03	1.34E-03	5.01E-04	2.34E-04	3.70E-04	1.34E-04
3539	609222.32	4170530.6	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
3540	609214.66	4170536.55	2.79E-03	1.24E-03	4.64E-04	2.17E-04	3.42E-04	1.24E-04
3541	609207	4170542.49	2.66E-03	1.19E-03	4.43E-04	2.07E-04	3.27E-04	1.18E-04
3542	609199.34	4170548.43	2.53E-03	1.13E-03	4.20E-04	1.97E-04	3.10E-04	1.12E-04
3543	609191.68	4170554.38	2.39E-03	1.07E-03	3.98E-04	1.86E-04	2.94E-04	1.06E-04
3544	609309.31	4170454.32	2.94E-03	1.31E-03	4.88E-04	2.28E-04	3.61E-04	1.31E-04
3545	609318.18	4170451.32	2.92E-03	1.30E-03	4.85E-04	2.27E-04	3.58E-04	1.29E-04
3546	609327.05	4170448.32	2.88E-03	1.28E-03	4.79E-04	2.24E-04	3.53E-04	1.28E-04
3547	609335.92	4170445.32	2.83E-03	1.26E-03	4.71E-04	2.20E-04	3.47E-04	1.26E-04
3548	609344.79	4170442.32	2.77E-03	1.23E-03	4.61E-04	2.16E-04	3.40E-04	1.23E-04
3549	609353.66	4170439.32	2.71E-03	1.20E-03	4.50E-04	2.10E-04	3.32E-04	1.20E-04
3550	609362.52	4170436.32	2.63E-03	1.17E-03	4.37E-04	2.04E-04	3.22E-04	1.17E-04
3551	609371.39	4170433.32	2.54E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3552	609380.26	4170430.32	2.45E-03	1.09E-03	4.07E-04	1.91E-04	3.01E-04	1.09E-04
3553	609300.44	4170457.32	2.95E-03	1.31E-03	4.90E-04	2.29E-04	3.62E-04	1.31E-04
3554	609292.78	4170463.26	3.01E-03	1.34E-03	5.00E-04	2.34E-04	3.69E-04	1.34E-04
3555	609285.12	4170469.21	3.06E-03	1.36E-03	5.08E-04	2.38E-04	3.75E-04	1.36E-04
3556	609277.46	4170475.15	3.09E-03	1.37E-03	5.13E-04	2.40E-04	3.79E-04	1.37E-04
3557	609269.81	4170481.09	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3558	609262.15	4170487.04	3.10E-03	1.38E-03	5.15E-04	2.41E-04	3.80E-04	1.38E-04
3559	609254.49	4170492.98	3.08E-03	1.37E-03	5.12E-04	2.39E-04	3.78E-04	1.37E-04
3560	609246.83	4170498.93	3.04E-03	1.35E-03	5.06E-04	2.36E-04	3.73E-04	1.35E-04
3561	609239.17	4170504.87	2.99E-03	1.33E-03	4.97E-04	2.32E-04	3.67E-04	1.33E-04
3562	609231.51	4170510.81	2.92E-03	1.30E-03	4.85E-04	2.27E-04	3.58E-04	1.30E-04
3563	609223.85	4170516.76	2.84E-03	1.26E-03	4.72E-04	2.21E-04	3.48E-04	1.26E-04
3564	609216.19	4170522.7	2.75E-03	1.22E-03	4.56E-04	2.13E-04	3.37E-04	1.22E-04
3565	609208.53	4170528.65	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
3566	609200.87	4170534.59	2.53E-03	1.12E-03	4.20E-04	1.96E-04	3.10E-04	1.12E-04
3567	609193.21	4170540.53	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3568	609185.55	4170546.48	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
3569	609303	4170446.48	2.76E-03	1.23E-03	4.59E-04	2.15E-04	3.39E-04	1.23E-04
3570	609311.69	4170443.54	2.74E-03	1.22E-03	4.56E-04	2.13E-04	3.36E-04	1.22E-04
3571	609320.39	4170440.6	2.71E-03	1.21E-03	4.50E-04	2.11E-04	3.33E-04	1.20E-04
3572	609329.08	4170437.66	2.67E-03	1.19E-03	4.44E-04	2.07E-04	3.27E-04	1.19E-04
3573	609337.77	4170434.72	2.62E-03	1.17E-03	4.35E-04	2.03E-04	3.21E-04	1.16E-04
3574	609346.46	4170431.78	2.56E-03	1.14E-03	4.25E-04	1.99E-04	3.14E-04	1.14E-04
3575	609355.15	4170428.84	2.49E-03	1.11E-03	4.14E-04	1.94E-04	3.05E-04	1.11E-04
3576	609415.99	4170408.27	1.89E-03	8.39E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
3577	609294.31	4170449.42	2.77E-03	1.23E-03	4.61E-04	2.15E-04	3.40E-04	1.23E-04
3578	609286.65	4170455.36	2.83E-03	1.26E-03	4.70E-04	2.20E-04	3.47E-04	1.26E-04
3579	609278.99	4170461.3	2.87E-03	1.28E-03	4.77E-04	2.23E-04	3.52E-04	1.27E-04
3580	609271.33	4170467.25	2.90E-03	1.29E-03	4.82E-04	2.25E-04	3.56E-04	1.29E-04
3581	609263.67	4170473.19	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3582	609256.01	4170479.14	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3583	609248.36	4170485.08	2.90E-03	1.29E-03	4.81E-04	2.25E-04	3.55E-04	1.28E-04
3584	609240.7	4170491.02	2.86E-03	1.27E-03	4.75E-04	2.22E-04	3.51E-04	1.27E-04

3585	609233.04	4170496.97	2.82E-03	1.25E-03	4.68E-04	2.19E-04	3.45E-04	1.25E-04
3586	609225.38	4170502.91	2.75E-03	1.23E-03	4.58E-04	2.14E-04	3.38E-04	1.22E-04
3587	609217.72	4170508.86	2.68E-03	1.19E-03	4.45E-04	2.08E-04	3.29E-04	1.19E-04
3588	609210.06	4170514.8	2.60E-03	1.16E-03	4.31E-04	2.02E-04	3.18E-04	1.15E-04
3589	609202.4	4170520.74	2.50E-03	1.11E-03	4.16E-04	1.94E-04	3.07E-04	1.11E-04
3590	609194.74	4170526.69	2.40E-03	1.07E-03	3.99E-04	1.86E-04	2.94E-04	1.07E-04
3591	609187.08	4170532.63	2.29E-03	1.02E-03	3.80E-04	1.78E-04	2.81E-04	1.02E-04
3592	609297.29	4170438.44	2.60E-03	1.16E-03	4.32E-04	2.02E-04	3.19E-04	1.15E-04
3593	609306.39	4170435.36	2.58E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3594	609315.5	4170432.28	2.55E-03	1.14E-03	4.24E-04	1.98E-04	3.13E-04	1.13E-04
3595	609324.6	4170429.2	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3596	609388.34	4170407.64	2.01E-03	8.94E-04	3.34E-04	1.56E-04	2.46E-04	8.92E-05
3597	609397.44	4170404.56	1.92E-03	8.55E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
3598	609406.55	4170401.49	1.83E-03	8.15E-04	3.04E-04	1.42E-04	2.25E-04	8.13E-05
3599	609415.66	4170398.41	1.74E-03	7.76E-04	2.89E-04	1.35E-04	2.14E-04	7.74E-05
3600	609288.18	4170441.52	2.61E-03	1.16E-03	4.34E-04	2.03E-04	3.20E-04	1.16E-04
3601	609280.52	4170447.46	2.66E-03	1.19E-03	4.42E-04	2.07E-04	3.27E-04	1.18E-04
3602	609272.86	4170453.4	2.70E-03	1.20E-03	4.49E-04	2.10E-04	3.31E-04	1.20E-04
3603	609265.2	4170459.35	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.35E-04	1.21E-04
3604	609257.54	4170465.29	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3605	609249.88	4170471.24	2.74E-03	1.22E-03	4.55E-04	2.13E-04	3.36E-04	1.22E-04
3606	609242.22	4170477.18	2.73E-03	1.21E-03	4.53E-04	2.12E-04	3.34E-04	1.21E-04
3607	609234.57	4170483.12	2.70E-03	1.20E-03	4.48E-04	2.10E-04	3.31E-04	1.20E-04
3608	609226.91	4170489.07	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
3609	609219.25	4170495.01	2.60E-03	1.16E-03	4.32E-04	2.02E-04	3.19E-04	1.15E-04
3610	609211.59	4170500.96	2.54E-03	1.13E-03	4.21E-04	1.97E-04	3.11E-04	1.13E-04
3611	609203.93	4170506.9	2.46E-03	1.09E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
3612	609196.27	4170512.84	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
3613	609290.97	4170430.6	2.46E-03	1.09E-03	4.08E-04	1.91E-04	3.01E-04	1.09E-04
3614	609299.9	4170427.58	2.44E-03	1.08E-03	4.05E-04	1.89E-04	2.99E-04	1.08E-04
3615	609362.37	4170406.45	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
3616	609371.29	4170403.44	2.01E-03	8.94E-04	3.33E-04	1.56E-04	2.46E-04	8.91E-05
3617	609380.22	4170400.42	1.93E-03	8.59E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
3618	609389.14	4170397.4	1.85E-03	8.24E-04	3.08E-04	1.44E-04	2.27E-04	8.22E-05
3619	609398.07	4170394.38	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
3620	609406.99	4170391.36	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
3621	609415.91	4170388.34	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
3622	609282.05	4170433.62	2.47E-03	1.10E-03	4.09E-04	1.92E-04	3.02E-04	1.09E-04
3623	609274.39	4170439.56	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3624	609266.73	4170445.5	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3625	609259.07	4170451.45	2.57E-03	1.15E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
3626	609251.41	4170457.39	2.59E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3627	609243.75	4170463.34	2.59E-03	1.15E-03	4.29E-04	2.01E-04	3.17E-04	1.15E-04
3628	609236.09	4170469.28	2.57E-03	1.14E-03	4.27E-04	2.00E-04	3.15E-04	1.14E-04
3629	609228.43	4170475.22	2.55E-03	1.13E-03	4.23E-04	1.98E-04	3.12E-04	1.13E-04
3630	609220.78	4170481.17	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3631	609213.12	4170487.11	2.46E-03	1.10E-03	4.09E-04	1.91E-04	3.02E-04	1.09E-04
3632	609167.16	4170522.78	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
3633	609337.27	4170404.97	2.11E-03	9.39E-04	3.50E-04	1.64E-04	2.59E-04	9.36E-05
3634	609346.03	4170402	2.05E-03	9.13E-04	3.41E-04	1.59E-04	2.52E-04	9.11E-05
3635	609354.8	4170399.04	1.99E-03	8.85E-04	3.30E-04	1.55E-04	2.44E-04	8.83E-05
3636	609363.56	4170396.08	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05

3637	609372.33	4170393.11	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3638	609381.09	4170390.15	1.78E-03	7.93E-04	2.96E-04	1.38E-04	2.19E-04	7.91E-05
3639	609389.86	4170387.18	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3640	609398.62	4170384.22	1.64E-03	7.28E-04	2.72E-04	1.27E-04	2.01E-04	7.26E-05
3641	609407.39	4170381.26	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
3642	609416.15	4170378.29	1.49E-03	6.63E-04	2.47E-04	1.16E-04	1.83E-04	6.61E-05
3643	609268.26	4170431.66	2.37E-03	1.06E-03	3.94E-04	1.84E-04	2.91E-04	1.05E-04
3644	609260.6	4170437.6	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3645	609252.94	4170443.55	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3646	609245.28	4170449.49	2.44E-03	1.09E-03	4.06E-04	1.90E-04	2.99E-04	1.08E-04
3647	609237.62	4170455.44	2.44E-03	1.09E-03	4.06E-04	1.90E-04	2.99E-04	1.08E-04
3648	609229.96	4170461.38	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3649	609222.3	4170467.32	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3650	609214.64	4170473.27	2.38E-03	1.06E-03	3.95E-04	1.85E-04	2.91E-04	1.05E-04
3651	609168.69	4170508.93	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3652	609161.03	4170514.88	1.90E-03	8.47E-04	3.16E-04	1.48E-04	2.33E-04	8.45E-05
3653	609306.31	4170405.47	2.13E-03	9.46E-04	3.53E-04	1.65E-04	2.61E-04	9.43E-05
3654	609315.44	4170402.38	2.09E-03	9.28E-04	3.47E-04	1.62E-04	2.56E-04	9.26E-05
3655	609324.57	4170399.29	2.04E-03	9.08E-04	3.39E-04	1.59E-04	2.50E-04	9.05E-05
3656	609333.7	4170396.2	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3657	609342.83	4170393.12	1.93E-03	8.60E-04	3.21E-04	1.50E-04	2.37E-04	8.57E-05
3658	609351.96	4170390.03	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3659	609361.08	4170386.94	1.81E-03	8.03E-04	3.00E-04	1.40E-04	2.21E-04	8.01E-05
3660	609370.21	4170383.85	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
3661	609379.34	4170380.77	1.67E-03	7.43E-04	2.77E-04	1.30E-04	2.05E-04	7.41E-05
3662	609388.47	4170377.68	1.60E-03	7.11E-04	2.65E-04	1.24E-04	1.96E-04	7.09E-05
3663	609397.6	4170374.59	1.53E-03	6.80E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
3664	609406.73	4170371.5	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05
3665	609415.86	4170368.42	1.39E-03	6.17E-04	2.30E-04	1.08E-04	1.70E-04	6.16E-05
3666	609254.47	4170429.7	2.28E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
3667	609246.81	4170435.65	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
3668	609239.15	4170441.59	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
3669	609231.49	4170447.54	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.83E-04	1.03E-04
3670	609223.83	4170453.48	2.30E-03	1.02E-03	3.82E-04	1.79E-04	2.82E-04	1.02E-04
3671	609216.17	4170459.42	2.28E-03	1.02E-03	3.79E-04	1.77E-04	2.80E-04	1.01E-04
3672	609208.51	4170465.37	2.25E-03	1.00E-03	3.74E-04	1.75E-04	2.76E-04	1.00E-04
3673	609177.88	4170489.14	2.04E-03	9.10E-04	3.39E-04	1.59E-04	2.51E-04	9.07E-05
3674	609170.22	4170495.09	1.97E-03	8.79E-04	3.28E-04	1.53E-04	2.42E-04	8.76E-05
3675	609162.56	4170501.03	1.90E-03	8.46E-04	3.16E-04	1.48E-04	2.33E-04	8.44E-05
3676	609154.9	4170506.98	1.82E-03	8.12E-04	3.03E-04	1.42E-04	2.24E-04	8.09E-05
3677	609281.59	4170403.85	2.07E-03	9.22E-04	3.44E-04	1.61E-04	2.54E-04	9.19E-05
3678	609290.56	4170400.82	2.05E-03	9.12E-04	3.40E-04	1.59E-04	2.51E-04	9.09E-05
3679	609299.53	4170397.79	2.02E-03	8.99E-04	3.36E-04	1.57E-04	2.48E-04	8.97E-05
3680	609308.49	4170394.75	1.98E-03	8.83E-04	3.30E-04	1.54E-04	2.43E-04	8.81E-05
3681	609317.46	4170391.72	1.94E-03	8.65E-04	3.23E-04	1.51E-04	2.38E-04	8.63E-05
3682	609326.43	4170388.69	1.90E-03	8.45E-04	3.15E-04	1.47E-04	2.33E-04	8.42E-05
3683	609335.4	4170385.65	1.85E-03	8.22E-04	3.07E-04	1.43E-04	2.26E-04	8.20E-05
3684	609344.36	4170382.62	1.79E-03	7.97E-04	2.98E-04	1.39E-04	2.20E-04	7.95E-05
3685	609353.33	4170379.59	1.73E-03	7.72E-04	2.88E-04	1.35E-04	2.13E-04	7.69E-05
3686	609362.3	4170376.56	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3687	609371.27	4170373.52	1.61E-03	7.17E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3688	609380.23	4170370.49	1.55E-03	6.88E-04	2.57E-04	1.20E-04	1.90E-04	6.86E-05

3689	609389.2	4170367.46	1.48E-03	6.59E-04	2.46E-04	1.15E-04	1.82E-04	6.58E-05
3690	609398.17	4170364.43	1.42E-03	6.31E-04	2.35E-04	1.10E-04	1.74E-04	6.29E-05
3691	609407.14	4170361.39	1.35E-03	6.02E-04	2.25E-04	1.05E-04	1.66E-04	6.01E-05
3692	609416.1	4170358.36	1.29E-03	5.74E-04	2.14E-04	1.00E-04	1.58E-04	5.73E-05
3693	609240.68	4170427.75	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3694	609233.02	4170433.69	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.72E-05
3695	609225.36	4170439.64	2.19E-03	9.75E-04	3.64E-04	1.70E-04	2.69E-04	9.73E-05
3696	609217.7	4170445.58	2.18E-03	9.72E-04	3.63E-04	1.70E-04	2.68E-04	9.69E-05
3697	609210.04	4170451.52	2.17E-03	9.64E-04	3.60E-04	1.68E-04	2.66E-04	9.61E-05
3698	609179.4	4170475.3	2.01E-03	8.93E-04	3.33E-04	1.56E-04	2.46E-04	8.91E-05
3699	609171.75	4170481.24	1.95E-03	8.68E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3700	609164.09	4170487.19	1.89E-03	8.40E-04	3.13E-04	1.47E-04	2.31E-04	8.37E-05
3701	609156.43	4170493.13	1.82E-03	8.10E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3702	609148.77	4170499.08	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
3703	609266.35	4170399.03	1.98E-03	8.82E-04	3.29E-04	1.54E-04	2.43E-04	8.79E-05
3704	609275.17	4170396.05	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3705	609283.99	4170393.07	1.95E-03	8.67E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3706	609292.81	4170390.08	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.53E-05
3707	609301.64	4170387.1	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
3708	609310.46	4170384.11	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3709	609319.28	4170381.13	1.81E-03	8.07E-04	3.01E-04	1.41E-04	2.22E-04	8.04E-05
3710	609328.1	4170378.15	1.77E-03	7.86E-04	2.93E-04	1.37E-04	2.17E-04	7.84E-05
3711	609336.93	4170375.16	1.72E-03	7.64E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3712	609345.75	4170372.18	1.66E-03	7.41E-04	2.77E-04	1.29E-04	2.04E-04	7.39E-05
3713	609354.57	4170369.2	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3714	609363.39	4170366.21	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3715	609372.21	4170363.23	1.49E-03	6.65E-04	2.48E-04	1.16E-04	1.83E-04	6.64E-05
3716	609381.04	4170360.25	1.44E-03	6.39E-04	2.39E-04	1.12E-04	1.76E-04	6.37E-05
3717	609389.86	4170357.26	1.38E-03	6.13E-04	2.29E-04	1.07E-04	1.69E-04	6.11E-05
3718	609398.68	4170354.28	1.32E-03	5.87E-04	2.19E-04	1.02E-04	1.62E-04	5.85E-05
3719	609407.5	4170351.3	1.26E-03	5.61E-04	2.09E-04	9.79E-05	1.55E-04	5.59E-05
3720	609416.32	4170348.31	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
3721	609257.53	4170402.02	1.99E-03	8.85E-04	3.30E-04	1.54E-04	2.44E-04	8.82E-05
3722	609226.89	4170425.79	2.08E-03	9.25E-04	3.45E-04	1.62E-04	2.55E-04	9.23E-05
3723	609219.23	4170431.74	2.08E-03	9.26E-04	3.46E-04	1.62E-04	2.55E-04	9.24E-05
3724	609211.57	4170437.68	2.07E-03	9.23E-04	3.44E-04	1.61E-04	2.54E-04	9.20E-05
3725	609180.93	4170461.46	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.40E-04	8.70E-05
3726	609173.27	4170467.4	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.50E-05
3727	609165.61	4170473.34	1.86E-03	8.29E-04	3.09E-04	1.45E-04	2.28E-04	8.26E-05
3728	609157.95	4170479.29	1.80E-03	8.03E-04	3.00E-04	1.40E-04	2.21E-04	8.01E-05
3729	609150.3	4170485.23	1.74E-03	7.76E-04	2.89E-04	1.35E-04	2.14E-04	7.74E-05
3730	609142.64	4170491.18	1.68E-03	7.47E-04	2.79E-04	1.30E-04	2.06E-04	7.45E-05
3731	609260.54	4170391.02	1.88E-03	8.38E-04	3.13E-04	1.46E-04	2.31E-04	8.36E-05
3732	609269.69	4170387.93	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3733	609278.84	4170384.83	1.85E-03	8.24E-04	3.08E-04	1.44E-04	2.27E-04	8.22E-05
3734	609287.99	4170381.74	1.83E-03	8.13E-04	3.03E-04	1.42E-04	2.24E-04	8.11E-05
3735	609297.14	4170378.65	1.80E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3736	609306.29	4170375.55	1.76E-03	7.83E-04	2.92E-04	1.37E-04	2.16E-04	7.81E-05
3737	609315.44	4170372.46	1.72E-03	7.65E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3738	609324.59	4170369.36	1.67E-03	7.45E-04	2.78E-04	1.30E-04	2.05E-04	7.43E-05
3739	609333.74	4170366.27	1.62E-03	7.23E-04	2.70E-04	1.26E-04	1.99E-04	7.21E-05
3740	609342.88	4170363.18	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05

3741	609352.03	4170360.08	1.52E-03	6.76E-04	2.52E-04	1.18E-04	1.86E-04	6.74E-05
3742	609361.18	4170356.99	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3743	609370.33	4170353.89	1.41E-03	6.27E-04	2.34E-04	1.09E-04	1.73E-04	6.25E-05
3744	609379.48	4170350.8	1.35E-03	6.01E-04	2.24E-04	1.05E-04	1.66E-04	6.00E-05
3745	609388.63	4170347.7	1.29E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.74E-05
3746	609397.78	4170344.61	1.24E-03	5.51E-04	2.06E-04	9.62E-05	1.52E-04	5.49E-05
3747	609406.93	4170341.52	1.18E-03	5.26E-04	1.96E-04	9.18E-05	1.45E-04	5.24E-05
3748	609416.08	4170338.42	1.13E-03	5.01E-04	1.87E-04	8.76E-05	1.38E-04	5.00E-05
3749	609251.4	4170394.12	1.89E-03	8.42E-04	3.14E-04	1.47E-04	2.32E-04	8.39E-05
3750	609243.74	4170400.06	1.92E-03	8.56E-04	3.19E-04	1.49E-04	2.36E-04	8.54E-05
3751	609236.08	4170406	1.95E-03	8.67E-04	3.24E-04	1.51E-04	2.39E-04	8.65E-05
3752	609182.46	4170447.61	1.91E-03	8.48E-04	3.17E-04	1.48E-04	2.34E-04	8.46E-05
3753	609174.8	4170453.56	1.87E-03	8.32E-04	3.11E-04	1.45E-04	2.29E-04	8.30E-05
3754	609167.14	4170459.5	1.83E-03	8.13E-04	3.04E-04	1.42E-04	2.24E-04	8.11E-05
3755	609159.48	4170465.44	1.78E-03	7.92E-04	2.96E-04	1.38E-04	2.18E-04	7.90E-05
3756	609151.82	4170471.39	1.73E-03	7.69E-04	2.87E-04	1.34E-04	2.12E-04	7.67E-05
3757	609144.16	4170477.33	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3758	609136.51	4170483.28	1.61E-03	7.17E-04	2.68E-04	1.25E-04	1.98E-04	7.15E-05
3759	609254.27	4170383.17	1.79E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3760	609263.27	4170380.13	1.78E-03	7.93E-04	2.96E-04	1.39E-04	2.19E-04	7.91E-05
3761	609272.27	4170377.08	1.77E-03	7.86E-04	2.93E-04	1.37E-04	2.16E-04	7.83E-05
3762	609281.27	4170374.04	1.74E-03	7.75E-04	2.89E-04	1.35E-04	2.14E-04	7.73E-05
3763	609290.27	4170370.99	1.71E-03	7.63E-04	2.85E-04	1.33E-04	2.10E-04	7.61E-05
3764	609299.28	4170367.95	1.68E-03	7.49E-04	2.79E-04	1.31E-04	2.06E-04	7.47E-05
3765	609308.28	4170364.91	1.65E-03	7.32E-04	2.73E-04	1.28E-04	2.02E-04	7.30E-05
3766	609317.28	4170361.86	1.60E-03	7.14E-04	2.67E-04	1.25E-04	1.97E-04	7.12E-05
3767	609326.28	4170358.82	1.56E-03	6.95E-04	2.59E-04	1.21E-04	1.91E-04	6.93E-05
3768	609335.28	4170355.77	1.51E-03	6.74E-04	2.52E-04	1.18E-04	1.86E-04	6.72E-05
3769	609344.28	4170352.73	1.47E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3770	609353.29	4170349.68	1.42E-03	6.30E-04	2.35E-04	1.10E-04	1.74E-04	6.28E-05
3771	609362.29	4170346.64	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
3772	609371.29	4170343.59	1.31E-03	5.84E-04	2.18E-04	1.02E-04	1.61E-04	5.82E-05
3773	609380.29	4170340.55	1.26E-03	5.61E-04	2.09E-04	9.79E-05	1.54E-04	5.59E-05
3774	609389.29	4170337.51	1.21E-03	5.37E-04	2.01E-04	9.38E-05	1.48E-04	5.36E-05
3775	609398.3	4170334.46	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3776	609407.3	4170331.42	1.10E-03	4.92E-04	1.84E-04	8.58E-05	1.35E-04	4.90E-05
3777	609416.3	4170328.37	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.68E-05
3778	609245.26	4170386.22	1.80E-03	8.02E-04	2.99E-04	1.40E-04	2.21E-04	7.99E-05
3779	609237.61	4170392.16	1.83E-03	8.15E-04	3.04E-04	1.42E-04	2.25E-04	8.13E-05
3780	609229.95	4170398.1	1.85E-03	8.25E-04	3.08E-04	1.44E-04	2.27E-04	8.23E-05
3781	609222.29	4170404.05	1.87E-03	8.33E-04	3.11E-04	1.45E-04	2.29E-04	8.31E-05
3782	609183.99	4170433.77	1.85E-03	8.21E-04	3.07E-04	1.43E-04	2.26E-04	8.19E-05
3783	609176.33	4170439.71	1.82E-03	8.09E-04	3.02E-04	1.41E-04	2.23E-04	8.07E-05
3784	609168.67	4170445.66	1.79E-03	7.95E-04	2.97E-04	1.39E-04	2.19E-04	7.93E-05
3785	609161.01	4170451.6	1.75E-03	7.78E-04	2.90E-04	1.36E-04	2.14E-04	7.76E-05
3786	609153.35	4170457.54	1.70E-03	7.58E-04	2.83E-04	1.32E-04	2.09E-04	7.56E-05
3787	609145.69	4170463.49	1.66E-03	7.37E-04	2.75E-04	1.29E-04	2.03E-04	7.35E-05
3788	609138.03	4170469.43	1.60E-03	7.14E-04	2.66E-04	1.25E-04	1.97E-04	7.12E-05
3789	609130.37	4170475.38	1.55E-03	6.89E-04	2.57E-04	1.20E-04	1.90E-04	6.87E-05
3790	609248	4170375.32	1.71E-03	7.62E-04	2.84E-04	1.33E-04	2.10E-04	7.60E-05
3791	609256.87	4170372.32	1.70E-03	7.57E-04	2.83E-04	1.32E-04	2.09E-04	7.55E-05
3792	609265.74	4170369.32	1.68E-03	7.50E-04	2.80E-04	1.31E-04	2.07E-04	7.48E-05

3793	609274.61	4170366.32	1.66E-03	7.41E-04	2.76E-04	1.29E-04	2.04E-04	7.39E-05
3794	609283.48	4170363.32	1.64E-03	7.30E-04	2.72E-04	1.27E-04	2.01E-04	7.28E-05
3795	609292.35	4170360.32	1.61E-03	7.16E-04	2.67E-04	1.25E-04	1.97E-04	7.15E-05
3796	609301.22	4170357.32	1.58E-03	7.02E-04	2.62E-04	1.22E-04	1.93E-04	7.00E-05
3797	609310.08	4170354.32	1.54E-03	6.85E-04	2.56E-04	1.20E-04	1.89E-04	6.83E-05
3798	609318.95	4170351.32	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3799	609327.82	4170348.32	1.46E-03	6.49E-04	2.42E-04	1.13E-04	1.79E-04	6.47E-05
3800	609336.69	4170345.32	1.41E-03	6.29E-04	2.35E-04	1.10E-04	1.73E-04	6.27E-05
3801	609345.56	4170342.32	1.37E-03	6.09E-04	2.27E-04	1.06E-04	1.68E-04	6.07E-05
3802	609354.43	4170339.32	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
3803	609363.3	4170336.32	1.27E-03	5.66E-04	2.11E-04	9.89E-05	1.56E-04	5.65E-05
3804	609372.17	4170333.33	1.22E-03	5.45E-04	2.03E-04	9.52E-05	1.50E-04	5.44E-05
3805	609381.03	4170330.33	1.18E-03	5.24E-04	1.95E-04	9.14E-05	1.44E-04	5.22E-05
3806	609389.9	4170327.33	1.13E-03	5.02E-04	1.87E-04	8.77E-05	1.38E-04	5.01E-05
3807	609398.77	4170324.33	1.08E-03	4.81E-04	1.80E-04	8.40E-05	1.33E-04	4.80E-05
3808	609407.64	4170321.33	1.04E-03	4.61E-04	1.72E-04	8.04E-05	1.27E-04	4.59E-05
3809	609416.51	4170318.33	9.90E-04	4.41E-04	1.64E-04	7.69E-05	1.21E-04	4.39E-05
3810	609239.13	4170378.32	1.72E-03	7.65E-04	2.85E-04	1.33E-04	2.11E-04	7.62E-05
3811	609231.47	4170384.26	1.75E-03	7.77E-04	2.90E-04	1.36E-04	2.14E-04	7.75E-05
3812	609223.81	4170390.2	1.77E-03	7.87E-04	2.94E-04	1.37E-04	2.17E-04	7.85E-05
3813	609216.16	4170396.15	1.78E-03	7.94E-04	2.96E-04	1.39E-04	2.19E-04	7.92E-05
3814	609208.5	4170402.09	1.79E-03	7.98E-04	2.98E-04	1.39E-04	2.20E-04	7.96E-05
3815	609177.86	4170425.87	1.76E-03	7.84E-04	2.93E-04	1.37E-04	2.16E-04	7.82E-05
3816	609170.2	4170431.81	1.74E-03	7.73E-04	2.89E-04	1.35E-04	2.13E-04	7.71E-05
3817	609162.54	4170437.76	1.71E-03	7.60E-04	2.84E-04	1.33E-04	2.09E-04	7.58E-05
3818	609154.88	4170443.7	1.67E-03	7.44E-04	2.78E-04	1.30E-04	2.05E-04	7.42E-05
3819	609147.22	4170449.64	1.63E-03	7.26E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3820	609139.56	4170455.59	1.59E-03	7.07E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3821	609131.9	4170461.53	1.54E-03	6.86E-04	2.56E-04	1.20E-04	1.89E-04	6.84E-05
3822	609124.24	4170467.48	1.49E-03	6.63E-04	2.47E-04	1.16E-04	1.83E-04	6.61E-05
3823	609242.17	4170367.32	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3824	609251.33	4170364.22	1.62E-03	7.23E-04	2.70E-04	1.26E-04	1.99E-04	7.21E-05
3825	609260.5	4170361.12	1.61E-03	7.15E-04	2.67E-04	1.25E-04	1.97E-04	7.14E-05
3826	609269.66	4170358.02	1.59E-03	7.06E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3827	609278.82	4170354.92	1.56E-03	6.95E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
3828	609287.99	4170351.82	1.53E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
3829	609297.15	4170348.72	1.50E-03	6.68E-04	2.49E-04	1.17E-04	1.84E-04	6.66E-05
3830	609306.32	4170345.62	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3831	609315.48	4170342.52	1.43E-03	6.35E-04	2.37E-04	1.11E-04	1.75E-04	6.33E-05
3832	609324.65	4170339.42	1.38E-03	6.16E-04	2.30E-04	1.08E-04	1.70E-04	6.15E-05
3833	609333.81	4170336.32	1.34E-03	5.97E-04	2.23E-04	1.04E-04	1.64E-04	5.95E-05
3834	609342.98	4170333.22	1.30E-03	5.77E-04	2.15E-04	1.01E-04	1.59E-04	5.76E-05
3835	609352.14	4170330.12	1.25E-03	5.57E-04	2.08E-04	9.72E-05	1.53E-04	5.55E-05
3836	609361.31	4170327.02	1.20E-03	5.36E-04	2.00E-04	9.36E-05	1.48E-04	5.35E-05
3837	609370.47	4170323.93	1.16E-03	5.15E-04	1.92E-04	9.00E-05	1.42E-04	5.14E-05
3838	609379.63	4170320.83	1.11E-03	4.95E-04	1.85E-04	8.64E-05	1.36E-04	4.93E-05
3839	609388.8	4170317.73	1.07E-03	4.74E-04	1.77E-04	8.28E-05	1.31E-04	4.73E-05
3840	609397.96	4170314.63	1.02E-03	4.54E-04	1.69E-04	7.93E-05	1.25E-04	4.53E-05
3841	609407.13	4170311.53	9.76E-04	4.34E-04	1.62E-04	7.58E-05	1.20E-04	4.33E-05
3842	609416.29	4170308.43	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
3843	609233	4170370.42	1.64E-03	7.30E-04	2.72E-04	1.27E-04	2.01E-04	7.28E-05
3844	609225.34	4170376.36	1.67E-03	7.42E-04	2.77E-04	1.29E-04	2.04E-04	7.40E-05

3845	609217.68	4170382.3	1.69E-03	7.51E-04	2.80E-04	1.31E-04	2.07E-04	7.49E-05
3846	609210.02	4170388.25	1.70E-03	7.57E-04	2.83E-04	1.32E-04	2.09E-04	7.55E-05
3847	609202.37	4170394.19	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3848	609194.71	4170400.14	1.71E-03	7.63E-04	2.85E-04	1.33E-04	2.10E-04	7.60E-05
3849	609164.07	4170423.91	1.66E-03	7.39E-04	2.76E-04	1.29E-04	2.04E-04	7.37E-05
3850	609156.41	4170429.86	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3851	609148.75	4170435.8	1.60E-03	7.13E-04	2.66E-04	1.24E-04	1.96E-04	7.11E-05
3852	609141.09	4170441.74	1.57E-03	6.97E-04	2.60E-04	1.22E-04	1.92E-04	6.95E-05
3853	609133.43	4170447.69	1.52E-03	6.79E-04	2.53E-04	1.18E-04	1.87E-04	6.77E-05
3854	609125.77	4170453.63	1.48E-03	6.59E-04	2.46E-04	1.15E-04	1.82E-04	6.57E-05
3855	609118.11	4170459.58	1.43E-03	6.38E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
3856	609297.79	4170726.34	5.09E-03	2.27E-03	8.46E-04	3.96E-04	6.24E-04	2.26E-04
3857	609281.08	4170698.17	5.19E-03	2.31E-03	8.62E-04	4.03E-04	6.36E-04	2.30E-04
3858	609271.27	4170697.61	4.31E-03	1.92E-03	7.15E-04	3.35E-04	5.28E-04	1.91E-04
3859	609277.46	4170685.24	5.36E-03	2.39E-03	8.90E-04	4.16E-04	6.57E-04	2.38E-04
3860	609261.4	4170697.18	3.65E-03	1.63E-03	6.07E-04	2.84E-04	4.48E-04	1.62E-04
3861	609267.85	4170684.3	4.49E-03	2.00E-03	7.46E-04	3.49E-04	5.50E-04	1.99E-04
3862	609258.05	4170710.96	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
3863	609251.08	4170697.65	3.12E-03	1.39E-03	5.18E-04	2.42E-04	3.82E-04	1.38E-04
3864	609256.88	4170686.06	3.69E-03	1.64E-03	6.13E-04	2.87E-04	4.52E-04	1.64E-04
3865	609262.68	4170674.47	4.35E-03	1.94E-03	7.23E-04	3.38E-04	5.33E-04	1.93E-04
3866	609248.05	4170710.79	2.73E-03	1.22E-03	4.54E-04	2.12E-04	3.35E-04	1.21E-04
3867	609241.19	4170697.26	2.74E-03	1.22E-03	4.54E-04	2.13E-04	3.35E-04	1.21E-04
3868	609247.2	4170685.24	3.21E-03	1.43E-03	5.33E-04	2.49E-04	3.93E-04	1.42E-04
3869	609253.22	4170673.22	3.77E-03	1.68E-03	6.26E-04	2.93E-04	4.62E-04	1.67E-04
3870	609259.24	4170661.2	4.36E-03	1.94E-03	7.25E-04	3.39E-04	5.35E-04	1.94E-04
3871	609238.05	4170710.62	2.42E-03	1.08E-03	4.03E-04	1.88E-04	2.97E-04	1.08E-04
3872	609231.28	4170696.92	2.43E-03	1.08E-03	4.04E-04	1.89E-04	2.98E-04	1.08E-04
3873	609237.46	4170684.55	2.82E-03	1.26E-03	4.69E-04	2.19E-04	3.46E-04	1.25E-04
3874	609243.65	4170672.19	3.29E-03	1.47E-03	5.47E-04	2.56E-04	4.04E-04	1.46E-04
3875	609249.84	4170659.83	3.81E-03	1.70E-03	6.33E-04	2.96E-04	4.67E-04	1.69E-04
3876	609228.06	4170710.44	2.17E-03	9.67E-04	3.61E-04	1.69E-04	2.66E-04	9.65E-05
3877	609221.35	4170696.61	2.18E-03	9.69E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3878	609227.68	4170683.96	2.51E-03	1.12E-03	4.17E-04	1.95E-04	3.08E-04	1.11E-04
3879	609234.01	4170671.31	2.91E-03	1.29E-03	4.83E-04	2.26E-04	3.57E-04	1.29E-04
3880	609240.33	4170658.67	3.36E-03	1.49E-03	5.57E-04	2.61E-04	4.11E-04	1.49E-04
3881	609246.66	4170646.02	3.82E-03	1.70E-03	6.34E-04	2.97E-04	4.68E-04	1.69E-04
3882	609218.06	4170710.27	1.97E-03	8.75E-04	3.27E-04	1.53E-04	2.41E-04	8.73E-05
3883	609211.41	4170696.32	1.97E-03	8.76E-04	3.27E-04	1.53E-04	2.41E-04	8.74E-05
3884	609217.85	4170683.44	2.25E-03	1.00E-03	3.73E-04	1.75E-04	2.76E-04	9.98E-05
3885	609224.3	4170670.56	2.59E-03	1.15E-03	4.30E-04	2.01E-04	3.17E-04	1.15E-04
3886	609230.75	4170657.68	2.98E-03	1.32E-03	4.94E-04	2.31E-04	3.65E-04	1.32E-04
3887	609237.19	4170644.8	3.39E-03	1.51E-03	5.63E-04	2.63E-04	4.15E-04	1.50E-04
3888	609201.46	4170696.04	1.79E-03	7.97E-04	2.97E-04	1.39E-04	2.20E-04	7.95E-05
3889	609208	4170682.97	2.03E-03	9.03E-04	3.37E-04	1.58E-04	2.49E-04	9.00E-05
3890	609214.55	4170669.89	2.32E-03	1.03E-03	3.85E-04	1.80E-04	2.84E-04	1.03E-04
3891	609221.09	4170656.81	2.66E-03	1.18E-03	4.41E-04	2.06E-04	3.26E-04	1.18E-04
3892	609227.64	4170643.73	3.02E-03	1.34E-03	5.02E-04	2.35E-04	3.70E-04	1.34E-04
3893	609234.19	4170630.66	3.39E-03	1.51E-03	5.62E-04	2.63E-04	4.15E-04	1.50E-04
3894	609191.28	4170696.23	1.63E-03	7.27E-04	2.71E-04	1.27E-04	2.00E-04	7.25E-05
3895	609197.47	4170683.86	1.82E-03	8.11E-04	3.03E-04	1.42E-04	2.23E-04	8.09E-05
3896	609203.66	4170671.5	2.05E-03	9.12E-04	3.40E-04	1.59E-04	2.51E-04	9.09E-05

3897	609209.85	4170659.14	2.31E-03	1.03E-03	3.84E-04	1.80E-04	2.84E-04	1.03E-04
3898	609216.03	4170646.77	2.61E-03	1.16E-03	4.33E-04	2.03E-04	3.20E-04	1.16E-04
3899	609222.22	4170634.41	2.92E-03	1.30E-03	4.84E-04	2.27E-04	3.58E-04	1.29E-04
3900	609228.41	4170622.04	3.22E-03	1.43E-03	5.35E-04	2.50E-04	3.95E-04	1.43E-04
3901	609187.81	4170724.44	1.43E-03	6.37E-04	2.38E-04	1.11E-04	1.76E-04	6.36E-05
3902	609181.33	4170695.96	1.50E-03	6.69E-04	2.50E-04	1.17E-04	1.84E-04	6.67E-05
3903	609187.62	4170683.4	1.67E-03	7.43E-04	2.77E-04	1.30E-04	2.05E-04	7.41E-05
3904	609193.9	4170670.84	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
3905	609200.19	4170658.29	2.10E-03	9.34E-04	3.48E-04	1.63E-04	2.57E-04	9.31E-05
3906	609206.47	4170645.73	2.36E-03	1.05E-03	3.92E-04	1.83E-04	2.89E-04	1.05E-04
3907	609212.76	4170633.17	2.63E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
3908	609219.04	4170620.61	2.91E-03	1.30E-03	4.84E-04	2.26E-04	3.57E-04	1.29E-04
3909	609177.81	4170724.27	1.33E-03	5.92E-04	2.21E-04	1.03E-04	1.63E-04	5.90E-05
3910	609177.75	4170682.97	1.54E-03	6.83E-04	2.55E-04	1.19E-04	1.88E-04	6.81E-05
3911	609184.12	4170670.25	1.71E-03	7.61E-04	2.84E-04	1.33E-04	2.10E-04	7.59E-05
3912	609190.49	4170657.52	1.91E-03	8.52E-04	3.18E-04	1.49E-04	2.35E-04	8.49E-05
3913	609196.86	4170644.79	2.14E-03	9.54E-04	3.56E-04	1.66E-04	2.63E-04	9.51E-05
3914	609203.23	4170632.06	2.39E-03	1.06E-03	3.97E-04	1.86E-04	2.93E-04	1.06E-04
3915	609209.6	4170619.33	2.64E-03	1.18E-03	4.39E-04	2.05E-04	3.24E-04	1.17E-04
3916	609215.97	4170606.61	2.89E-03	1.29E-03	4.80E-04	2.24E-04	3.54E-04	1.28E-04
3917	609167.81	4170724.1	1.24E-03	5.51E-04	2.06E-04	9.61E-05	1.52E-04	5.49E-05
3918	609167.86	4170682.57	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3919	609174.31	4170669.69	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
3920	609180.75	4170656.81	1.75E-03	7.80E-04	2.91E-04	1.36E-04	2.15E-04	7.78E-05
3921	609187.2	4170643.94	1.96E-03	8.71E-04	3.25E-04	1.52E-04	2.40E-04	8.69E-05
3922	609193.65	4170631.06	2.18E-03	9.70E-04	3.62E-04	1.69E-04	2.67E-04	9.67E-05
3923	609200.09	4170618.18	2.41E-03	1.07E-03	4.00E-04	1.87E-04	2.95E-04	1.07E-04
3924	609206.54	4170605.3	2.64E-03	1.17E-03	4.38E-04	2.05E-04	3.23E-04	1.17E-04
3925	609157.81	4170723.92	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3926	609157.96	4170682.2	1.32E-03	5.86E-04	2.19E-04	1.02E-04	1.61E-04	5.84E-05
3927	609164.48	4170669.18	1.45E-03	6.47E-04	2.41E-04	1.13E-04	1.78E-04	6.45E-05
3928	609170.99	4170656.17	1.61E-03	7.18E-04	2.68E-04	1.25E-04	1.98E-04	7.16E-05
3929	609177.51	4170643.15	1.80E-03	7.99E-04	2.98E-04	1.39E-04	2.20E-04	7.97E-05
3930	609184.02	4170630.14	1.99E-03	8.88E-04	3.31E-04	1.55E-04	2.45E-04	8.85E-05
3931	609190.53	4170617.12	2.20E-03	9.81E-04	3.66E-04	1.71E-04	2.70E-04	9.78E-05
3932	609197.05	4170604.11	2.41E-03	1.07E-03	4.01E-04	1.87E-04	2.96E-04	1.07E-04
3933	609148.07	4170709.06	1.13E-03	5.02E-04	1.87E-04	8.76E-05	1.38E-04	5.00E-05
3934	609147.81	4170723.75	1.08E-03	4.82E-04	1.80E-04	8.41E-05	1.33E-04	4.80E-05
3935	609178.9	4170620.22	1.96E-03	8.73E-04	3.26E-04	1.52E-04	2.41E-04	8.71E-05
3936	609185.16	4170607.71	2.15E-03	9.55E-04	3.56E-04	1.67E-04	2.63E-04	9.52E-05
3937	609137.82	4170723.58	1.02E-03	4.52E-04	1.69E-04	7.90E-05	1.25E-04	4.51E-05
3938	609121.39	4170694.82	9.86E-04	4.39E-04	1.64E-04	7.66E-05	1.21E-04	4.37E-05
3939	609134.17	4170669.28	1.16E-03	5.16E-04	1.92E-04	9.00E-05	1.42E-04	5.14E-05
3940	609185.29	4170567.14	2.27E-03	1.01E-03	3.78E-04	1.77E-04	2.79E-04	1.01E-04
3941	609118.07	4170708.55	9.33E-04	4.15E-04	1.55E-04	7.25E-05	1.14E-04	4.14E-05
3942	609111.42	4170694.59	9.28E-04	4.13E-04	1.54E-04	7.21E-05	1.14E-04	4.12E-05
3943	609124.31	4170668.83	1.09E-03	4.83E-04	1.80E-04	8.43E-05	1.33E-04	4.82E-05
3944	609130.76	4170655.95	1.18E-03	5.27E-04	1.97E-04	9.20E-05	1.45E-04	5.25E-05
3945	609137.21	4170643.07	1.30E-03	5.76E-04	2.15E-04	1.01E-04	1.59E-04	5.75E-05
3946	609143.65	4170630.19	1.42E-03	6.31E-04	2.36E-04	1.10E-04	1.74E-04	6.30E-05
3947	609150.1	4170617.31	1.55E-03	6.91E-04	2.58E-04	1.21E-04	1.90E-04	6.89E-05
3948	609156.55	4170604.43	1.69E-03	7.54E-04	2.81E-04	1.32E-04	2.08E-04	7.52E-05

3949	609162.99	4170591.56	1.84E-03	8.18E-04	3.05E-04	1.43E-04	2.25E-04	8.16E-05
3950	609108.07	4170708.37	8.81E-04	3.92E-04	1.46E-04	6.85E-05	1.08E-04	3.91E-05
3951	609107.82	4170723.06	8.54E-04	3.80E-04	1.42E-04	6.63E-05	1.05E-04	3.79E-05
3952	609101.45	4170694.37	8.77E-04	3.90E-04	1.46E-04	6.81E-05	1.07E-04	3.89E-05
3953	609114.45	4170668.4	1.02E-03	4.53E-04	1.69E-04	7.92E-05	1.25E-04	4.52E-05
3954	609120.94	4170655.42	1.11E-03	4.93E-04	1.84E-04	8.61E-05	1.36E-04	4.92E-05
3955	609127.44	4170642.44	1.21E-03	5.38E-04	2.01E-04	9.40E-05	1.48E-04	5.37E-05
3956	609133.94	4170629.45	1.32E-03	5.88E-04	2.20E-04	1.03E-04	1.62E-04	5.87E-05
3957	609140.44	4170616.47	1.44E-03	6.43E-04	2.40E-04	1.12E-04	1.77E-04	6.41E-05
3958	609146.93	4170603.49	1.57E-03	7.00E-04	2.61E-04	1.22E-04	1.93E-04	6.98E-05
3959	609153.43	4170590.51	1.71E-03	7.59E-04	2.83E-04	1.33E-04	2.09E-04	7.57E-05
3960	609098.07	4170708.2	8.34E-04	3.71E-04	1.39E-04	6.48E-05	1.02E-04	3.70E-05
3961	609097.82	4170722.89	8.09E-04	3.60E-04	1.34E-04	6.29E-05	9.92E-05	3.59E-05
3962	609091.48	4170694.15	8.30E-04	3.69E-04	1.38E-04	6.45E-05	1.02E-04	3.68E-05
3963	609111.11	4170654.91	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
3964	609117.66	4170641.84	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.03E-05
3965	609124.2	4170628.76	1.23E-03	5.49E-04	2.05E-04	9.59E-05	1.51E-04	5.48E-05
3966	609130.75	4170615.68	1.35E-03	5.99E-04	2.23E-04	1.05E-04	1.65E-04	5.97E-05
3967	609137.29	4170602.6	1.46E-03	6.52E-04	2.43E-04	1.14E-04	1.80E-04	6.50E-05
3968	609143.84	4170589.53	1.59E-03	7.07E-04	2.64E-04	1.23E-04	1.95E-04	7.05E-05
3969	609088.08	4170708.03	7.91E-04	3.52E-04	1.31E-04	6.14E-05	9.69E-05	3.51E-05
3970	609087.82	4170722.72	7.68E-04	3.42E-04	1.28E-04	5.97E-05	9.42E-05	3.41E-05
3971	609081.38	4170694.17	7.86E-04	3.50E-04	1.31E-04	6.11E-05	9.64E-05	3.49E-05
3972	609087.74	4170681.47	8.38E-04	3.73E-04	1.39E-04	6.51E-05	1.03E-04	3.72E-05
3973	609100.44	4170656.08	9.70E-04	4.32E-04	1.61E-04	7.53E-05	1.19E-04	4.30E-05
3974	609106.8	4170643.38	1.05E-03	4.67E-04	1.74E-04	8.15E-05	1.29E-04	4.66E-05
3975	609113.15	4170630.69	1.14E-03	5.06E-04	1.89E-04	8.83E-05	1.39E-04	5.05E-05
3976	609119.5	4170617.99	1.23E-03	5.49E-04	2.05E-04	9.58E-05	1.51E-04	5.47E-05
3977	609125.86	4170605.3	1.34E-03	5.95E-04	2.22E-04	1.04E-04	1.64E-04	5.93E-05
3978	609132.21	4170592.6	1.45E-03	6.44E-04	2.40E-04	1.12E-04	1.77E-04	6.42E-05
3979	609138.57	4170579.91	1.56E-03	6.93E-04	2.59E-04	1.21E-04	1.91E-04	6.91E-05
3980	609151.27	4170554.52	1.77E-03	7.88E-04	2.94E-04	1.38E-04	2.17E-04	7.86E-05
3981	609157.63	4170541.82	1.87E-03	8.31E-04	3.10E-04	1.45E-04	2.29E-04	8.29E-05
3982	609078.08	4170707.86	7.51E-04	3.34E-04	1.25E-04	5.84E-05	9.21E-05	3.33E-05
3983	609077.82	4170722.54	7.31E-04	3.25E-04	1.21E-04	5.68E-05	8.96E-05	3.24E-05
3984	609071.41	4170693.95	7.47E-04	3.32E-04	1.24E-04	5.80E-05	9.16E-05	3.31E-05
3985	609077.81	4170681.15	7.95E-04	3.54E-04	1.32E-04	6.18E-05	9.75E-05	3.53E-05
3986	609090.61	4170655.57	9.15E-04	4.07E-04	1.52E-04	7.11E-05	1.12E-04	4.06E-05
3987	609097.01	4170642.78	9.88E-04	4.40E-04	1.64E-04	7.68E-05	1.21E-04	4.38E-05
3988	609103.41	4170629.99	1.07E-03	4.75E-04	1.77E-04	8.30E-05	1.31E-04	4.74E-05
3989	609109.82	4170617.2	1.16E-03	5.14E-04	1.92E-04	8.98E-05	1.42E-04	5.13E-05
3990	609116.22	4170604.41	1.25E-03	5.57E-04	2.08E-04	9.73E-05	1.53E-04	5.56E-05
3991	609122.62	4170591.62	1.35E-03	6.02E-04	2.25E-04	1.05E-04	1.66E-04	6.00E-05
3992	609129.02	4170578.83	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.78E-04	6.46E-05
3993	609148.23	4170540.46	1.75E-03	7.79E-04	2.91E-04	1.36E-04	2.15E-04	7.77E-05
3994	609154.63	4170527.67	1.83E-03	8.16E-04	3.04E-04	1.42E-04	2.25E-04	8.14E-05
3995	609068.08	4170707.68	7.15E-04	3.18E-04	1.19E-04	5.55E-05	8.76E-05	3.17E-05
3996	609067.83	4170722.37	6.96E-04	3.10E-04	1.16E-04	5.41E-05	8.54E-05	3.09E-05
3997	609061.43	4170693.73	7.11E-04	3.16E-04	1.18E-04	5.52E-05	8.71E-05	3.15E-05
3998	609067.88	4170680.85	7.55E-04	3.36E-04	1.25E-04	5.87E-05	9.26E-05	3.35E-05
3999	609080.77	4170655.09	8.65E-04	3.85E-04	1.44E-04	6.72E-05	1.06E-04	3.84E-05
4000	609087.21	4170642.21	9.32E-04	4.15E-04	1.55E-04	7.24E-05	1.14E-04	4.14E-05

4001	609093.66	4170629.33	1.01E-03	4.48E-04	1.67E-04	7.82E-05	1.23E-04	4.47E-05
4002	609100.11	4170616.45	1.09E-03	4.84E-04	1.81E-04	8.44E-05	1.33E-04	4.82E-05
4003	609106.55	4170603.57	1.17E-03	5.23E-04	1.95E-04	9.13E-05	1.44E-04	5.21E-05
4004	609113	4170590.69	1.27E-03	5.64E-04	2.11E-04	9.85E-05	1.55E-04	5.63E-05
4005	609119.44	4170577.81	1.36E-03	6.07E-04	2.27E-04	1.06E-04	1.67E-04	6.05E-05
4006	609138.78	4170539.18	1.64E-03	7.31E-04	2.73E-04	1.28E-04	2.01E-04	7.29E-05
4007	609145.23	4170526.3	1.72E-03	7.67E-04	2.86E-04	1.34E-04	2.11E-04	7.65E-05
4008	609058.08	4170707.51	6.81E-04	3.03E-04	1.13E-04	5.29E-05	8.35E-05	3.02E-05
4009	609057.83	4170722.2	6.64E-04	2.96E-04	1.10E-04	5.16E-05	8.14E-05	2.95E-05
4010	609051.45	4170693.51	6.78E-04	3.02E-04	1.13E-04	5.26E-05	8.31E-05	3.01E-05
4011	609057.94	4170680.55	7.19E-04	3.20E-04	1.19E-04	5.58E-05	8.81E-05	3.19E-05
4012	609077.4	4170641.66	8.81E-04	3.92E-04	1.46E-04	6.85E-05	1.08E-04	3.91E-05
4013	609083.89	4170628.7	9.49E-04	4.23E-04	1.58E-04	7.38E-05	1.16E-04	4.21E-05
4014	609090.38	4170615.74	1.02E-03	4.56E-04	1.70E-04	7.96E-05	1.26E-04	4.54E-05
4015	609096.87	4170602.78	1.10E-03	4.92E-04	1.84E-04	8.58E-05	1.35E-04	4.90E-05
4016	609103.35	4170589.81	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.29E-05
4017	609109.84	4170576.85	1.28E-03	5.70E-04	2.13E-04	9.94E-05	1.57E-04	5.68E-05
4018	609129.3	4170537.96	1.54E-03	6.87E-04	2.56E-04	1.20E-04	1.89E-04	6.85E-05
4019	609135.79	4170525	1.62E-03	7.21E-04	2.69E-04	1.26E-04	1.99E-04	7.19E-05
4020	609142.28	4170512.04	1.69E-03	7.52E-04	2.81E-04	1.31E-04	2.07E-04	7.50E-05
4021	609048.08	4170707.34	6.50E-04	2.89E-04	1.08E-04	5.05E-05	7.97E-05	2.89E-05
4022	609047.83	4170722.03	6.35E-04	2.82E-04	1.05E-04	4.93E-05	7.78E-05	2.82E-05
4023	609041.47	4170693.3	6.47E-04	2.88E-04	1.07E-04	5.03E-05	7.93E-05	2.87E-05
4024	609048	4170680.26	6.85E-04	3.05E-04	1.14E-04	5.32E-05	8.40E-05	3.04E-05
4025	609054.53	4170667.22	7.29E-04	3.24E-04	1.21E-04	5.66E-05	8.94E-05	3.24E-05
4026	609067.58	4170641.14	8.35E-04	3.72E-04	1.39E-04	6.49E-05	1.02E-04	3.71E-05
4027	609074.11	4170628.1	8.98E-04	4.00E-04	1.49E-04	6.98E-05	1.10E-04	3.99E-05
4028	609080.63	4170615.06	9.67E-04	4.30E-04	1.61E-04	7.51E-05	1.19E-04	4.29E-05
4029	609087.16	4170602.02	1.04E-03	4.63E-04	1.73E-04	8.09E-05	1.28E-04	4.62E-05
4030	609093.69	4170588.98	1.12E-03	4.99E-04	1.86E-04	8.70E-05	1.37E-04	4.97E-05
4031	609100.21	4170575.94	1.20E-03	5.35E-04	2.00E-04	9.35E-05	1.47E-04	5.34E-05
4032	609119.79	4170536.82	1.45E-03	6.46E-04	2.41E-04	1.13E-04	1.78E-04	6.44E-05
4033	609126.32	4170523.78	1.53E-03	6.79E-04	2.54E-04	1.19E-04	1.87E-04	6.78E-05
4034	609132.85	4170510.74	1.59E-03	7.10E-04	2.65E-04	1.24E-04	1.95E-04	7.08E-05
4035	609038.08	4170707.17	6.21E-04	2.77E-04	1.03E-04	4.83E-05	7.62E-05	2.76E-05
4036	609037.83	4170721.85	6.07E-04	2.70E-04	1.01E-04	4.72E-05	7.44E-05	2.69E-05
4037	609031.49	4170693.09	6.18E-04	2.75E-04	1.03E-04	4.81E-05	7.58E-05	2.74E-05
4038	609038.06	4170679.98	6.54E-04	2.91E-04	1.09E-04	5.08E-05	8.02E-05	2.90E-05
4039	609044.62	4170666.87	6.95E-04	3.09E-04	1.15E-04	5.40E-05	8.52E-05	3.08E-05
4040	609057.75	4170640.64	7.93E-04	3.53E-04	1.32E-04	6.16E-05	9.72E-05	3.52E-05
4041	609064.31	4170627.53	8.51E-04	3.79E-04	1.41E-04	6.61E-05	1.04E-04	3.78E-05
4042	609070.87	4170614.41	9.14E-04	4.07E-04	1.52E-04	7.10E-05	1.12E-04	4.06E-05
4043	609077.44	4170601.3	9.83E-04	4.37E-04	1.63E-04	7.64E-05	1.20E-04	4.36E-05
4044	609084	4170588.19	1.06E-03	4.70E-04	1.75E-04	8.20E-05	1.29E-04	4.69E-05
4045	609090.56	4170575.07	1.13E-03	5.04E-04	1.88E-04	8.80E-05	1.39E-04	5.03E-05
4046	609097.13	4170561.96	1.21E-03	5.39E-04	2.01E-04	9.41E-05	1.48E-04	5.37E-05
4047	609110.25	4170535.73	1.37E-03	6.08E-04	2.27E-04	1.06E-04	1.68E-04	6.06E-05
4048	609116.82	4170522.62	1.44E-03	6.40E-04	2.39E-04	1.12E-04	1.76E-04	6.39E-05
4049	609123.38	4170509.5	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.68E-05
4050	609129.94	4170496.39	1.56E-03	6.96E-04	2.60E-04	1.21E-04	1.92E-04	6.94E-05
4051	609028.08	4170706.99	5.95E-04	2.65E-04	9.88E-05	4.62E-05	7.29E-05	2.64E-05
4052	609027.83	4170721.68	5.82E-04	2.59E-04	9.66E-05	4.52E-05	7.13E-05	2.58E-05

4053	609047.05	4170641.85	7.47E-04	3.33E-04	1.24E-04	5.81E-05	9.16E-05	3.32E-05
4054	609053.46	4170629.05	7.99E-04	3.55E-04	1.33E-04	6.21E-05	9.79E-05	3.54E-05
4055	609059.87	4170616.24	8.55E-04	3.80E-04	1.42E-04	6.64E-05	1.05E-04	3.79E-05
4056	609066.28	4170603.43	9.16E-04	4.07E-04	1.52E-04	7.11E-05	1.12E-04	4.06E-05
4057	609072.69	4170590.63	9.80E-04	4.36E-04	1.63E-04	7.62E-05	1.20E-04	4.35E-05
4058	609079.1	4170577.82	1.05E-03	4.67E-04	1.74E-04	8.15E-05	1.29E-04	4.65E-05
4059	609085.51	4170565.02	1.12E-03	4.98E-04	1.86E-04	8.69E-05	1.37E-04	4.97E-05
4060	609104.74	4170526.6	1.33E-03	5.93E-04	2.21E-04	1.03E-04	1.63E-04	5.91E-05
4061	609111.15	4170513.79	1.40E-03	6.21E-04	2.32E-04	1.08E-04	1.71E-04	6.20E-05
4062	609117.56	4170500.99	1.46E-03	6.48E-04	2.42E-04	1.13E-04	1.78E-04	6.46E-05
4063	609123.97	4170488.18	1.51E-03	6.70E-04	2.50E-04	1.17E-04	1.85E-04	6.69E-05
4064	609017.83	4170721.51	5.58E-04	2.48E-04	9.26E-05	4.33E-05	6.84E-05	2.48E-05
4065	609069.45	4170576.95	9.92E-04	4.41E-04	1.65E-04	7.71E-05	1.22E-04	4.40E-05
4066	609075.9	4170564.07	1.06E-03	4.71E-04	1.76E-04	8.22E-05	1.30E-04	4.69E-05
4067	609095.24	4170525.43	1.26E-03	5.60E-04	2.09E-04	9.78E-05	1.54E-04	5.58E-05
4068	609101.68	4170512.55	1.32E-03	5.88E-04	2.19E-04	1.03E-04	1.62E-04	5.86E-05
4069	609108.13	4170499.67	1.38E-03	6.13E-04	2.29E-04	1.07E-04	1.69E-04	6.11E-05
4070	609114.57	4170486.79	1.43E-03	6.36E-04	2.37E-04	1.11E-04	1.75E-04	6.34E-05
4071	609001.46	4170692.66	5.44E-04	2.42E-04	9.04E-05	4.23E-05	6.67E-05	2.42E-05
4072	609007.94	4170679.71	5.72E-04	2.55E-04	9.50E-05	4.45E-05	7.01E-05	2.54E-05
4073	609014.42	4170666.76	6.04E-04	2.69E-04	1.00E-04	4.69E-05	7.40E-05	2.68E-05
4074	609085.71	4170524.32	1.19E-03	5.30E-04	1.98E-04	9.25E-05	1.46E-04	5.28E-05
4075	609092.19	4170511.37	1.25E-03	5.56E-04	2.08E-04	9.71E-05	1.53E-04	5.55E-05
4076	609098.67	4170498.42	1.31E-03	5.81E-04	2.17E-04	1.01E-04	1.60E-04	5.79E-05
4077	609105.15	4170485.47	1.36E-03	6.03E-04	2.25E-04	1.05E-04	1.66E-04	6.02E-05
4078	609111.63	4170472.52	1.40E-03	6.22E-04	2.32E-04	1.09E-04	1.71E-04	6.21E-05
4079	608998.09	4170706.48	5.25E-04	2.34E-04	8.73E-05	4.08E-05	6.44E-05	2.33E-05

Max Yr Row	1		T2	T2L3	T4f
	18		1.30E-01	2.16E-02	1.59E-02
	Col		3	4	5
	Adjustment		100%	17%	12%
			Year 1	Year 1	Year 1
1	609307.7	4170737	2.62E-02	4.35E-03	3.21E-03
2	609317.6	4170737	3.21E-02	5.33E-03	3.93E-03
3	609327.4	4170737	4.14E-02	6.87E-03	5.07E-03
4	609337.3	4170737	5.58E-02	9.27E-03	6.84E-03
5	609347.1	4170737	7.50E-02	1.25E-02	9.20E-03
6	609357	4170737	9.44E-02	1.57E-02	1.16E-02
7	609366.8	4170737	1.11E-01	1.84E-02	1.36E-02
8	609376.7	4170737	1.24E-01	2.06E-02	1.52E-02
9	609386.5	4170737	1.35E-01	2.24E-02	1.65E-02
10	609396.3	4170737	1.46E-01	2.42E-02	1.78E-02
11	609406.2	4170737	1.55E-01	2.57E-02	1.90E-02
12	609416	4170737	1.63E-01	2.70E-02	1.99E-02
13	609425.9	4170737	1.69E-01	2.80E-02	2.07E-02
14	609435.7	4170737	1.74E-01	2.89E-02	2.13E-02
15	609445.6	4170737	1.78E-01	2.96E-02	2.19E-02
16	609455.4	4170737	1.82E-01	3.03E-02	2.24E-02
17	609465.2	4170737	1.86E-01	3.09E-02	2.28E-02
18	609475.1	4170737	1.89E-01	3.13E-02	2.31E-02
19	609484.9	4170737	1.91E-01	3.17E-02	2.34E-02
20	609494.8	4170737	1.93E-01	3.20E-02	2.36E-02
21	609504.6	4170737	1.94E-01	3.23E-02	2.38E-02
22	609514.5	4170737	1.97E-01	3.27E-02	2.41E-02
23	609524.3	4170737	1.99E-01	3.30E-02	2.44E-02
24	609534.1	4170738	2.00E-01	3.32E-02	2.45E-02
25	609544	4170738	1.99E-01	3.31E-02	2.44E-02
26	609553.8	4170738	1.98E-01	3.29E-02	2.43E-02
27	609563.7	4170738	1.96E-01	3.25E-02	2.40E-02
28	609573.5	4170738	1.92E-01	3.19E-02	2.36E-02
29	609583.4	4170738	1.87E-01	3.11E-02	2.30E-02
30	609593.2	4170738	1.79E-01	2.97E-02	2.19E-02
31	609300.6	4170744	2.09E-02	3.48E-03	2.57E-03
32	609290.6	4170733	2.05E-02	3.40E-03	2.51E-03
33	609317.5	4170747	2.65E-02	4.40E-03	3.25E-03
34	609327.4	4170747	3.24E-02	5.38E-03	3.97E-03
35	609337.2	4170747	4.08E-02	6.77E-03	5.00E-03
36	609347.1	4170747	5.15E-02	8.55E-03	6.31E-03
37	609356.9	4170747	6.30E-02	1.05E-02	7.73E-03
38	609366.8	4170747	7.39E-02	1.23E-02	9.07E-03
39	609376.6	4170747	8.37E-02	1.39E-02	1.03E-02
40	609386.5	4170747	9.24E-02	1.53E-02	1.13E-02
41	609396.3	4170747	1.00E-01	1.67E-02	1.23E-02
42	609406.1	4170747	1.07E-01	1.79E-02	1.32E-02
43	609416	4170747	1.14E-01	1.89E-02	1.39E-02
44	609425.8	4170747	1.19E-01	1.98E-02	1.46E-02
45	609435.7	4170747	1.24E-01	2.06E-02	1.52E-02
46	609445.5	4170747	1.28E-01	2.13E-02	1.57E-02

47	609455.4	4170747	1.32E-01	2.19E-02	1.61E-02
48	609465.2	4170747	1.35E-01	2.24E-02	1.65E-02
49	609475	4170747	1.37E-01	2.28E-02	1.69E-02
50	609484.9	4170747	1.40E-01	2.32E-02	1.71E-02
51	609494.7	4170747	1.42E-01	2.35E-02	1.74E-02
52	609504.6	4170747	1.43E-01	2.38E-02	1.76E-02
53	609514.4	4170747	1.45E-01	2.41E-02	1.78E-02
54	609524.3	4170747	1.46E-01	2.42E-02	1.79E-02
55	609534.1	4170748	1.46E-01	2.43E-02	1.80E-02
56	609543.9	4170748	1.46E-01	2.43E-02	1.80E-02
57	609553.8	4170748	1.46E-01	2.42E-02	1.79E-02
58	609563.6	4170748	1.45E-01	2.41E-02	1.78E-02
59	609573.5	4170748	1.43E-01	2.37E-02	1.75E-02
60	609583.3	4170748	1.39E-01	2.32E-02	1.71E-02
61	609593.2	4170748	1.34E-01	2.23E-02	1.65E-02
62	609300.6	4170754	1.84E-02	3.05E-03	2.25E-03
63	609283.5	4170740	1.71E-02	2.84E-03	2.09E-03
64	609317.5	4170757	2.24E-02	3.73E-03	2.75E-03
65	609327.3	4170757	2.65E-02	4.40E-03	3.25E-03
66	609356.9	4170757	4.59E-02	7.62E-03	5.62E-03
67	609366.7	4170757	5.33E-02	8.86E-03	6.54E-03
68	609376.6	4170757	6.04E-02	1.00E-02	7.41E-03
69	609386.4	4170757	6.70E-02	1.11E-02	8.22E-03
70	609396.2	4170757	7.31E-02	1.21E-02	8.96E-03
71	609406.1	4170757	7.86E-02	1.31E-02	9.64E-03
72	609415.9	4170757	8.36E-02	1.39E-02	1.03E-02
73	609425.8	4170757	8.83E-02	1.47E-02	1.08E-02
74	609435.6	4170757	9.25E-02	1.54E-02	1.13E-02
75	609445.5	4170757	9.62E-02	1.60E-02	1.18E-02
76	609455.3	4170757	9.94E-02	1.65E-02	1.22E-02
77	609465.2	4170757	1.02E-01	1.70E-02	1.25E-02
78	609475	4170757	1.05E-01	1.74E-02	1.28E-02
79	609484.8	4170757	1.07E-01	1.77E-02	1.31E-02
80	609494.7	4170757	1.09E-01	1.80E-02	1.33E-02
81	609504.5	4170757	1.10E-01	1.83E-02	1.35E-02
82	609514.4	4170757	1.11E-01	1.85E-02	1.36E-02
83	609524.2	4170757	1.12E-01	1.86E-02	1.38E-02
84	609534.1	4170758	1.13E-01	1.87E-02	1.38E-02
85	609543.9	4170758	1.13E-01	1.88E-02	1.39E-02
86	609553.7	4170758	1.13E-01	1.88E-02	1.38E-02
87	609563.6	4170758	1.12E-01	1.86E-02	1.38E-02
88	609573.4	4170758	1.11E-01	1.84E-02	1.36E-02
89	609583.3	4170758	1.09E-01	1.81E-02	1.33E-02
90	609593.1	4170758	1.05E-01	1.75E-02	1.29E-02
91	609300.5	4170764	1.63E-02	2.71E-03	2.00E-03
92	609286.3	4170757	1.48E-02	2.47E-03	1.82E-03
93	609276.4	4170747	1.46E-02	2.43E-03	1.79E-03
94	609317.5	4170767	1.94E-02	3.22E-03	2.38E-03
95	609327.3	4170767	2.23E-02	3.71E-03	2.73E-03
96	609298.7	4170773	1.44E-02	2.40E-03	1.77E-03
97	609289.8	4170769	1.37E-02	2.28E-03	1.68E-03
98	609280.9	4170765	1.31E-02	2.17E-03	1.60E-03

99	609268.5	4170753	1.28E-02	2.13E-03	1.58E-03
100	609264.9	4170744	1.33E-02	2.20E-03	1.63E-03
101	609307.6	4170777	1.52E-02	2.53E-03	1.87E-03
102	609317.4	4170777	1.70E-02	2.82E-03	2.08E-03
103	609327.3	4170777	1.92E-02	3.18E-03	2.35E-03
104	609366.6	4170777	3.24E-02	5.38E-03	3.97E-03
105	609376.5	4170777	3.63E-02	6.03E-03	4.45E-03
106	609386.3	4170777	4.02E-02	6.67E-03	4.93E-03
107	609396.2	4170777	4.39E-02	7.29E-03	5.38E-03
108	609406	4170777	4.74E-02	7.88E-03	5.82E-03
109	609415.8	4170777	5.08E-02	8.44E-03	6.23E-03
110	609425.7	4170777	5.41E-02	8.98E-03	6.63E-03
111	609435.5	4170777	5.71E-02	9.48E-03	7.00E-03
112	609445.4	4170777	5.98E-02	9.94E-03	7.34E-03
113	609455.2	4170777	6.22E-02	1.03E-02	7.63E-03
114	609465.1	4170777	6.44E-02	1.07E-02	7.90E-03
115	609474.9	4170777	6.64E-02	1.10E-02	8.14E-03
116	609484.7	4170777	6.81E-02	1.13E-02	8.35E-03
117	609494.6	4170777	6.96E-02	1.16E-02	8.53E-03
118	609504.4	4170777	7.09E-02	1.18E-02	8.69E-03
119	609514.3	4170777	7.20E-02	1.20E-02	8.82E-03
120	609524.1	4170777	7.28E-02	1.21E-02	8.93E-03
121	609534	4170778	7.34E-02	1.22E-02	9.00E-03
122	609543.8	4170778	7.39E-02	1.23E-02	9.06E-03
123	609553.7	4170778	7.40E-02	1.23E-02	9.08E-03
124	609563.5	4170778	7.39E-02	1.23E-02	9.06E-03
125	609573.3	4170778	7.34E-02	1.22E-02	9.00E-03
126	609583.2	4170778	7.24E-02	1.20E-02	8.88E-03
127	609593	4170778	7.09E-02	1.18E-02	8.70E-03
128	609299	4170783	1.31E-02	2.17E-03	1.60E-03
129	609290.5	4170779	1.25E-02	2.08E-03	1.54E-03
130	609282	4170776	1.20E-02	2.00E-03	1.47E-03
131	609273.4	4170772	1.15E-02	1.91E-03	1.41E-03
132	609261.5	4170760	1.14E-02	1.89E-03	1.39E-03
133	609258.1	4170751	1.17E-02	1.94E-03	1.43E-03
134	609307.5	4170787	1.37E-02	2.27E-03	1.67E-03
135	609317.4	4170787	1.51E-02	2.50E-03	1.85E-03
136	609327.2	4170787	1.67E-02	2.78E-03	2.05E-03
137	609366.6	4170787	2.66E-02	4.42E-03	3.27E-03
138	609376.4	4170787	2.96E-02	4.92E-03	3.63E-03
139	609386.3	4170787	3.26E-02	5.42E-03	4.00E-03
140	609396.1	4170787	3.56E-02	5.91E-03	4.37E-03
141	609406	4170787	3.85E-02	6.39E-03	4.72E-03
142	609415.8	4170787	4.12E-02	6.85E-03	5.06E-03
143	609425.6	4170787	4.40E-02	7.30E-03	5.39E-03
144	609435.5	4170787	4.65E-02	7.72E-03	5.70E-03
145	609445.3	4170787	4.88E-02	8.11E-03	5.99E-03
146	609455.2	4170787	5.09E-02	8.46E-03	6.24E-03
147	609465	4170787	5.28E-02	8.77E-03	6.48E-03
148	609474.9	4170787	5.46E-02	9.06E-03	6.69E-03
149	609484.7	4170787	5.61E-02	9.32E-03	6.88E-03
150	609494.5	4170787	5.75E-02	9.55E-03	7.05E-03

151	609504.4	4170787	5.87E-02	9.75E-03	7.19E-03
152	609514.2	4170787	5.97E-02	9.91E-03	7.32E-03
153	609524.1	4170787	6.05E-02	1.00E-02	7.42E-03
154	609533.9	4170788	6.11E-02	1.02E-02	7.50E-03
155	609543.8	4170788	6.16E-02	1.02E-02	7.55E-03
156	609553.6	4170788	6.18E-02	1.03E-02	7.58E-03
157	609563.4	4170788	6.18E-02	1.03E-02	7.58E-03
158	609573.3	4170788	6.16E-02	1.02E-02	7.55E-03
159	609583.1	4170788	6.10E-02	1.01E-02	7.48E-03
160	609593	4170788	5.99E-02	9.96E-03	7.35E-03
161	609299.2	4170793	1.19E-02	1.98E-03	1.46E-03
162	609290.9	4170789	1.15E-02	1.91E-03	1.41E-03
163	609274.3	4170782	1.07E-02	1.77E-03	1.31E-03
164	609254.4	4170767	1.02E-02	1.69E-03	1.25E-03
165	609307.5	4170797	1.23E-02	2.05E-03	1.51E-03
166	609317.3	4170797	1.35E-02	2.24E-03	1.65E-03
167	609327.2	4170797	1.48E-02	2.46E-03	1.81E-03
168	609356.7	4170797	2.02E-02	3.36E-03	2.48E-03
169	609366.5	4170797	2.24E-02	3.72E-03	2.75E-03
170	609376.4	4170797	2.47E-02	4.11E-03	3.03E-03
171	609386.2	4170797	2.71E-02	4.50E-03	3.32E-03
172	609396.1	4170797	2.95E-02	4.90E-03	3.62E-03
173	609405.9	4170797	3.19E-02	5.29E-03	3.91E-03
174	609415.8	4170797	3.41E-02	5.67E-03	4.19E-03
175	609425.6	4170797	3.64E-02	6.04E-03	4.46E-03
176	609435.4	4170797	3.85E-02	6.40E-03	4.72E-03
177	609445.3	4170797	4.05E-02	6.73E-03	4.97E-03
178	609455.1	4170797	4.23E-02	7.03E-03	5.19E-03
179	609465	4170797	4.40E-02	7.31E-03	5.40E-03
180	609474.8	4170797	4.55E-02	7.56E-03	5.58E-03
181	609484.7	4170797	4.69E-02	7.80E-03	5.75E-03
182	609494.5	4170797	4.82E-02	8.00E-03	5.91E-03
183	609504.3	4170797	4.93E-02	8.18E-03	6.04E-03
184	609514.2	4170797	5.02E-02	8.34E-03	6.16E-03
185	609524	4170797	5.10E-02	8.47E-03	6.25E-03
186	609533.9	4170798	5.16E-02	8.58E-03	6.33E-03
187	609543.7	4170798	5.21E-02	8.66E-03	6.39E-03
188	609553.6	4170798	5.24E-02	8.71E-03	6.43E-03
189	609563.4	4170798	5.25E-02	8.73E-03	6.44E-03
190	609573.2	4170798	5.24E-02	8.71E-03	6.43E-03
191	609583.1	4170798	5.21E-02	8.65E-03	6.38E-03
192	609592.9	4170798	5.14E-02	8.53E-03	6.30E-03
193	609299.3	4170803	1.09E-02	1.80E-03	1.33E-03
194	609283.1	4170796	1.02E-02	1.70E-03	1.25E-03
195	609266.8	4170789	9.59E-03	1.59E-03	1.18E-03
196	609247.4	4170774	9.17E-03	1.52E-03	1.12E-03
197	609317.3	4170807	1.21E-02	2.01E-03	1.48E-03
198	609327.1	4170807	1.32E-02	2.19E-03	1.62E-03
199	609356.6	4170807	1.75E-02	2.90E-03	2.14E-03
200	609366.5	4170807	1.92E-02	3.19E-03	2.35E-03
201	609376.3	4170807	2.10E-02	3.50E-03	2.58E-03
202	609386.2	4170807	2.30E-02	3.81E-03	2.81E-03

203	609396	4170807	2.49E-02	4.14E-03	3.05E-03
204	609405.9	4170807	2.68E-02	4.46E-03	3.29E-03
205	609415.7	4170807	2.87E-02	4.77E-03	3.52E-03
206	609425.6	4170807	3.06E-02	5.08E-03	3.75E-03
207	609435.4	4170807	3.24E-02	5.38E-03	3.97E-03
208	609445.2	4170807	3.41E-02	5.66E-03	4.18E-03
209	609455.1	4170807	3.57E-02	5.92E-03	4.37E-03
210	609464.9	4170807	3.71E-02	6.17E-03	4.55E-03
211	609474.8	4170807	3.85E-02	6.39E-03	4.72E-03
212	609484.6	4170807	3.97E-02	6.60E-03	4.87E-03
213	609494.5	4170807	4.09E-02	6.79E-03	5.01E-03
214	609504.3	4170807	4.19E-02	6.96E-03	5.14E-03
215	609514.1	4170807	4.28E-02	7.10E-03	5.24E-03
216	609524	4170807	4.35E-02	7.23E-03	5.34E-03
217	609533.8	4170808	4.41E-02	7.33E-03	5.41E-03
218	609543.7	4170808	4.46E-02	7.41E-03	5.47E-03
219	609553.5	4170808	4.50E-02	7.47E-03	5.51E-03
220	609563.4	4170808	4.52E-02	7.50E-03	5.54E-03
221	609573.2	4170808	4.52E-02	7.50E-03	5.54E-03
222	609583	4170808	4.49E-02	7.47E-03	5.51E-03
223	609592.9	4170808	4.45E-02	7.39E-03	5.45E-03
224	609299.4	4170813	9.95E-03	1.65E-03	1.22E-03
225	609283.4	4170806	9.45E-03	1.57E-03	1.16E-03
226	609267.4	4170800	8.94E-03	1.49E-03	1.10E-03
227	609317.2	4170817	1.10E-02	1.82E-03	1.34E-03
228	609327.1	4170817	1.18E-02	1.97E-03	1.45E-03
229	609336.9	4170817	1.29E-02	2.13E-03	1.58E-03
230	609356.6	4170817	1.53E-02	2.54E-03	1.88E-03
231	609366.4	4170817	1.67E-02	2.77E-03	2.05E-03
232	609376.3	4170817	1.82E-02	3.02E-03	2.23E-03
233	609386.1	4170817	1.97E-02	3.28E-03	2.42E-03
234	609396	4170817	2.13E-02	3.54E-03	2.61E-03
235	609405.8	4170817	2.29E-02	3.81E-03	2.81E-03
236	609415.7	4170817	2.45E-02	4.07E-03	3.00E-03
237	609425.5	4170817	2.61E-02	4.33E-03	3.20E-03
238	609435.3	4170817	2.76E-02	4.58E-03	3.38E-03
239	609445.2	4170817	2.90E-02	4.82E-03	3.56E-03
240	609455	4170817	3.04E-02	5.05E-03	3.73E-03
241	609464.9	4170817	3.17E-02	5.26E-03	3.89E-03
242	609474.7	4170817	3.29E-02	5.46E-03	4.03E-03
243	609484.6	4170817	3.40E-02	5.65E-03	4.17E-03
244	609494.4	4170817	3.51E-02	5.82E-03	4.30E-03
245	609504.3	4170817	3.60E-02	5.98E-03	4.41E-03
246	609514.1	4170817	3.68E-02	6.11E-03	4.51E-03
247	609523.9	4170817	3.75E-02	6.23E-03	4.60E-03
248	609533.8	4170818	3.81E-02	6.33E-03	4.67E-03
249	609543.6	4170818	3.86E-02	6.41E-03	4.73E-03
250	609553.5	4170818	3.90E-02	6.47E-03	4.78E-03
251	609563.3	4170818	3.92E-02	6.51E-03	4.81E-03
252	609573.2	4170818	3.93E-02	6.52E-03	4.82E-03
253	609583	4170818	3.92E-02	6.51E-03	4.80E-03
254	609592.8	4170818	3.89E-02	6.46E-03	4.77E-03

255	609298.5	4170823	9.13E-03	1.52E-03	1.12E-03
256	609289.6	4170819	8.90E-03	1.48E-03	1.09E-03
257	609280.7	4170815	8.68E-03	1.44E-03	1.06E-03
258	609214.9	4170743	8.32E-03	1.38E-03	1.02E-03
259	609211.4	4170734	8.37E-03	1.39E-03	1.03E-03
260	609307.3	4170827	9.36E-03	1.55E-03	1.15E-03
261	609317.2	4170827	9.98E-03	1.66E-03	1.22E-03
262	609327	4170827	1.07E-02	1.78E-03	1.31E-03
263	609336.9	4170827	1.15E-02	1.92E-03	1.42E-03
264	609356.6	4170827	1.35E-02	2.25E-03	1.66E-03
265	609366.4	4170827	1.47E-02	2.44E-03	1.80E-03
266	609376.2	4170827	1.59E-02	2.64E-03	1.95E-03
267	609386.1	4170827	1.72E-02	2.85E-03	2.11E-03
268	609395.9	4170827	1.85E-02	3.07E-03	2.27E-03
269	609405.8	4170827	1.98E-02	3.29E-03	2.43E-03
270	609415.6	4170827	2.12E-02	3.51E-03	2.59E-03
271	609425.5	4170827	2.25E-02	3.73E-03	2.76E-03
272	609435.3	4170827	2.38E-02	3.95E-03	2.91E-03
273	609445.1	4170827	2.50E-02	4.15E-03	3.07E-03
274	609455	4170827	2.62E-02	4.35E-03	3.21E-03
275	609464.8	4170827	2.73E-02	4.54E-03	3.35E-03
276	609474.7	4170827	2.84E-02	4.72E-03	3.48E-03
277	609484.5	4170827	2.94E-02	4.89E-03	3.61E-03
278	609494.4	4170827	3.04E-02	5.04E-03	3.72E-03
279	609504.2	4170827	3.12E-02	5.18E-03	3.83E-03
280	609514.1	4170827	3.20E-02	5.31E-03	3.92E-03
281	609523.9	4170827	3.26E-02	5.42E-03	4.00E-03
282	609533.7	4170828	3.32E-02	5.51E-03	4.07E-03
283	609543.6	4170828	3.37E-02	5.59E-03	4.13E-03
284	609553.4	4170828	3.41E-02	5.66E-03	4.17E-03
285	609563.3	4170828	3.43E-02	5.70E-03	4.21E-03
286	609573.1	4170828	3.44E-02	5.72E-03	4.22E-03
287	609583	4170828	3.44E-02	5.72E-03	4.22E-03
288	609592.8	4170828	3.42E-02	5.69E-03	4.20E-03
289	609298.6	4170833	8.43E-03	1.40E-03	1.03E-03
290	609289.9	4170829	8.25E-03	1.37E-03	1.01E-03
291	609246.5	4170811	7.31E-03	1.21E-03	8.96E-04
292	609237.9	4170807	7.09E-03	1.18E-03	8.70E-04
293	609225.7	4170795	7.04E-03	1.17E-03	8.64E-04
294	609222.2	4170786	7.20E-03	1.20E-03	8.83E-04
295	609218.7	4170777	7.34E-03	1.22E-03	9.00E-04
296	609208.3	4170751	7.64E-03	1.27E-03	9.36E-04
297	609204.8	4170742	7.69E-03	1.28E-03	9.42E-04
298	609201.3	4170733	7.72E-03	1.28E-03	9.46E-04
299	609307.3	4170837	8.62E-03	1.43E-03	1.06E-03
300	609317.1	4170837	9.15E-03	1.52E-03	1.12E-03
301	609327	4170837	9.75E-03	1.62E-03	1.20E-03
302	609356.5	4170837	1.21E-02	2.01E-03	1.48E-03
303	609366.4	4170837	1.30E-02	2.16E-03	1.60E-03
304	609376.2	4170837	1.40E-02	2.33E-03	1.72E-03
305	609386	4170837	1.51E-02	2.51E-03	1.85E-03
306	609395.9	4170837	1.62E-02	2.69E-03	1.99E-03

307	609405.7	4170837	1.73E-02	2.88E-03	2.12E-03
308	609415.6	4170837	1.85E-02	3.07E-03	2.26E-03
309	609425.4	4170837	1.96E-02	3.25E-03	2.40E-03
310	609435.3	4170837	2.07E-02	3.44E-03	2.54E-03
311	609445.1	4170837	2.18E-02	3.61E-03	2.67E-03
312	609454.9	4170837	2.28E-02	3.79E-03	2.80E-03
313	609464.8	4170837	2.38E-02	3.95E-03	2.92E-03
314	609474.6	4170837	2.47E-02	4.11E-03	3.03E-03
315	609484.5	4170837	2.56E-02	4.26E-03	3.14E-03
316	609494.3	4170837	2.65E-02	4.40E-03	3.25E-03
317	609504.2	4170837	2.73E-02	4.53E-03	3.34E-03
318	609514	4170837	2.80E-02	4.64E-03	3.43E-03
319	609523.8	4170837	2.86E-02	4.75E-03	3.51E-03
320	609533.7	4170838	2.91E-02	4.84E-03	3.57E-03
321	609543.5	4170838	2.96E-02	4.92E-03	3.63E-03
322	609553.4	4170838	3.00E-02	4.98E-03	3.67E-03
323	609563.2	4170838	3.02E-02	5.02E-03	3.71E-03
324	609573.1	4170838	3.04E-02	5.05E-03	3.73E-03
325	609582.9	4170838	3.05E-02	5.06E-03	3.73E-03
326	609592.8	4170838	3.04E-02	5.04E-03	3.72E-03
327	609264.6	4170828	7.23E-03	1.20E-03	8.86E-04
328	609256.1	4170825	7.07E-03	1.17E-03	8.67E-04
329	609247.6	4170821	6.91E-03	1.15E-03	8.47E-04
330	609239.1	4170818	6.73E-03	1.12E-03	8.25E-04
331	609230.5	4170814	6.55E-03	1.09E-03	8.03E-04
332	609218.6	4170802	6.51E-03	1.08E-03	7.98E-04
333	609215.2	4170793	6.65E-03	1.10E-03	8.15E-04
334	609211.8	4170785	6.77E-03	1.13E-03	8.30E-04
335	609201.5	4170759	7.04E-03	1.17E-03	8.64E-04
336	609198.1	4170750	7.09E-03	1.18E-03	8.70E-04
337	609194.7	4170742	7.13E-03	1.18E-03	8.74E-04
338	609191.2	4170733	7.15E-03	1.19E-03	8.76E-04
339	609356.5	4170847	1.09E-02	1.81E-03	1.33E-03
340	609366.3	4170847	1.17E-02	1.94E-03	1.43E-03
341	609376.2	4170847	1.25E-02	2.08E-03	1.53E-03
342	609386	4170847	1.34E-02	2.23E-03	1.64E-03
343	609395.8	4170847	1.43E-02	2.38E-03	1.76E-03
344	609405.7	4170847	1.53E-02	2.54E-03	1.87E-03
345	609415.5	4170847	1.62E-02	2.70E-03	1.99E-03
346	609425.4	4170847	1.72E-02	2.86E-03	2.11E-03
347	609454.9	4170847	2.00E-02	3.32E-03	2.45E-03
348	609464.7	4170847	2.09E-02	3.47E-03	2.56E-03
349	609474.6	4170847	2.17E-02	3.61E-03	2.66E-03
350	609484.4	4170847	2.25E-02	3.74E-03	2.76E-03
351	609494.3	4170847	2.33E-02	3.87E-03	2.86E-03
352	609504.1	4170847	2.40E-02	3.98E-03	2.94E-03
353	609533.6	4170848	2.57E-02	4.28E-03	3.16E-03
354	609543.5	4170848	2.62E-02	4.35E-03	3.21E-03
355	609553.3	4170848	2.66E-02	4.41E-03	3.26E-03
356	609563.2	4170848	2.68E-02	4.46E-03	3.29E-03
357	609573	4170848	2.70E-02	4.49E-03	3.31E-03
358	609582.9	4170848	2.71E-02	4.50E-03	3.32E-03

359	609592.7	4170848	2.71E-02	4.50E-03	3.32E-03
360	609273.6	4170842	6.91E-03	1.15E-03	8.47E-04
361	609265.2	4170839	6.79E-03	1.13E-03	8.32E-04
362	609256.8	4170835	6.66E-03	1.11E-03	8.16E-04
363	609248.4	4170832	6.52E-03	1.08E-03	8.00E-04
364	609240.1	4170828	6.38E-03	1.06E-03	7.82E-04
365	609231.7	4170825	6.23E-03	1.04E-03	7.64E-04
366	609223.3	4170821	6.07E-03	1.01E-03	7.44E-04
367	609211.5	4170809	6.04E-03	1.00E-03	7.40E-04
368	609208.1	4170800	6.16E-03	1.02E-03	7.56E-04
369	609204.8	4170792	6.28E-03	1.04E-03	7.70E-04
370	609194.7	4170767	6.52E-03	1.08E-03	8.00E-04
371	609187.9	4170750	6.61E-03	1.10E-03	8.10E-04
372	609184.6	4170741	6.63E-03	1.10E-03	8.13E-04
373	609181.2	4170733	6.64E-03	1.10E-03	8.14E-04
374	609307.2	4170857	7.38E-03	1.23E-03	9.04E-04
375	609317	4170857	7.77E-03	1.29E-03	9.52E-04
376	609326.9	4170857	8.20E-03	1.36E-03	1.01E-03
377	609336.7	4170857	8.69E-03	1.44E-03	1.07E-03
378	609356.4	4170857	9.84E-03	1.64E-03	1.21E-03
379	609366.3	4170857	1.05E-02	1.75E-03	1.29E-03
380	609376.1	4170857	1.12E-02	1.87E-03	1.38E-03
381	609386	4170857	1.20E-02	1.99E-03	1.47E-03
382	609395.8	4170857	1.28E-02	2.12E-03	1.57E-03
383	609405.6	4170857	1.36E-02	2.26E-03	1.67E-03
384	609415.5	4170857	1.44E-02	2.39E-03	1.77E-03
385	609425.3	4170857	1.52E-02	2.53E-03	1.87E-03
386	609454.9	4170857	1.77E-02	2.94E-03	2.17E-03
387	609464.7	4170857	1.85E-02	3.07E-03	2.26E-03
388	609474.5	4170857	1.92E-02	3.19E-03	2.36E-03
389	609484.4	4170857	1.99E-02	3.31E-03	2.44E-03
390	609494.2	4170857	2.06E-02	3.42E-03	2.53E-03
391	609504.1	4170857	2.12E-02	3.53E-03	2.61E-03
392	609533.6	4170858	2.29E-02	3.80E-03	2.81E-03
393	609543.4	4170858	2.33E-02	3.87E-03	2.86E-03
394	609553.3	4170858	2.37E-02	3.93E-03	2.90E-03
395	609563.1	4170858	2.39E-02	3.98E-03	2.94E-03
396	609573	4170858	2.42E-02	4.01E-03	2.96E-03
397	609582.8	4170858	2.43E-02	4.03E-03	2.98E-03
398	609592.7	4170858	2.43E-02	4.03E-03	2.98E-03
399	609298.1	4170863	6.75E-03	1.12E-03	8.28E-04
400	609271	4170851	6.44E-03	1.07E-03	7.90E-04
401	609262	4170847	6.33E-03	1.05E-03	7.76E-04
402	609252.9	4170844	6.21E-03	1.03E-03	7.62E-04
403	609243.9	4170840	6.09E-03	1.01E-03	7.46E-04
404	609234.8	4170836	5.95E-03	9.89E-04	7.30E-04
405	609225.8	4170832	5.81E-03	9.65E-04	7.12E-04
406	609216.8	4170828	5.66E-03	9.40E-04	6.94E-04
407	609204.1	4170815	5.63E-03	9.35E-04	6.90E-04
408	609200.5	4170806	5.75E-03	9.55E-04	7.05E-04
409	609196.8	4170797	5.86E-03	9.73E-04	7.18E-04
410	609186	4170770	6.09E-03	1.01E-03	7.47E-04

411	609182.3	4170761	6.13E-03	1.02E-03	7.52E-04
412	609178.7	4170751	6.17E-03	1.02E-03	7.56E-04
413	609175.1	4170742	6.18E-03	1.03E-03	7.58E-04
414	609171.4	4170733	6.19E-03	1.03E-03	7.59E-04
415	609307.2	4170867	6.86E-03	1.14E-03	8.41E-04
416	609317	4170867	7.19E-03	1.19E-03	8.82E-04
417	609326.8	4170867	7.57E-03	1.26E-03	9.28E-04
418	609336.7	4170867	7.99E-03	1.33E-03	9.79E-04
419	609356.4	4170867	8.97E-03	1.49E-03	1.10E-03
420	609366.2	4170867	9.53E-03	1.58E-03	1.17E-03
421	609376.1	4170867	1.01E-02	1.69E-03	1.24E-03
422	609385.9	4170867	1.08E-02	1.79E-03	1.32E-03
423	609395.7	4170867	1.15E-02	1.90E-03	1.41E-03
424	609405.6	4170867	1.22E-02	2.02E-03	1.49E-03
425	609415.4	4170867	1.29E-02	2.14E-03	1.58E-03
426	609425.3	4170867	1.36E-02	2.26E-03	1.67E-03
427	609454.8	4170867	1.58E-02	2.62E-03	1.93E-03
428	609464.7	4170867	1.64E-02	2.73E-03	2.02E-03
429	609474.5	4170867	1.71E-02	2.84E-03	2.10E-03
430	609484.3	4170867	1.78E-02	2.95E-03	2.18E-03
431	609494.2	4170867	1.84E-02	3.05E-03	2.25E-03
432	609504	4170867	1.89E-02	3.15E-03	2.32E-03
433	609533.6	4170868	2.05E-02	3.40E-03	2.51E-03
434	609543.4	4170868	2.09E-02	3.46E-03	2.56E-03
435	609553.2	4170868	2.12E-02	3.52E-03	2.60E-03
436	609563.1	4170868	2.15E-02	3.57E-03	2.63E-03
437	609572.9	4170868	2.17E-02	3.60E-03	2.66E-03
438	609582.8	4170868	2.18E-02	3.63E-03	2.68E-03
439	609592.6	4170868	2.19E-02	3.64E-03	2.68E-03
440	609298.2	4170873	6.30E-03	1.05E-03	7.73E-04
441	609289.4	4170869	6.22E-03	1.03E-03	7.63E-04
442	609262.7	4170858	5.97E-03	9.91E-04	7.31E-04
443	609253.8	4170854	5.87E-03	9.75E-04	7.19E-04
444	609245	4170850	5.76E-03	9.57E-04	7.07E-04
445	609236.1	4170846	5.65E-03	9.39E-04	6.93E-04
446	609227.2	4170843	5.54E-03	9.20E-04	6.79E-04
447	609218.3	4170839	5.41E-03	8.99E-04	6.64E-04
448	609209.5	4170835	5.28E-03	8.78E-04	6.48E-04
449	609197	4170822	5.26E-03	8.74E-04	6.45E-04
450	609193.5	4170814	5.36E-03	8.91E-04	6.58E-04
451	609189.9	4170805	5.46E-03	9.07E-04	6.70E-04
452	609179.2	4170778	5.68E-03	9.43E-04	6.96E-04
453	609175.6	4170769	5.72E-03	9.50E-04	7.02E-04
454	609172.1	4170760	5.76E-03	9.56E-04	7.06E-04
455	609168.5	4170751	5.78E-03	9.59E-04	7.08E-04
456	609164.9	4170742	5.78E-03	9.61E-04	7.09E-04
457	609161.4	4170733	5.78E-03	9.60E-04	7.09E-04
458	609307.1	4170877	6.39E-03	1.06E-03	7.83E-04
459	609317	4170877	6.68E-03	1.11E-03	8.19E-04
460	609326.8	4170877	7.01E-03	1.16E-03	8.59E-04
461	609336.6	4170877	7.37E-03	1.22E-03	9.04E-04
462	609356.3	4170877	8.21E-03	1.36E-03	1.01E-03

463	609366.2	4170877	8.69E-03	1.44E-03	1.07E-03
464	609376	4170877	9.21E-03	1.53E-03	1.13E-03
465	609385.9	4170877	9.77E-03	1.62E-03	1.20E-03
466	609395.7	4170877	1.04E-02	1.72E-03	1.27E-03
467	609405.5	4170877	1.10E-02	1.82E-03	1.34E-03
468	609415.4	4170877	1.16E-02	1.92E-03	1.42E-03
469	609425.2	4170877	1.22E-02	2.03E-03	1.50E-03
470	609454.8	4170877	1.41E-02	2.34E-03	1.73E-03
471	609464.6	4170877	1.47E-02	2.45E-03	1.81E-03
472	609474.5	4170877	1.53E-02	2.55E-03	1.88E-03
473	609484.3	4170877	1.59E-02	2.64E-03	1.95E-03
474	609494.1	4170877	1.65E-02	2.73E-03	2.02E-03
475	609504	4170877	1.70E-02	2.82E-03	2.08E-03
476	609533.5	4170878	1.84E-02	3.05E-03	2.25E-03
477	609543.4	4170878	1.87E-02	3.11E-03	2.30E-03
478	609553.2	4170878	1.91E-02	3.17E-03	2.34E-03
479	609563	4170878	1.94E-02	3.22E-03	2.37E-03
480	609572.9	4170878	1.96E-02	3.25E-03	2.40E-03
481	609582.7	4170878	1.97E-02	3.28E-03	2.42E-03
482	609592.6	4170878	1.98E-02	3.29E-03	2.43E-03
483	609298.3	4170883	5.90E-03	9.80E-04	7.23E-04
484	609289.6	4170879	5.83E-03	9.68E-04	7.15E-04
485	609280.8	4170875	5.76E-03	9.57E-04	7.07E-04
486	609254.6	4170864	5.55E-03	9.21E-04	6.80E-04
487	609245.9	4170861	5.46E-03	9.07E-04	6.69E-04
488	609237.1	4170857	5.37E-03	8.92E-04	6.58E-04
489	609228.4	4170853	5.27E-03	8.76E-04	6.46E-04
490	609219.7	4170850	5.17E-03	8.59E-04	6.34E-04
491	609210.9	4170846	5.06E-03	8.41E-04	6.21E-04
492	609202.2	4170842	4.95E-03	8.22E-04	6.07E-04
493	609189.9	4170830	4.93E-03	8.19E-04	6.04E-04
494	609186.4	4170821	5.02E-03	8.34E-04	6.16E-04
495	609182.9	4170812	5.11E-03	8.49E-04	6.26E-04
496	609172.4	4170785	5.31E-03	8.82E-04	6.51E-04
497	609168.9	4170777	5.36E-03	8.90E-04	6.57E-04
498	609165.4	4170768	5.39E-03	8.96E-04	6.61E-04
499	609161.9	4170759	5.41E-03	8.99E-04	6.64E-04
500	609158.3	4170750	5.42E-03	9.01E-04	6.65E-04
501	609154.8	4170741	5.42E-03	9.01E-04	6.65E-04
502	609151.3	4170733	5.42E-03	9.00E-04	6.64E-04
503	609307.1	4170887	5.97E-03	9.91E-04	7.32E-04
504	609316.9	4170887	6.22E-03	1.03E-03	7.63E-04
505	609326.8	4170887	6.51E-03	1.08E-03	7.98E-04
506	609336.6	4170887	6.82E-03	1.13E-03	8.36E-04
507	609356.3	4170887	7.55E-03	1.25E-03	9.26E-04
508	609366.1	4170887	7.96E-03	1.32E-03	9.76E-04
509	609376	4170887	8.41E-03	1.40E-03	1.03E-03
510	609385.8	4170887	8.89E-03	1.48E-03	1.09E-03
511	609395.7	4170887	9.40E-03	1.56E-03	1.15E-03
512	609405.5	4170887	9.93E-03	1.65E-03	1.22E-03
513	609415.3	4170887	1.05E-02	1.74E-03	1.28E-03
514	609425.2	4170887	1.10E-02	1.83E-03	1.35E-03

515	609454.7	4170887	1.27E-02	2.11E-03	1.56E-03
516	609464.6	4170887	1.33E-02	2.20E-03	1.63E-03
517	609474.4	4170887	1.38E-02	2.29E-03	1.69E-03
518	609484.2	4170887	1.43E-02	2.38E-03	1.76E-03
519	609494.1	4170887	1.48E-02	2.46E-03	1.82E-03
520	609503.9	4170887	1.53E-02	2.54E-03	1.88E-03
521	609533.5	4170888	1.66E-02	2.75E-03	2.03E-03
522	609543.3	4170888	1.69E-02	2.81E-03	2.08E-03
523	609553.2	4170888	1.73E-02	2.87E-03	2.12E-03
524	609563	4170888	1.75E-02	2.91E-03	2.15E-03
525	609572.8	4170888	1.77E-02	2.95E-03	2.17E-03
526	609582.7	4170888	1.79E-02	2.97E-03	2.19E-03
527	609592.5	4170888	1.80E-02	2.99E-03	2.21E-03
528	609298.4	4170893	5.53E-03	9.18E-04	6.78E-04
529	609289.8	4170889	5.47E-03	9.09E-04	6.71E-04
530	609281.2	4170886	5.42E-03	9.00E-04	6.65E-04
531	609272.5	4170882	5.37E-03	8.91E-04	6.58E-04
532	609246.7	4170871	5.18E-03	8.60E-04	6.35E-04
533	609238	4170867	5.10E-03	8.47E-04	6.25E-04
534	609229.4	4170864	5.02E-03	8.34E-04	6.16E-04
535	609220.8	4170860	4.94E-03	8.20E-04	6.05E-04
536	609212.2	4170856	4.85E-03	8.05E-04	5.94E-04
537	609203.5	4170853	4.75E-03	7.90E-04	5.83E-04
538	609194.9	4170849	4.65E-03	7.73E-04	5.71E-04
539	609182.8	4170837	4.64E-03	7.70E-04	5.68E-04
540	609179.4	4170828	4.72E-03	7.84E-04	5.79E-04
541	609175.9	4170819	4.80E-03	7.97E-04	5.88E-04
542	609162.1	4170784	5.03E-03	8.36E-04	6.17E-04
543	609158.6	4170776	5.07E-03	8.42E-04	6.21E-04
544	609155.1	4170767	5.09E-03	8.45E-04	6.24E-04
545	609151.7	4170758	5.10E-03	8.47E-04	6.25E-04
546	609148.2	4170750	5.10E-03	8.48E-04	6.26E-04
547	609144.7	4170741	5.10E-03	8.46E-04	6.25E-04
548	609141.3	4170732	5.09E-03	8.45E-04	6.24E-04
549	609307	4170897	5.58E-03	9.28E-04	6.85E-04
550	609316.9	4170897	5.81E-03	9.65E-04	7.12E-04
551	609326.7	4170897	6.06E-03	1.01E-03	7.43E-04
552	609336.6	4170897	6.33E-03	1.05E-03	7.77E-04
553	609356.2	4170897	6.97E-03	1.16E-03	8.54E-04
554	609366.1	4170897	7.33E-03	1.22E-03	8.99E-04
555	609375.9	4170897	7.72E-03	1.28E-03	9.46E-04
556	609385.8	4170897	8.14E-03	1.35E-03	9.97E-04
557	609395.6	4170897	8.58E-03	1.43E-03	1.05E-03
558	609405.5	4170897	9.04E-03	1.50E-03	1.11E-03
559	609415.3	4170897	9.52E-03	1.58E-03	1.17E-03
560	609425.1	4170897	1.00E-02	1.66E-03	1.23E-03
561	609454.7	4170897	1.15E-02	1.91E-03	1.41E-03
562	609464.5	4170897	1.20E-02	1.99E-03	1.47E-03
563	609474.4	4170897	1.25E-02	2.07E-03	1.53E-03
564	609484.2	4170897	1.30E-02	2.15E-03	1.59E-03
565	609494	4170897	1.34E-02	2.23E-03	1.64E-03
566	609503.9	4170897	1.39E-02	2.30E-03	1.70E-03

567	609533.4	4170898	1.50E-02	2.50E-03	1.84E-03
568	609543.3	4170898	1.54E-02	2.55E-03	1.88E-03
569	609553.1	4170898	1.57E-02	2.60E-03	1.92E-03
570	609563	4170898	1.59E-02	2.64E-03	1.95E-03
571	609572.8	4170898	1.61E-02	2.68E-03	1.98E-03
572	609582.6	4170898	1.63E-02	2.71E-03	2.00E-03
573	609592.5	4170898	1.64E-02	2.72E-03	2.01E-03
574	609298.5	4170903	5.19E-03	8.62E-04	6.37E-04
575	609289.9	4170899	5.15E-03	8.55E-04	6.31E-04
576	609281.4	4170896	5.10E-03	8.48E-04	6.26E-04
577	609272.9	4170892	5.06E-03	8.40E-04	6.20E-04
578	609264.4	4170888	5.02E-03	8.33E-04	6.15E-04
579	609238.8	4170878	4.85E-03	8.05E-04	5.94E-04
580	609230.3	4170874	4.78E-03	7.94E-04	5.86E-04
581	609221.8	4170870	4.71E-03	7.83E-04	5.78E-04
582	609213.2	4170867	4.64E-03	7.71E-04	5.69E-04
583	609204.7	4170863	4.56E-03	7.58E-04	5.59E-04
584	609196.2	4170860	4.48E-03	7.44E-04	5.49E-04
585	609187.7	4170856	4.39E-03	7.29E-04	5.38E-04
586	609175.7	4170844	4.37E-03	7.26E-04	5.36E-04
587	609172.3	4170835	4.45E-03	7.38E-04	5.45E-04
588	609168.9	4170827	4.51E-03	7.50E-04	5.54E-04
589	609165.5	4170818	4.58E-03	7.61E-04	5.61E-04
590	609155.2	4170792	4.74E-03	7.87E-04	5.81E-04
591	609151.8	4170784	4.77E-03	7.93E-04	5.85E-04
592	609148.3	4170775	4.80E-03	7.97E-04	5.88E-04
593	609144.9	4170766	4.81E-03	7.99E-04	5.90E-04
594	609141.5	4170758	4.82E-03	8.00E-04	5.90E-04
595	609138.1	4170749	4.81E-03	7.99E-04	5.90E-04
596	609134.7	4170741	4.80E-03	7.98E-04	5.89E-04
597	609307	4170907	5.24E-03	8.70E-04	6.42E-04
598	609316.8	4170907	5.44E-03	9.03E-04	6.67E-04
599	609326.7	4170907	5.66E-03	9.40E-04	6.94E-04
600	609336.5	4170907	5.90E-03	9.80E-04	7.23E-04
601	609366	4170907	6.77E-03	1.12E-03	8.30E-04
602	609375.9	4170907	7.11E-03	1.18E-03	8.72E-04
603	609385.7	4170907	7.48E-03	1.24E-03	9.17E-04
604	609395.6	4170907	7.86E-03	1.31E-03	9.64E-04
605	609405.4	4170907	8.27E-03	1.37E-03	1.01E-03
606	609415.3	4170907	8.69E-03	1.44E-03	1.07E-03
607	609425.1	4170907	9.13E-03	1.52E-03	1.12E-03
608	609454.6	4170907	1.05E-02	1.74E-03	1.28E-03
609	609464.5	4170907	1.09E-02	1.81E-03	1.34E-03
610	609474.3	4170907	1.13E-02	1.88E-03	1.39E-03
611	609484.2	4170907	1.18E-02	1.96E-03	1.44E-03
612	609494	4170907	1.22E-02	2.03E-03	1.50E-03
613	609503.8	4170907	1.26E-02	2.09E-03	1.54E-03
614	609533.4	4170908	1.37E-02	2.27E-03	1.68E-03
615	609543.2	4170908	1.40E-02	2.32E-03	1.72E-03
616	609553.1	4170908	1.43E-02	2.37E-03	1.75E-03
617	609562.9	4170908	1.45E-02	2.41E-03	1.78E-03
618	609572.7	4170908	1.47E-02	2.45E-03	1.81E-03

619	609582.6	4170908	1.49E-02	2.47E-03	1.83E-03
620	609592.4	4170908	1.50E-02	2.49E-03	1.84E-03
621	609297.9	4170913	4.88E-03	8.11E-04	5.99E-04
622	609288.9	4170909	4.84E-03	8.04E-04	5.94E-04
623	609279.9	4170905	4.80E-03	7.98E-04	5.89E-04
624	609270.9	4170901	4.77E-03	7.92E-04	5.84E-04
625	609262	4170897	4.73E-03	7.85E-04	5.80E-04
626	609235	4170886	4.58E-03	7.61E-04	5.62E-04
627	609226	4170882	4.52E-03	7.51E-04	5.55E-04
628	609217	4170878	4.46E-03	7.41E-04	5.47E-04
629	609208	4170875	4.39E-03	7.29E-04	5.38E-04
630	609199	4170871	4.32E-03	7.17E-04	5.29E-04
631	609190	4170867	4.24E-03	7.04E-04	5.19E-04
632	609181	4170863	4.15E-03	6.89E-04	5.09E-04
633	609168.4	4170850	4.14E-03	6.87E-04	5.07E-04
634	609164.8	4170841	4.21E-03	6.99E-04	5.16E-04
635	609161.2	4170832	4.27E-03	7.10E-04	5.24E-04
636	609146.7	4170796	4.49E-03	7.45E-04	5.50E-04
637	609143.1	4170787	4.52E-03	7.51E-04	5.54E-04
638	609139.5	4170778	4.54E-03	7.55E-04	5.57E-04
639	609135.9	4170769	4.55E-03	7.57E-04	5.58E-04
640	609132.3	4170760	4.56E-03	7.57E-04	5.59E-04
641	609128.7	4170750	4.55E-03	7.56E-04	5.58E-04
642	609306.9	4170917	4.92E-03	8.17E-04	6.03E-04
643	609316.8	4170917	5.10E-03	8.47E-04	6.25E-04
644	609326.6	4170917	5.29E-03	8.79E-04	6.49E-04
645	609336.5	4170917	5.51E-03	9.15E-04	6.75E-04
646	609366	4170917	6.28E-03	1.04E-03	7.70E-04
647	609375.8	4170917	6.58E-03	1.09E-03	8.06E-04
648	609385.7	4170917	6.90E-03	1.15E-03	8.46E-04
649	609395.5	4170917	7.24E-03	1.20E-03	8.88E-04
650	609405.4	4170917	7.60E-03	1.26E-03	9.32E-04
651	609415.2	4170917	7.97E-03	1.32E-03	9.77E-04
652	609425.1	4170917	8.36E-03	1.39E-03	1.03E-03
653	609454.6	4170917	9.56E-03	1.59E-03	1.17E-03
654	609464.4	4170917	9.96E-03	1.65E-03	1.22E-03
655	609474.3	4170917	1.04E-02	1.72E-03	1.27E-03
656	609484.1	4170917	1.07E-02	1.79E-03	1.32E-03
657	609494	4170917	1.11E-02	1.85E-03	1.36E-03
658	609503.8	4170917	1.15E-02	1.91E-03	1.41E-03
659	609533.3	4170918	1.25E-02	2.08E-03	1.53E-03
660	609543.2	4170918	1.28E-02	2.12E-03	1.57E-03
661	609553	4170918	1.31E-02	2.17E-03	1.60E-03
662	609562.9	4170918	1.33E-02	2.21E-03	1.63E-03
663	609572.7	4170918	1.35E-02	2.24E-03	1.65E-03
664	609582.5	4170918	1.36E-02	2.27E-03	1.67E-03
665	609592.4	4170918	1.38E-02	2.29E-03	1.69E-03
666	609298	4170923	4.60E-03	7.64E-04	5.64E-04
667	609289.1	4170919	4.57E-03	7.59E-04	5.60E-04
668	609280.3	4170915	4.54E-03	7.54E-04	5.56E-04
669	609271.4	4170911	4.50E-03	7.48E-04	5.52E-04
670	609262.5	4170908	4.47E-03	7.43E-04	5.48E-04

671	609253.6	4170904	4.44E-03	7.38E-04	5.44E-04
672	609227	4170893	4.32E-03	7.17E-04	5.29E-04
673	609218.1	4170889	4.26E-03	7.08E-04	5.23E-04
674	609209.2	4170885	4.21E-03	6.99E-04	5.16E-04
675	609200.4	4170881	4.15E-03	6.89E-04	5.08E-04
676	609191.5	4170878	4.08E-03	6.77E-04	5.00E-04
677	609182.6	4170874	4.01E-03	6.65E-04	4.91E-04
678	609154.2	4170840	4.04E-03	6.71E-04	4.96E-04
679	609150.6	4170831	4.10E-03	6.81E-04	5.02E-04
680	609139.9	4170804	4.24E-03	7.04E-04	5.20E-04
681	609136.3	4170795	4.27E-03	7.10E-04	5.24E-04
682	609132.8	4170786	4.30E-03	7.14E-04	5.27E-04
683	609129.2	4170777	4.32E-03	7.17E-04	5.29E-04
684	609125.6	4170768	4.32E-03	7.18E-04	5.30E-04
685	609122.1	4170759	4.32E-03	7.17E-04	5.30E-04
686	609111.4	4170732	4.28E-03	7.11E-04	5.25E-04
687	609306.9	4170927	4.63E-03	7.69E-04	5.68E-04
688	609316.7	4170927	4.79E-03	7.96E-04	5.87E-04
689	609326.6	4170927	4.96E-03	8.25E-04	6.09E-04
690	609336.4	4170927	5.15E-03	8.56E-04	6.32E-04
691	609346.3	4170927	5.36E-03	8.91E-04	6.57E-04
692	609375.8	4170927	6.10E-03	1.01E-03	7.48E-04
693	609385.6	4170927	6.39E-03	1.06E-03	7.83E-04
694	609395.5	4170927	6.69E-03	1.11E-03	8.20E-04
695	609405.3	4170927	7.01E-03	1.16E-03	8.60E-04
696	609415.2	4170927	7.34E-03	1.22E-03	9.00E-04
697	609425	4170927	7.69E-03	1.28E-03	9.43E-04
698	609454.5	4170927	8.77E-03	1.46E-03	1.08E-03
699	609464.4	4170927	9.13E-03	1.52E-03	1.12E-03
700	609474.2	4170927	9.50E-03	1.58E-03	1.16E-03
701	609484.1	4170927	9.85E-03	1.64E-03	1.21E-03
702	609493.9	4170927	1.02E-02	1.69E-03	1.25E-03
703	609503.8	4170927	1.05E-02	1.75E-03	1.29E-03
704	609533.3	4170928	1.15E-02	1.90E-03	1.41E-03
705	609543.1	4170928	1.17E-02	1.95E-03	1.44E-03
706	609553	4170928	1.20E-02	1.99E-03	1.47E-03
707	609562.8	4170928	1.22E-02	2.03E-03	1.50E-03
708	609572.7	4170928	1.24E-02	2.06E-03	1.52E-03
709	609582.5	4170928	1.26E-02	2.08E-03	1.54E-03
710	609592.3	4170928	1.27E-02	2.11E-03	1.55E-03
711	609298.1	4170933	4.34E-03	7.20E-04	5.32E-04
712	609289.3	4170929	4.31E-03	7.16E-04	5.29E-04
713	609280.5	4170925	4.29E-03	7.12E-04	5.26E-04
714	609271.7	4170922	4.26E-03	7.08E-04	5.23E-04
715	609263	4170918	4.24E-03	7.04E-04	5.20E-04
716	609254.2	4170914	4.21E-03	7.00E-04	5.17E-04
717	609245.4	4170911	4.19E-03	6.95E-04	5.13E-04
718	609219.1	4170899	4.08E-03	6.77E-04	5.00E-04
719	609210.3	4170896	4.03E-03	6.70E-04	4.94E-04
720	609201.6	4170892	3.98E-03	6.61E-04	4.88E-04
721	609192.8	4170888	3.92E-03	6.52E-04	4.81E-04
722	609126	4170794	4.08E-03	6.77E-04	5.00E-04

723	609122.5	4170785	4.09E-03	6.80E-04	5.02E-04
724	609119	4170776	4.10E-03	6.82E-04	5.03E-04
725	609104.9	4170741	4.07E-03	6.77E-04	4.99E-04
726	609101.3	4170732	4.06E-03	6.74E-04	4.98E-04
727	609306.8	4170937	4.36E-03	7.25E-04	5.35E-04
728	609316.7	4170937	4.51E-03	7.49E-04	5.53E-04
729	609326.5	4170937	4.66E-03	7.75E-04	5.72E-04
730	609336.4	4170937	4.83E-03	8.03E-04	5.93E-04
731	609346.2	4170937	5.02E-03	8.34E-04	6.15E-04
732	609356.1	4170937	5.22E-03	8.68E-04	6.40E-04
733	609425	4170937	7.10E-03	1.18E-03	8.70E-04
734	609484	4170937	9.06E-03	1.50E-03	1.11E-03
735	609493.9	4170937	9.38E-03	1.56E-03	1.15E-03
736	609503.7	4170937	9.69E-03	1.61E-03	1.19E-03
737	609533.2	4170938	1.05E-02	1.75E-03	1.29E-03
738	609543.1	4170938	1.08E-02	1.79E-03	1.32E-03
739	609552.9	4170938	1.10E-02	1.83E-03	1.35E-03
740	609562.8	4170938	1.12E-02	1.87E-03	1.38E-03
741	609572.6	4170938	1.14E-02	1.90E-03	1.40E-03
742	609582.5	4170938	1.16E-02	1.92E-03	1.42E-03
743	609592.3	4170938	1.17E-02	1.94E-03	1.43E-03
744	609298.1	4170943	4.10E-03	6.80E-04	5.02E-04
745	609289.4	4170939	4.08E-03	6.77E-04	5.00E-04
746	609280.8	4170935	4.06E-03	6.74E-04	4.98E-04
747	609272.1	4170932	4.04E-03	6.71E-04	4.95E-04
748	609263.4	4170928	4.02E-03	6.68E-04	4.93E-04
749	609254.7	4170924	4.00E-03	6.65E-04	4.91E-04
750	609246	4170921	3.98E-03	6.61E-04	4.88E-04
751	609237.4	4170917	3.96E-03	6.57E-04	4.85E-04
752	609202.6	4170902	3.82E-03	6.34E-04	4.68E-04
753	609147.1	4170872	3.53E-03	5.87E-04	4.33E-04
754	609115.7	4170793	3.89E-03	6.46E-04	4.77E-04
755	609112.2	4170784	3.90E-03	6.48E-04	4.79E-04
756	609101.8	4170758	3.90E-03	6.47E-04	4.78E-04
757	609098.3	4170749	3.88E-03	6.45E-04	4.76E-04
758	609094.8	4170740	3.87E-03	6.43E-04	4.74E-04
759	609091.3	4170731	3.85E-03	6.40E-04	4.73E-04
760	609306.8	4170947	4.12E-03	6.84E-04	5.05E-04
761	609316.6	4170947	4.25E-03	7.06E-04	5.21E-04
762	609326.5	4170947	4.39E-03	7.29E-04	5.38E-04
763	609336.3	4170947	4.54E-03	7.55E-04	5.57E-04
764	609346.2	4170947	4.71E-03	7.83E-04	5.78E-04
765	609356	4170947	4.89E-03	8.13E-04	6.00E-04
766	609365.9	4170947	5.09E-03	8.46E-04	6.24E-04
767	609592.3	4170948	1.08E-02	1.80E-03	1.33E-03
768	609298.2	4170953	3.88E-03	6.44E-04	4.75E-04
769	609289.6	4170949	3.86E-03	6.41E-04	4.73E-04
770	609281	4170946	3.85E-03	6.39E-04	4.72E-04
771	609272.4	4170942	3.83E-03	6.37E-04	4.70E-04
772	609263.8	4170938	3.82E-03	6.34E-04	4.68E-04
773	609255.2	4170935	3.81E-03	6.32E-04	4.67E-04
774	609246.6	4170931	3.79E-03	6.29E-04	4.65E-04

775	609238	4170927	3.77E-03	6.27E-04	4.62E-04
776	609229.4	4170924	3.75E-03	6.23E-04	4.60E-04
777	609220.8	4170920	3.73E-03	6.19E-04	4.57E-04
778	609169.2	4170898	3.49E-03	5.79E-04	4.27E-04
779	609160.6	4170895	3.43E-03	5.70E-04	4.21E-04
780	609152	4170891	3.37E-03	5.61E-04	4.14E-04
781	609139.9	4170879	3.37E-03	5.59E-04	4.13E-04
782	609136.5	4170870	3.41E-03	5.67E-04	4.18E-04
783	609133	4170861	3.46E-03	5.75E-04	4.24E-04
784	609129.6	4170853	3.50E-03	5.82E-04	4.30E-04
785	609095.1	4170766	3.72E-03	6.18E-04	4.56E-04
786	609091.6	4170757	3.71E-03	6.16E-04	4.55E-04
787	609088.2	4170749	3.70E-03	6.14E-04	4.53E-04
788	609084.7	4170740	3.68E-03	6.11E-04	4.51E-04
789	609081.3	4170731	3.67E-03	6.09E-04	4.50E-04
790	609306.8	4170957	3.90E-03	6.47E-04	4.78E-04
791	609316.6	4170957	4.01E-03	6.67E-04	4.92E-04
792	609326.4	4170957	4.14E-03	6.88E-04	5.08E-04
793	609336.3	4170957	4.28E-03	7.11E-04	5.25E-04
794	609346.1	4170957	4.43E-03	7.36E-04	5.43E-04
795	609356	4170957	4.59E-03	7.63E-04	5.63E-04
796	609365.8	4170957	4.77E-03	7.93E-04	5.85E-04
797	609375.7	4170957	4.96E-03	8.25E-04	6.09E-04
798	609385.5	4170957	5.17E-03	8.59E-04	6.34E-04
799	609395.3	4170957	5.39E-03	8.95E-04	6.61E-04
800	609405.2	4170957	5.62E-03	9.34E-04	6.89E-04
801	609415	4170957	5.86E-03	9.74E-04	7.19E-04
802	609424.9	4170957	6.11E-03	1.02E-03	7.50E-04
803	609434.7	4170957	6.37E-03	1.06E-03	7.81E-04
804	609444.6	4170957	6.64E-03	1.10E-03	8.14E-04
805	609454.4	4170957	6.91E-03	1.15E-03	8.48E-04
806	609464.2	4170957	7.19E-03	1.19E-03	8.81E-04
807	609474.1	4170957	7.46E-03	1.24E-03	9.15E-04
808	609483.9	4170957	7.74E-03	1.29E-03	9.49E-04
809	609493.8	4170957	8.01E-03	1.33E-03	9.82E-04
810	609503.6	4170957	8.27E-03	1.37E-03	1.01E-03
811	609513.5	4170957	8.53E-03	1.42E-03	1.05E-03
812	609523.3	4170957	8.77E-03	1.46E-03	1.08E-03
813	609533.1	4170958	9.00E-03	1.50E-03	1.10E-03
814	609543	4170958	9.22E-03	1.53E-03	1.13E-03
815	609552.8	4170958	9.43E-03	1.57E-03	1.16E-03
816	609562.7	4170958	9.61E-03	1.60E-03	1.18E-03
817	609572.5	4170958	9.78E-03	1.62E-03	1.20E-03
818	609582.4	4170958	9.92E-03	1.65E-03	1.22E-03
819	609592.2	4170958	1.00E-02	1.67E-03	1.23E-03
820	609297.7	4170963	3.67E-03	6.10E-04	4.50E-04
821	609288.8	4170959	3.66E-03	6.08E-04	4.49E-04
822	609279.8	4170955	3.65E-03	6.06E-04	4.47E-04
823	609270.8	4170951	3.64E-03	6.04E-04	4.46E-04
824	609261.8	4170948	3.63E-03	6.03E-04	4.45E-04
825	609252.9	4170944	3.62E-03	6.01E-04	4.44E-04
826	609243.9	4170940	3.60E-03	5.99E-04	4.42E-04

827	609234.9	4170936	3.59E-03	5.96E-04	4.40E-04
828	609226	4170932	3.57E-03	5.93E-04	4.38E-04
829	609217	4170929	3.55E-03	5.90E-04	4.35E-04
830	609181.1	4170913	3.42E-03	5.68E-04	4.20E-04
831	609172.1	4170910	3.38E-03	5.61E-04	4.14E-04
832	609163.2	4170906	3.33E-03	5.53E-04	4.08E-04
833	609154.2	4170902	3.27E-03	5.44E-04	4.02E-04
834	609145.2	4170898	3.22E-03	5.35E-04	3.95E-04
835	609132.6	4170885	3.21E-03	5.33E-04	3.94E-04
836	609129	4170876	3.26E-03	5.41E-04	3.99E-04
837	609125.4	4170867	3.30E-03	5.48E-04	4.05E-04
838	609121.8	4170858	3.35E-03	5.56E-04	4.10E-04
839	609111	4170831	3.46E-03	5.74E-04	4.24E-04
840	609107.4	4170822	3.49E-03	5.79E-04	4.28E-04
841	609093	4170786	3.56E-03	5.91E-04	4.36E-04
842	609089.4	4170777	3.56E-03	5.91E-04	4.36E-04
843	609085.8	4170768	3.55E-03	5.90E-04	4.35E-04
844	609082.2	4170759	3.54E-03	5.88E-04	4.34E-04
845	609078.6	4170750	3.52E-03	5.85E-04	4.32E-04
846	609075	4170740	3.51E-03	5.83E-04	4.30E-04
847	609071.4	4170731	3.49E-03	5.80E-04	4.28E-04
848	609306.7	4170967	3.69E-03	6.13E-04	4.52E-04
849	609316.5	4170967	3.79E-03	6.30E-04	4.65E-04
850	609326.4	4170967	3.91E-03	6.49E-04	4.79E-04
851	609336.2	4170967	4.04E-03	6.70E-04	4.95E-04
852	609346.1	4170967	4.17E-03	6.93E-04	5.12E-04
853	609355.9	4170967	4.32E-03	7.18E-04	5.30E-04
854	609365.8	4170967	4.48E-03	7.45E-04	5.50E-04
855	609375.6	4170967	4.66E-03	7.74E-04	5.71E-04
856	609385.5	4170967	4.84E-03	8.05E-04	5.94E-04
857	609395.3	4170967	5.04E-03	8.38E-04	6.18E-04
858	609405.1	4170967	5.25E-03	8.72E-04	6.44E-04
859	609415	4170967	5.47E-03	9.09E-04	6.71E-04
860	609424.8	4170967	5.70E-03	9.47E-04	6.99E-04
861	609434.7	4170967	5.94E-03	9.86E-04	7.28E-04
862	609444.5	4170967	6.18E-03	1.03E-03	7.58E-04
863	609454.4	4170967	6.43E-03	1.07E-03	7.88E-04
864	609464.2	4170967	6.68E-03	1.11E-03	8.19E-04
865	609474	4170967	6.93E-03	1.15E-03	8.50E-04
866	609483.9	4170967	7.18E-03	1.19E-03	8.81E-04
867	609493.7	4170967	7.43E-03	1.23E-03	9.11E-04
868	609503.6	4170967	7.68E-03	1.28E-03	9.41E-04
869	609513.4	4170967	7.91E-03	1.31E-03	9.70E-04
870	609523.3	4170967	8.14E-03	1.35E-03	9.98E-04
871	609533.1	4170968	8.36E-03	1.39E-03	1.02E-03
872	609542.9	4170968	8.56E-03	1.42E-03	1.05E-03
873	609552.8	4170968	8.75E-03	1.45E-03	1.07E-03
874	609562.6	4170968	8.93E-03	1.48E-03	1.09E-03
875	609572.5	4170968	9.09E-03	1.51E-03	1.11E-03
876	609582.3	4170968	9.22E-03	1.53E-03	1.13E-03
877	609592.2	4170968	9.34E-03	1.55E-03	1.15E-03
878	609297.8	4170973	3.49E-03	5.79E-04	4.28E-04

879	609288.9	4170969	3.48E-03	5.77E-04	4.26E-04
880	609280	4170965	3.47E-03	5.76E-04	4.25E-04
881	609271.1	4170961	3.46E-03	5.75E-04	4.24E-04
882	609262.3	4170958	3.45E-03	5.74E-04	4.23E-04
883	609253.4	4170954	3.45E-03	5.72E-04	4.22E-04
884	609244.5	4170950	3.44E-03	5.71E-04	4.21E-04
885	609235.6	4170946	3.43E-03	5.69E-04	4.20E-04
886	609173.5	4170920	3.26E-03	5.41E-04	4.00E-04
887	609164.6	4170916	3.22E-03	5.35E-04	3.95E-04
888	609155.7	4170913	3.17E-03	5.27E-04	3.89E-04
889	609146.9	4170909	3.12E-03	5.19E-04	3.83E-04
890	609138	4170905	3.07E-03	5.10E-04	3.77E-04
891	609125.5	4170892	3.06E-03	5.09E-04	3.76E-04
892	609122	4170883	3.11E-03	5.16E-04	3.81E-04
893	609118.4	4170874	3.15E-03	5.23E-04	3.86E-04
894	609114.8	4170866	3.19E-03	5.30E-04	3.91E-04
895	609104.2	4170839	3.29E-03	5.47E-04	4.04E-04
896	609100.6	4170830	3.32E-03	5.52E-04	4.08E-04
897	609097	4170821	3.35E-03	5.57E-04	4.11E-04
898	609093.5	4170812	3.37E-03	5.60E-04	4.14E-04
899	609082.8	4170785	3.40E-03	5.65E-04	4.17E-04
900	609079.2	4170776	3.40E-03	5.65E-04	4.17E-04
901	609075.6	4170767	3.39E-03	5.63E-04	4.16E-04
902	609072.1	4170758	3.38E-03	5.61E-04	4.14E-04
903	609068.5	4170749	3.36E-03	5.59E-04	4.12E-04
904	609065	4170740	3.35E-03	5.56E-04	4.10E-04
905	609061.4	4170731	3.33E-03	5.54E-04	4.09E-04
906	609306.7	4170977	3.50E-03	5.81E-04	4.29E-04
907	609316.5	4170977	3.59E-03	5.97E-04	4.41E-04
908	609326.3	4170977	3.70E-03	6.14E-04	4.53E-04
909	609336.2	4170977	3.81E-03	6.34E-04	4.68E-04
910	609346	4170977	3.94E-03	6.55E-04	4.83E-04
911	609355.9	4170977	4.08E-03	6.77E-04	5.00E-04
912	609365.7	4170977	4.22E-03	7.02E-04	5.18E-04
913	609375.6	4170977	4.38E-03	7.28E-04	5.37E-04
914	609385.4	4170977	4.55E-03	7.56E-04	5.58E-04
915	609395.3	4170977	4.73E-03	7.86E-04	5.80E-04
916	609405.1	4170977	4.92E-03	8.18E-04	6.03E-04
917	609414.9	4170977	5.12E-03	8.51E-04	6.28E-04
918	609424.8	4170977	5.33E-03	8.85E-04	6.54E-04
919	609434.6	4170977	5.55E-03	9.21E-04	6.80E-04
920	609444.5	4170977	5.77E-03	9.58E-04	7.07E-04
921	609454.3	4170977	5.99E-03	9.96E-04	7.35E-04
922	609464.2	4170977	6.22E-03	1.03E-03	7.63E-04
923	609474	4170977	6.45E-03	1.07E-03	7.91E-04
924	609483.8	4170977	6.69E-03	1.11E-03	8.20E-04
925	609493.7	4170977	6.92E-03	1.15E-03	8.48E-04
926	609503.5	4170977	7.14E-03	1.19E-03	8.76E-04
927	609513.4	4170977	7.36E-03	1.22E-03	9.03E-04
928	609523.2	4170977	7.57E-03	1.26E-03	9.28E-04
929	609533.1	4170978	7.78E-03	1.29E-03	9.53E-04
930	609542.9	4170978	7.97E-03	1.32E-03	9.77E-04

931	609552.7	4170978	8.15E-03	1.35E-03	9.99E-04
932	609562.6	4170978	8.31E-03	1.38E-03	1.02E-03
933	609572.4	4170978	8.46E-03	1.41E-03	1.04E-03
934	609582.3	4170978	8.59E-03	1.43E-03	1.05E-03
935	609297.8	4170983	3.31E-03	5.51E-04	4.06E-04
936	609289	4170979	3.31E-03	5.49E-04	4.05E-04
937	609280.2	4170975	3.30E-03	5.48E-04	4.04E-04
938	609271.4	4170972	3.29E-03	5.47E-04	4.04E-04
939	609262.6	4170968	3.29E-03	5.46E-04	4.03E-04
940	609253.9	4170964	3.28E-03	5.46E-04	4.03E-04
941	609245.1	4170960	3.28E-03	5.45E-04	4.02E-04
942	609201.1	4170942	3.22E-03	5.35E-04	3.95E-04
943	609165.9	4170927	3.11E-03	5.16E-04	3.81E-04
944	609157.1	4170923	3.07E-03	5.10E-04	3.77E-04
945	609148.3	4170920	3.03E-03	5.03E-04	3.71E-04
946	609139.5	4170916	2.98E-03	4.96E-04	3.66E-04
947	609130.7	4170912	2.94E-03	4.88E-04	3.60E-04
948	609118.4	4170899	2.93E-03	4.87E-04	3.59E-04
949	609114.9	4170891	2.97E-03	4.93E-04	3.64E-04
950	609111.4	4170882	3.01E-03	4.99E-04	3.69E-04
951	609107.8	4170873	3.04E-03	5.06E-04	3.73E-04
952	609093.7	4170837	3.17E-03	5.27E-04	3.89E-04
953	609090.2	4170828	3.20E-03	5.31E-04	3.92E-04
954	609086.7	4170820	3.22E-03	5.35E-04	3.95E-04
955	609083.1	4170811	3.24E-03	5.38E-04	3.97E-04
956	609069	4170775	3.25E-03	5.40E-04	3.99E-04
957	609065.5	4170766	3.24E-03	5.39E-04	3.98E-04
958	609062	4170758	3.23E-03	5.36E-04	3.96E-04
959	609058.4	4170749	3.21E-03	5.34E-04	3.94E-04
960	609054.9	4170740	3.20E-03	5.31E-04	3.92E-04
961	609051.4	4170731	3.18E-03	5.29E-04	3.90E-04
962	609306.6	4170987	3.32E-03	5.52E-04	4.08E-04
963	609316.5	4170987	3.41E-03	5.67E-04	4.18E-04
964	609326.3	4170987	3.51E-03	5.82E-04	4.30E-04
965	609336.1	4170987	3.61E-03	6.00E-04	4.43E-04
966	609346	4170987	3.73E-03	6.19E-04	4.57E-04
967	609355.8	4170987	3.85E-03	6.40E-04	4.72E-04
968	609365.7	4170987	3.98E-03	6.62E-04	4.89E-04
969	609375.5	4170987	4.13E-03	6.86E-04	5.06E-04
970	609385.4	4170987	4.29E-03	7.12E-04	5.25E-04
971	609395.2	4170987	4.45E-03	7.39E-04	5.46E-04
972	609405	4170987	4.62E-03	7.68E-04	5.67E-04
973	609414.9	4170987	4.81E-03	7.98E-04	5.89E-04
974	609424.7	4170987	5.00E-03	8.30E-04	6.13E-04
975	609434.6	4170987	5.19E-03	8.63E-04	6.37E-04
976	609444.4	4170987	5.40E-03	8.97E-04	6.62E-04
977	609454.3	4170987	5.60E-03	9.31E-04	6.87E-04
978	609464.1	4170987	5.82E-03	9.66E-04	7.13E-04
979	609474	4170987	6.03E-03	1.00E-03	7.39E-04
980	609483.8	4170987	6.24E-03	1.04E-03	7.65E-04
981	609493.6	4170987	6.45E-03	1.07E-03	7.91E-04
982	609503.5	4170987	6.66E-03	1.11E-03	8.17E-04

983	609513.3	4170987	6.87E-03	1.14E-03	8.42E-04
984	609523.2	4170987	7.06E-03	1.17E-03	8.66E-04
985	609533	4170988	7.25E-03	1.20E-03	8.89E-04
986	609542.9	4170988	7.43E-03	1.23E-03	9.11E-04
987	609552.7	4170988	7.60E-03	1.26E-03	9.32E-04
988	609562.5	4170988	7.75E-03	1.29E-03	9.51E-04
989	609572.4	4170988	7.90E-03	1.31E-03	9.68E-04
990	609582.2	4170988	8.02E-03	1.33E-03	9.84E-04
991	609297.9	4170993	3.15E-03	5.24E-04	3.87E-04
992	609289.1	4170989	3.15E-03	5.23E-04	3.86E-04
993	609280.4	4170985	3.14E-03	5.22E-04	3.85E-04
994	609271.7	4170982	3.14E-03	5.21E-04	3.85E-04
995	609263	4170978	3.14E-03	5.21E-04	3.84E-04
996	609254.3	4170974	3.13E-03	5.20E-04	3.84E-04
997	609210.7	4170956	3.10E-03	5.15E-04	3.80E-04
998	609202	4170952	3.09E-03	5.13E-04	3.79E-04
999	609193.3	4170949	3.07E-03	5.11E-04	3.77E-04
1000	609158.4	4170934	2.97E-03	4.93E-04	3.64E-04
1001	609149.7	4170930	2.94E-03	4.88E-04	3.60E-04
1002	609141	4170926	2.90E-03	4.81E-04	3.55E-04
1003	609132.2	4170923	2.86E-03	4.75E-04	3.50E-04
1004	609123.5	4170919	2.81E-03	4.68E-04	3.45E-04
1005	609111.3	4170907	2.81E-03	4.66E-04	3.44E-04
1006	609107.8	4170898	2.84E-03	4.72E-04	3.49E-04
1007	609104.3	4170889	2.88E-03	4.78E-04	3.53E-04
1008	609100.8	4170880	2.91E-03	4.83E-04	3.57E-04
1009	609086.8	4170845	3.03E-03	5.03E-04	3.71E-04
1010	609083.3	4170836	3.06E-03	5.08E-04	3.75E-04
1011	609079.8	4170827	3.08E-03	5.12E-04	3.78E-04
1012	609076.3	4170819	3.10E-03	5.15E-04	3.80E-04
1013	609072.8	4170810	3.11E-03	5.17E-04	3.81E-04
1014	609069.3	4170801	3.12E-03	5.18E-04	3.82E-04
1015	609058.8	4170775	3.11E-03	5.17E-04	3.82E-04
1016	609055.3	4170766	3.10E-03	5.16E-04	3.81E-04
1017	609051.8	4170757	3.09E-03	5.13E-04	3.79E-04
1018	609048.3	4170748	3.07E-03	5.11E-04	3.77E-04
1019	609044.8	4170739	3.06E-03	5.08E-04	3.75E-04
1020	609041.3	4170731	3.05E-03	5.06E-04	3.74E-04
1021	609306.6	4170997	3.16E-03	5.25E-04	3.88E-04
1022	609316.4	4170997	3.24E-03	5.39E-04	3.98E-04
1023	609326.3	4170997	3.33E-03	5.53E-04	4.08E-04
1024	609336.1	4170997	3.42E-03	5.69E-04	4.20E-04
1025	609345.9	4170997	3.53E-03	5.86E-04	4.33E-04
1026	609355.8	4170997	3.64E-03	6.05E-04	4.47E-04
1027	609365.6	4170997	3.77E-03	6.26E-04	4.62E-04
1028	609375.5	4170997	3.90E-03	6.48E-04	4.78E-04
1029	609385.3	4170997	4.04E-03	6.72E-04	4.96E-04
1030	609395.2	4170997	4.19E-03	6.97E-04	5.14E-04
1031	609405	4170997	4.35E-03	7.23E-04	5.34E-04
1032	609414.8	4170997	4.52E-03	7.51E-04	5.54E-04
1033	609424.7	4170997	4.70E-03	7.80E-04	5.76E-04
1034	609434.5	4170997	4.88E-03	8.10E-04	5.98E-04

1035	609444.4	4170997	5.06E-03	8.41E-04	6.21E-04
1036	609454.2	4170997	5.25E-03	8.73E-04	6.44E-04
1037	609464.1	4170997	5.45E-03	9.05E-04	6.68E-04
1038	609473.9	4170997	5.64E-03	9.37E-04	6.92E-04
1039	609483.7	4170997	5.84E-03	9.70E-04	7.16E-04
1040	609493.6	4170997	6.04E-03	1.00E-03	7.40E-04
1041	609503.4	4170997	6.23E-03	1.03E-03	7.64E-04
1042	609513.3	4170997	6.42E-03	1.07E-03	7.87E-04
1043	609523.1	4170997	6.60E-03	1.10E-03	8.10E-04
1044	609533	4170998	6.78E-03	1.13E-03	8.31E-04
1045	609542.8	4170998	6.95E-03	1.15E-03	8.52E-04
1046	609552.7	4170998	7.11E-03	1.18E-03	8.71E-04
1047	609562.5	4170998	7.25E-03	1.20E-03	8.89E-04
1048	609572.3	4170998	7.39E-03	1.23E-03	9.06E-04
1049	609582.2	4170998	7.51E-03	1.25E-03	9.21E-04
1050	609297.5	4171003	3.01E-03	4.99E-04	3.68E-04
1051	609288.4	4170999	3.00E-03	4.98E-04	3.68E-04
1052	609279.4	4170995	3.00E-03	4.98E-04	3.67E-04
1053	609270.4	4170991	2.99E-03	4.97E-04	3.67E-04
1054	609225.2	4170972	2.98E-03	4.96E-04	3.66E-04
1055	609216.1	4170968	2.98E-03	4.95E-04	3.65E-04
1056	609207.1	4170964	2.97E-03	4.93E-04	3.64E-04
1057	609198.1	4170961	2.96E-03	4.91E-04	3.63E-04
1058	609189	4170957	2.94E-03	4.89E-04	3.61E-04
1059	609180	4170953	2.93E-03	4.86E-04	3.59E-04
1060	609152.9	4170941	2.85E-03	4.73E-04	3.49E-04
1061	609143.8	4170938	2.82E-03	4.68E-04	3.45E-04
1062	609134.8	4170934	2.78E-03	4.62E-04	3.41E-04
1063	609125.7	4170930	2.74E-03	4.56E-04	3.36E-04
1064	609116.7	4170926	2.70E-03	4.49E-04	3.31E-04
1065	609104	4170913	2.69E-03	4.48E-04	3.30E-04
1066	609100.4	4170904	2.73E-03	4.53E-04	3.35E-04
1067	609096.8	4170895	2.76E-03	4.59E-04	3.39E-04
1068	609093.1	4170886	2.79E-03	4.64E-04	3.42E-04
1069	609078.6	4170849	2.91E-03	4.83E-04	3.56E-04
1070	609075	4170840	2.93E-03	4.87E-04	3.59E-04
1071	609071.4	4170831	2.95E-03	4.91E-04	3.62E-04
1072	609067.7	4170822	2.97E-03	4.94E-04	3.64E-04
1073	609064.1	4170813	2.98E-03	4.96E-04	3.66E-04
1074	609060.5	4170804	2.99E-03	4.97E-04	3.67E-04
1075	609046	4170767	2.97E-03	4.94E-04	3.65E-04
1076	609042.4	4170758	2.96E-03	4.92E-04	3.63E-04
1077	609038.7	4170749	2.95E-03	4.89E-04	3.61E-04
1078	609035.1	4170740	2.93E-03	4.87E-04	3.59E-04
1079	609031.5	4170731	2.92E-03	4.85E-04	3.58E-04
1080	609306.5	4171007	3.01E-03	5.01E-04	3.69E-04
1081	609316.4	4171007	3.09E-03	5.13E-04	3.78E-04
1082	609326.2	4171007	3.17E-03	5.26E-04	3.88E-04
1083	609336.1	4171007	3.25E-03	5.40E-04	3.99E-04
1084	609345.9	4171007	3.35E-03	5.56E-04	4.11E-04
1085	609355.7	4171007	3.45E-03	5.74E-04	4.23E-04
1086	609365.6	4171007	3.57E-03	5.93E-04	4.37E-04

1087	609375.4	4171007	3.69E-03	6.13E-04	4.53E-04
1088	609385.3	4171007	3.82E-03	6.35E-04	4.69E-04
1089	609395.1	4171007	3.96E-03	6.58E-04	4.86E-04
1090	609405	4171007	4.11E-03	6.82E-04	5.04E-04
1091	609414.8	4171007	4.26E-03	7.08E-04	5.23E-04
1092	609424.6	4171007	4.42E-03	7.35E-04	5.42E-04
1093	609434.5	4171007	4.59E-03	7.62E-04	5.63E-04
1094	609444.3	4171007	4.76E-03	7.91E-04	5.84E-04
1095	609454.2	4171007	4.94E-03	8.20E-04	6.05E-04
1096	609464	4171007	5.12E-03	8.50E-04	6.27E-04
1097	609473.9	4171007	5.30E-03	8.80E-04	6.49E-04
1098	609483.7	4171007	5.48E-03	9.10E-04	6.72E-04
1099	609493.5	4171007	5.66E-03	9.40E-04	6.94E-04
1100	609503.4	4171007	5.84E-03	9.69E-04	7.16E-04
1101	609513.2	4171007	6.01E-03	9.99E-04	7.37E-04
1102	609523.1	4171007	6.19E-03	1.03E-03	7.58E-04
1103	609532.9	4171008	6.35E-03	1.06E-03	7.79E-04
1104	609542.8	4171008	6.51E-03	1.08E-03	7.98E-04
1105	609552.6	4171008	6.66E-03	1.11E-03	8.16E-04
1106	609562.5	4171008	6.80E-03	1.13E-03	8.33E-04
1107	609572.3	4171008	6.92E-03	1.15E-03	8.49E-04
1108	609582.1	4171008	7.04E-03	1.17E-03	8.63E-04
1109	609297.5	4171013	2.87E-03	4.76E-04	3.52E-04
1110	609288.6	4171009	2.86E-03	4.75E-04	3.51E-04
1111	609279.6	4171005	2.86E-03	4.75E-04	3.51E-04
1112	609234.8	4170986	2.86E-03	4.75E-04	3.50E-04
1113	609225.9	4170982	2.86E-03	4.74E-04	3.50E-04
1114	609216.9	4170979	2.85E-03	4.74E-04	3.50E-04
1115	609208	4170975	2.85E-03	4.73E-04	3.49E-04
1116	609199	4170971	2.84E-03	4.72E-04	3.48E-04
1117	609190.1	4170967	2.83E-03	4.70E-04	3.47E-04
1118	609181.1	4170963	2.82E-03	4.68E-04	3.46E-04
1119	609172.2	4170960	2.80E-03	4.65E-04	3.43E-04
1120	609145.3	4170948	2.73E-03	4.54E-04	3.35E-04
1121	609136.3	4170944	2.70E-03	4.49E-04	3.31E-04
1122	609127.4	4170941	2.67E-03	4.43E-04	3.27E-04
1123	609118.4	4170937	2.63E-03	4.37E-04	3.23E-04
1124	609109.5	4170933	2.60E-03	4.31E-04	3.18E-04
1125	609096.9	4170920	2.59E-03	4.30E-04	3.17E-04
1126	609093.3	4170911	2.62E-03	4.35E-04	3.21E-04
1127	609089.7	4170902	2.65E-03	4.40E-04	3.25E-04
1128	609086.1	4170893	2.68E-03	4.45E-04	3.28E-04
1129	609082.5	4170884	2.71E-03	4.50E-04	3.32E-04
1130	609071.8	4170857	2.78E-03	4.62E-04	3.41E-04
1131	609068.2	4170848	2.81E-03	4.66E-04	3.44E-04
1132	609064.6	4170839	2.83E-03	4.70E-04	3.47E-04
1133	609061	4170830	2.85E-03	4.73E-04	3.49E-04
1134	609057.4	4170821	2.86E-03	4.75E-04	3.51E-04
1135	609053.8	4170812	2.87E-03	4.77E-04	3.52E-04
1136	609050.2	4170803	2.88E-03	4.78E-04	3.53E-04
1137	609046.6	4170794	2.88E-03	4.78E-04	3.53E-04
1138	609035.8	4170767	2.85E-03	4.74E-04	3.50E-04

1139	609032.2	4170758	2.84E-03	4.71E-04	3.48E-04
1140	609028.6	4170749	2.82E-03	4.69E-04	3.46E-04
1141	609025	4170740	2.81E-03	4.67E-04	3.45E-04
1142	609021.4	4170731	2.80E-03	4.65E-04	3.43E-04
1143	609306.5	4171017	2.87E-03	4.77E-04	3.52E-04
1144	609316.3	4171017	2.94E-03	4.89E-04	3.61E-04
1145	609326.2	4171017	3.02E-03	5.01E-04	3.70E-04
1146	609336	4171017	3.10E-03	5.14E-04	3.80E-04
1147	609345.9	4171017	3.18E-03	5.29E-04	3.90E-04
1148	609355.7	4171017	3.28E-03	5.45E-04	4.02E-04
1149	609244.3	4171000	2.73E-03	4.54E-04	3.35E-04
1150	609235.4	4170996	2.73E-03	4.54E-04	3.35E-04
1151	609226.5	4170993	2.74E-03	4.54E-04	3.35E-04
1152	609217.7	4170989	2.73E-03	4.54E-04	3.35E-04
1153	609208.8	4170985	2.73E-03	4.54E-04	3.35E-04
1154	609199.9	4170981	2.73E-03	4.53E-04	3.34E-04
1155	609191	4170978	2.72E-03	4.52E-04	3.34E-04
1156	609182.1	4170974	2.71E-03	4.51E-04	3.33E-04
1157	609173.3	4170970	2.70E-03	4.49E-04	3.31E-04
1158	609164.4	4170966	2.69E-03	4.46E-04	3.29E-04
1159	609137.8	4170955	2.62E-03	4.36E-04	3.22E-04
1160	609128.9	4170951	2.59E-03	4.31E-04	3.18E-04
1161	609120	4170948	2.56E-03	4.26E-04	3.14E-04
1162	609111.1	4170944	2.53E-03	4.20E-04	3.10E-04
1163	609102.2	4170940	2.50E-03	4.15E-04	3.06E-04
1164	609089.8	4170927	2.49E-03	4.13E-04	3.05E-04
1165	609086.2	4170918	2.52E-03	4.18E-04	3.09E-04
1166	609082.7	4170909	2.55E-03	4.23E-04	3.12E-04
1167	609079.1	4170900	2.57E-03	4.27E-04	3.15E-04
1168	609075.5	4170892	2.60E-03	4.32E-04	3.18E-04
1169	609064.9	4170865	2.67E-03	4.43E-04	3.27E-04
1170	609061.3	4170856	2.69E-03	4.47E-04	3.30E-04
1171	609057.7	4170847	2.71E-03	4.51E-04	3.33E-04
1172	609054.2	4170838	2.73E-03	4.54E-04	3.35E-04
1173	609050.6	4170829	2.75E-03	4.56E-04	3.37E-04
1174	609047	4170820	2.76E-03	4.58E-04	3.38E-04
1175	609043.5	4170811	2.76E-03	4.59E-04	3.39E-04
1176	609039.9	4170802	2.77E-03	4.60E-04	3.39E-04
1177	609036.3	4170793	2.77E-03	4.59E-04	3.39E-04
1178	609022.1	4170757	2.72E-03	4.52E-04	3.34E-04
1179	609018.5	4170748	2.71E-03	4.50E-04	3.32E-04
1180	609015	4170739	2.70E-03	4.48E-04	3.31E-04
1181	609011.4	4170730	2.69E-03	4.46E-04	3.29E-04
1182	609253.5	4171014	2.61E-03	4.34E-04	3.20E-04
1183	609244.7	4171010	2.62E-03	4.35E-04	3.21E-04
1184	609235.9	4171007	2.62E-03	4.35E-04	3.21E-04
1185	609227.1	4171003	2.62E-03	4.35E-04	3.21E-04
1186	609218.3	4170999	2.62E-03	4.36E-04	3.22E-04
1187	609209.5	4170996	2.62E-03	4.36E-04	3.22E-04
1188	609200.7	4170992	2.62E-03	4.35E-04	3.21E-04
1189	609191.9	4170988	2.62E-03	4.35E-04	3.21E-04
1190	609183.1	4170984	2.61E-03	4.34E-04	3.20E-04

1191	609174.3	4170981	2.61E-03	4.33E-04	3.19E-04
1192	609165.5	4170977	2.59E-03	4.31E-04	3.18E-04
1193	609156.7	4170973	2.58E-03	4.29E-04	3.16E-04
1194	609130.3	4170962	2.52E-03	4.19E-04	3.09E-04
1195	609121.4	4170958	2.49E-03	4.14E-04	3.06E-04
1196	609112.6	4170955	2.47E-03	4.10E-04	3.02E-04
1197	609103.8	4170951	2.43E-03	4.04E-04	2.99E-04
1198	609095	4170947	2.40E-03	3.99E-04	2.94E-04
1199	609082.7	4170934	2.40E-03	3.98E-04	2.94E-04
1200	609079.1	4170926	2.42E-03	4.02E-04	2.97E-04
1201	609075.6	4170917	2.45E-03	4.07E-04	3.00E-04
1202	609072.1	4170908	2.47E-03	4.11E-04	3.03E-04
1203	609068.5	4170899	2.50E-03	4.15E-04	3.06E-04
1204	609057.9	4170872	2.56E-03	4.26E-04	3.14E-04
1205	609054.4	4170863	2.58E-03	4.29E-04	3.17E-04
1206	609050.9	4170854	2.60E-03	4.33E-04	3.19E-04
1207	609047.3	4170846	2.62E-03	4.36E-04	3.22E-04
1208	609043.8	4170837	2.64E-03	4.38E-04	3.23E-04
1209	609040.3	4170828	2.65E-03	4.40E-04	3.25E-04
1210	609036.7	4170819	2.66E-03	4.42E-04	3.26E-04
1211	609033.2	4170810	2.66E-03	4.43E-04	3.27E-04
1212	609029.7	4170801	2.66E-03	4.43E-04	3.27E-04
1213	609026.1	4170792	2.66E-03	4.42E-04	3.26E-04
1214	609022.6	4170783	2.65E-03	4.41E-04	3.25E-04
1215	609012	4170757	2.62E-03	4.35E-04	3.21E-04
1216	609008.4	4170748	2.60E-03	4.33E-04	3.19E-04
1217	609630.1	4170735	1.18E-01	1.96E-02	1.45E-02
1218	609633.2	4170719	1.42E-01	2.36E-02	1.74E-02
1219	609633.4	4170709	1.57E-01	2.61E-02	1.93E-02
1220	609633.5	4170700	1.69E-01	2.80E-02	2.07E-02
1221	609633.7	4170691	1.76E-01	2.92E-02	2.16E-02
1222	609633.8	4170681	1.79E-01	2.97E-02	2.19E-02
1223	609633.9	4170672	1.77E-01	2.94E-02	2.17E-02
1224	609634.1	4170662	1.72E-01	2.85E-02	2.10E-02
1225	609634.2	4170653	1.62E-01	2.69E-02	1.99E-02
1226	609634.4	4170643	1.49E-01	2.48E-02	1.83E-02
1227	609634.5	4170634	1.33E-01	2.21E-02	1.63E-02
1228	609634.7	4170624	1.15E-01	1.91E-02	1.41E-02
1229	609640.1	4170735	1.01E-01	1.68E-02	1.24E-02
1230	609634.1	4170749	8.91E-02	1.48E-02	1.09E-02
1231	609643.2	4170719	1.18E-01	1.96E-02	1.44E-02
1232	609643.4	4170710	1.28E-01	2.13E-02	1.57E-02
1233	609643.5	4170700	1.37E-01	2.27E-02	1.67E-02
1234	609643.7	4170691	1.42E-01	2.36E-02	1.74E-02
1235	609643.8	4170681	1.44E-01	2.39E-02	1.77E-02
1236	609643.9	4170672	1.43E-01	2.38E-02	1.75E-02
1237	609644.1	4170662	1.39E-01	2.31E-02	1.70E-02
1238	609644.2	4170653	1.32E-01	2.19E-02	1.62E-02
1239	609644.4	4170643	1.23E-01	2.04E-02	1.50E-02
1240	609644.5	4170634	1.11E-01	1.85E-02	1.36E-02
1241	609644.7	4170625	9.83E-02	1.63E-02	1.20E-02
1242	609650.1	4170736	8.80E-02	1.46E-02	1.08E-02

1243	609644.1	4170750	7.95E-02	1.32E-02	9.75E-03
1244	609631.1	4170766	7.05E-02	1.17E-02	8.65E-03
1245	609653.2	4170719	9.96E-02	1.66E-02	1.22E-02
1246	609653.4	4170710	1.07E-01	1.78E-02	1.31E-02
1247	609653.5	4170700	1.13E-01	1.88E-02	1.39E-02
1248	609653.7	4170691	1.17E-01	1.95E-02	1.44E-02
1249	609653.8	4170681	1.19E-01	1.98E-02	1.46E-02
1250	609653.9	4170672	1.18E-01	1.97E-02	1.45E-02
1251	609654.1	4170663	1.15E-01	1.92E-02	1.42E-02
1252	609654.2	4170653	1.10E-01	1.83E-02	1.35E-02
1253	609654.4	4170644	1.03E-01	1.72E-02	1.27E-02
1254	609654.5	4170634	9.48E-02	1.57E-02	1.16E-02
1255	609654.6	4170625	8.53E-02	1.42E-02	1.05E-02
1256	609659.5	4170737	7.66E-02	1.27E-02	9.39E-03
1257	609655.9	4170746	7.30E-02	1.21E-02	8.95E-03
1258	609652.3	4170754	6.88E-02	1.14E-02	8.44E-03
1259	609648.7	4170762	6.42E-02	1.07E-02	7.88E-03
1260	609636.6	4170774	6.06E-02	1.01E-02	7.42E-03
1261	609628.2	4170778	6.10E-02	1.01E-02	7.48E-03
1262	609663.1	4170729	7.92E-02	1.32E-02	9.71E-03
1263	609663.2	4170719	8.56E-02	1.42E-02	1.05E-02
1264	609663.4	4170710	9.12E-02	1.52E-02	1.12E-02
1265	609663.5	4170700	9.57E-02	1.59E-02	1.17E-02
1266	609663.7	4170691	9.88E-02	1.64E-02	1.21E-02
1267	609663.8	4170682	1.00E-01	1.66E-02	1.23E-02
1268	609663.9	4170672	9.98E-02	1.66E-02	1.22E-02
1269	609664.1	4170663	9.76E-02	1.62E-02	1.20E-02
1270	609664.2	4170653	9.39E-02	1.56E-02	1.15E-02
1271	609664.4	4170644	8.86E-02	1.47E-02	1.09E-02
1272	609664.5	4170634	8.22E-02	1.36E-02	1.01E-02
1273	609664.6	4170625	7.49E-02	1.24E-02	9.18E-03
1274	609669.6	4170737	6.77E-02	1.12E-02	8.30E-03
1275	609662.6	4170753	6.23E-02	1.03E-02	7.64E-03
1276	609655.6	4170770	5.53E-02	9.19E-03	6.78E-03
1277	609643.9	4170781	5.25E-02	8.72E-03	6.44E-03
1278	609627.4	4170788	5.29E-02	8.79E-03	6.49E-03
1279	609673.2	4170719	7.44E-02	1.24E-02	9.12E-03
1280	609673.4	4170710	7.87E-02	1.31E-02	9.65E-03
1281	609673.5	4170701	8.21E-02	1.36E-02	1.01E-02
1282	609673.7	4170691	8.45E-02	1.40E-02	1.04E-02
1283	609673.8	4170682	8.56E-02	1.42E-02	1.05E-02
1284	609673.9	4170672	8.54E-02	1.42E-02	1.05E-02
1285	609674.1	4170663	8.38E-02	1.39E-02	1.03E-02
1286	609674.2	4170653	8.10E-02	1.35E-02	9.93E-03
1287	609674.4	4170644	7.70E-02	1.28E-02	9.44E-03
1288	609674.5	4170635	7.21E-02	1.20E-02	8.83E-03
1289	609674.6	4170625	6.64E-02	1.10E-02	8.14E-03
1290	609679.7	4170737	6.02E-02	1.00E-02	7.39E-03
1291	609672.8	4170753	5.64E-02	9.36E-03	6.91E-03
1292	609666	4170769	5.11E-02	8.49E-03	6.27E-03
1293	609651.1	4170788	4.60E-02	7.65E-03	5.65E-03
1294	609634.9	4170795	4.66E-02	7.73E-03	5.71E-03

1295	609683.2	4170720	6.53E-02	1.08E-02	8.01E-03
1296	609683.4	4170710	6.87E-02	1.14E-02	8.42E-03
1297	609683.5	4170701	7.14E-02	1.19E-02	8.75E-03
1298	609683.7	4170691	7.32E-02	1.22E-02	8.98E-03
1299	609683.8	4170682	7.41E-02	1.23E-02	9.09E-03
1300	609683.9	4170672	7.40E-02	1.23E-02	9.08E-03
1301	609684.1	4170663	7.29E-02	1.21E-02	8.94E-03
1302	609684.2	4170654	7.07E-02	1.17E-02	8.67E-03
1303	609684.4	4170644	6.76E-02	1.12E-02	8.29E-03
1304	609684.5	4170635	6.38E-02	1.06E-02	7.82E-03
1305	609684.6	4170625	5.93E-02	9.86E-03	7.27E-03
1306	609689.7	4170737	5.39E-02	8.96E-03	6.61E-03
1307	609683	4170753	5.11E-02	8.48E-03	6.26E-03
1308	609676.2	4170769	4.71E-02	7.82E-03	5.78E-03
1309	609669.5	4170784	4.25E-02	7.06E-03	5.21E-03
1310	609658.2	4170795	4.07E-02	6.77E-03	4.99E-03
1311	609642.3	4170802	4.13E-02	6.85E-03	5.06E-03
1312	609626.5	4170808	4.08E-02	6.78E-03	5.00E-03
1313	609693.2	4170720	5.78E-02	9.60E-03	7.09E-03
1314	609693.4	4170710	6.05E-02	1.00E-02	7.41E-03
1315	609693.5	4170701	6.26E-02	1.04E-02	7.68E-03
1316	609693.7	4170691	6.41E-02	1.06E-02	7.86E-03
1317	609693.8	4170682	6.49E-02	1.08E-02	7.95E-03
1318	609693.9	4170673	6.49E-02	1.08E-02	7.95E-03
1319	609694.1	4170663	6.40E-02	1.06E-02	7.85E-03
1320	609694.2	4170654	6.23E-02	1.04E-02	7.64E-03
1321	609694.4	4170644	5.99E-02	9.96E-03	7.35E-03
1322	609694.5	4170635	5.69E-02	9.45E-03	6.98E-03
1323	609694.6	4170625	5.34E-02	8.86E-03	6.54E-03
1324	609699.8	4170737	4.85E-02	8.06E-03	5.95E-03
1325	609693.1	4170753	4.64E-02	7.71E-03	5.69E-03
1326	609686.4	4170768	4.34E-02	7.20E-03	5.32E-03
1327	609679.8	4170784	3.97E-02	6.60E-03	4.87E-03
1328	609665.3	4170802	3.63E-02	6.03E-03	4.45E-03
1329	609649.6	4170809	3.68E-02	6.12E-03	4.52E-03
1330	609634	4170815	3.66E-02	6.08E-03	4.49E-03
1331	609703.2	4170720	5.15E-02	8.56E-03	6.32E-03
1332	609703.4	4170710	5.37E-02	8.92E-03	6.58E-03
1333	609703.5	4170701	5.54E-02	9.20E-03	6.79E-03
1334	609703.7	4170692	5.66E-02	9.41E-03	6.94E-03
1335	609703.8	4170682	5.73E-02	9.52E-03	7.03E-03
1336	609703.9	4170673	5.73E-02	9.52E-03	7.03E-03
1337	609704.1	4170663	5.67E-02	9.42E-03	6.95E-03
1338	609704.2	4170654	5.54E-02	9.21E-03	6.79E-03
1339	609704.4	4170644	5.35E-02	8.89E-03	6.56E-03
1340	609704.5	4170635	5.11E-02	8.49E-03	6.27E-03
1341	609704.6	4170626	4.82E-02	8.01E-03	5.92E-03
1342	609709.4	4170738	4.38E-02	7.28E-03	5.37E-03
1343	609705.8	4170747	4.30E-02	7.15E-03	5.27E-03
1344	609702.1	4170755	4.20E-02	6.97E-03	5.14E-03
1345	609698.4	4170764	4.07E-02	6.75E-03	4.99E-03
1346	609694.8	4170772	3.92E-02	6.51E-03	4.80E-03

1347	609691.1	4170781	3.75E-02	6.23E-03	4.60E-03
1348	609687.4	4170789	3.58E-02	5.95E-03	4.39E-03
1349	609683.8	4170798	3.40E-02	5.65E-03	4.17E-03
1350	609671.5	4170810	3.27E-02	5.42E-03	4.00E-03
1351	609662.9	4170813	3.30E-02	5.48E-03	4.04E-03
1352	609654.3	4170817	3.31E-02	5.50E-03	4.06E-03
1353	609645.7	4170820	3.31E-02	5.49E-03	4.05E-03
1354	609637	4170824	3.28E-02	5.45E-03	4.02E-03
1355	609628.4	4170827	3.24E-02	5.38E-03	3.97E-03
1356	609619.8	4170831	3.18E-02	5.28E-03	3.90E-03
1357	609713.1	4170730	4.43E-02	7.36E-03	5.43E-03
1358	609713.2	4170720	4.63E-02	7.68E-03	5.67E-03
1359	609713.4	4170711	4.80E-02	7.97E-03	5.88E-03
1360	609713.5	4170701	4.94E-02	8.21E-03	6.06E-03
1361	609713.6	4170692	5.05E-02	8.38E-03	6.19E-03
1362	609713.8	4170682	5.10E-02	8.48E-03	6.26E-03
1363	609713.9	4170673	5.11E-02	8.49E-03	6.26E-03
1364	609714.1	4170663	5.06E-02	8.41E-03	6.21E-03
1365	609714.2	4170654	4.96E-02	8.24E-03	6.08E-03
1366	609714.4	4170645	4.81E-02	7.99E-03	5.90E-03
1367	609714.5	4170635	4.62E-02	7.67E-03	5.66E-03
1368	609714.6	4170626	4.38E-02	7.28E-03	5.38E-03
1369	609719.5	4170738	3.98E-02	6.61E-03	4.88E-03
1370	609715.9	4170746	3.92E-02	6.52E-03	4.81E-03
1371	609708.7	4170763	3.74E-02	6.22E-03	4.59E-03
1372	609705.1	4170772	3.63E-02	6.03E-03	4.45E-03
1373	609701.5	4170780	3.50E-02	5.81E-03	4.29E-03
1374	609697.9	4170788	3.36E-02	5.58E-03	4.12E-03
1375	609694.3	4170797	3.21E-02	5.33E-03	3.94E-03
1376	609690.7	4170805	3.06E-02	5.08E-03	3.75E-03
1377	609678.7	4170817	2.95E-02	4.90E-03	3.61E-03
1378	609670.2	4170820	2.98E-02	4.94E-03	3.65E-03
1379	609661.7	4170824	2.99E-02	4.97E-03	3.67E-03
1380	609653.3	4170827	2.99E-02	4.97E-03	3.67E-03
1381	609644.8	4170831	2.98E-02	4.94E-03	3.65E-03
1382	609636.4	4170834	2.95E-02	4.90E-03	3.61E-03
1383	609627.9	4170838	2.90E-02	4.82E-03	3.56E-03
1384	609619.5	4170841	2.85E-02	4.73E-03	3.49E-03
1385	609723.2	4170720	4.18E-02	6.94E-03	5.12E-03
1386	609723.4	4170711	4.32E-02	7.18E-03	5.30E-03
1387	609723.5	4170701	4.44E-02	7.38E-03	5.44E-03
1388	609723.6	4170692	4.53E-02	7.52E-03	5.55E-03
1389	609723.8	4170682	4.57E-02	7.60E-03	5.61E-03
1390	609723.9	4170673	4.58E-02	7.61E-03	5.62E-03
1391	609724.1	4170664	4.55E-02	7.55E-03	5.58E-03
1392	609724.2	4170654	4.47E-02	7.42E-03	5.48E-03
1393	609724.4	4170645	4.35E-02	7.22E-03	5.33E-03
1394	609724.5	4170635	4.19E-02	6.96E-03	5.14E-03
1395	609724.6	4170626	4.00E-02	6.65E-03	4.91E-03
1396	609729.5	4170738	3.63E-02	6.03E-03	4.45E-03
1397	609722.5	4170755	3.53E-02	5.86E-03	4.33E-03
1398	609715.4	4170771	3.36E-02	5.58E-03	4.12E-03

1399	609708.3	4170788	3.14E-02	5.22E-03	3.86E-03
1400	609701.2	4170804	2.90E-02	4.81E-03	3.55E-03
1401	609685.8	4170824	2.68E-02	4.44E-03	3.28E-03
1402	609677.5	4170827	2.70E-02	4.49E-03	3.31E-03
1403	609660.8	4170834	2.72E-02	4.52E-03	3.33E-03
1404	609644.1	4170841	2.69E-02	4.47E-03	3.30E-03
1405	609627.5	4170848	2.61E-02	4.34E-03	3.20E-03
1406	609733.2	4170720	3.79E-02	6.30E-03	4.65E-03
1407	609733.4	4170711	3.91E-02	6.50E-03	4.80E-03
1408	609733.5	4170701	4.01E-02	6.66E-03	4.92E-03
1409	609733.6	4170692	4.08E-02	6.79E-03	5.01E-03
1410	609733.8	4170683	4.13E-02	6.86E-03	5.06E-03
1411	609733.9	4170673	4.14E-02	6.87E-03	5.07E-03
1412	609734.1	4170664	4.11E-02	6.83E-03	5.04E-03
1413	609734.2	4170654	4.05E-02	6.72E-03	4.96E-03
1414	609734.4	4170645	3.95E-02	6.56E-03	4.84E-03
1415	609734.5	4170635	3.82E-02	6.35E-03	4.69E-03
1416	609734.6	4170626	3.67E-02	6.09E-03	4.49E-03
1417	609739.6	4170738	3.33E-02	5.53E-03	4.08E-03
1418	609732.6	4170754	3.25E-02	5.40E-03	3.98E-03
1419	609725.6	4170771	3.12E-02	5.18E-03	3.82E-03
1420	609718.6	4170787	2.94E-02	4.89E-03	3.61E-03
1421	609711.6	4170803	2.74E-02	4.55E-03	3.36E-03
1422	609704.6	4170820	2.52E-02	4.19E-03	3.09E-03
1423	609692.9	4170831	2.44E-02	4.05E-03	2.99E-03
1424	609676.5	4170838	2.48E-02	4.11E-03	3.04E-03
1425	609660	4170844	2.48E-02	4.12E-03	3.04E-03
1426	609643.6	4170851	2.44E-02	4.05E-03	2.99E-03
1427	609627.1	4170858	2.36E-02	3.92E-03	2.90E-03
1428	609743.2	4170721	3.46E-02	5.74E-03	4.24E-03
1429	609743.4	4170711	3.56E-02	5.91E-03	4.36E-03
1430	609743.5	4170702	3.64E-02	6.05E-03	4.47E-03
1431	609743.6	4170692	3.71E-02	6.16E-03	4.54E-03
1432	609743.8	4170683	3.74E-02	6.22E-03	4.59E-03
1433	609743.9	4170673	3.75E-02	6.23E-03	4.60E-03
1434	609744.1	4170664	3.73E-02	6.20E-03	4.58E-03
1435	609744.2	4170654	3.68E-02	6.12E-03	4.52E-03
1436	609744.4	4170645	3.61E-02	5.99E-03	4.42E-03
1437	609744.5	4170636	3.50E-02	5.81E-03	4.29E-03
1438	609744.6	4170626	3.37E-02	5.60E-03	4.13E-03
1439	609749.6	4170738	3.06E-02	5.08E-03	3.75E-03
1440	609742.7	4170754	3.00E-02	4.98E-03	3.68E-03
1441	609735.8	4170770	2.89E-02	4.81E-03	3.55E-03
1442	609728.9	4170787	2.75E-02	4.57E-03	3.37E-03
1443	609722	4170803	2.58E-02	4.29E-03	3.17E-03
1444	609715	4170819	2.40E-02	3.99E-03	2.94E-03
1445	609700	4170838	2.24E-02	3.71E-03	2.74E-03
1446	609683.7	4170845	2.27E-02	3.77E-03	2.78E-03
1447	609667.5	4170851	2.27E-02	3.78E-03	2.79E-03
1448	609651.2	4170858	2.24E-02	3.73E-03	2.75E-03
1449	609634.9	4170865	2.18E-02	3.63E-03	2.68E-03
1450	609618.7	4170871	2.09E-02	3.48E-03	2.57E-03

1451	609753.2	4170721	3.17E-02	5.26E-03	3.88E-03
1452	609753.4	4170711	3.25E-02	5.40E-03	3.99E-03
1453	609753.5	4170702	3.32E-02	5.52E-03	4.08E-03
1454	609753.6	4170692	3.38E-02	5.61E-03	4.14E-03
1455	609753.8	4170683	3.41E-02	5.67E-03	4.18E-03
1456	609753.9	4170673	3.42E-02	5.68E-03	4.20E-03
1457	609754.1	4170664	3.41E-02	5.66E-03	4.18E-03
1458	609754.2	4170655	3.37E-02	5.59E-03	4.13E-03
1459	609754.4	4170645	3.30E-02	5.49E-03	4.05E-03
1460	609754.5	4170636	3.22E-02	5.34E-03	3.94E-03
1461	609754.6	4170626	3.11E-02	5.16E-03	3.81E-03
1462	609759.4	4170739	2.82E-02	4.68E-03	3.45E-03
1463	609755.7	4170747	2.80E-02	4.65E-03	3.43E-03
1464	609752	4170756	2.77E-02	4.59E-03	3.39E-03
1465	609748.3	4170765	2.72E-02	4.52E-03	3.34E-03
1466	609744.6	4170773	2.67E-02	4.44E-03	3.27E-03
1467	609740.9	4170782	2.61E-02	4.33E-03	3.20E-03
1468	609737.3	4170790	2.54E-02	4.22E-03	3.11E-03
1469	609733.6	4170799	2.46E-02	4.09E-03	3.02E-03
1470	609729.9	4170808	2.38E-02	3.96E-03	2.92E-03
1471	609726.2	4170816	2.30E-02	3.82E-03	2.82E-03
1472	609722.5	4170825	2.21E-02	3.67E-03	2.71E-03
1473	609718.8	4170833	2.12E-02	3.52E-03	2.60E-03
1474	609706.4	4170846	2.06E-02	3.42E-03	2.52E-03
1475	609697.8	4170849	2.08E-02	3.45E-03	2.55E-03
1476	609689.1	4170853	2.09E-02	3.47E-03	2.56E-03
1477	609680.4	4170856	2.09E-02	3.48E-03	2.57E-03
1478	609671.8	4170860	2.09E-02	3.47E-03	2.56E-03
1479	609663.1	4170863	2.08E-02	3.45E-03	2.55E-03
1480	609654.4	4170867	2.06E-02	3.42E-03	2.53E-03
1481	609645.7	4170870	2.04E-02	3.38E-03	2.50E-03
1482	609637.1	4170874	2.00E-02	3.32E-03	2.45E-03
1483	609628.4	4170877	1.96E-02	3.26E-03	2.40E-03
1484	609619.7	4170881	1.91E-02	3.18E-03	2.35E-03
1485	609763.1	4170730	2.82E-02	4.69E-03	3.46E-03
1486	609763.2	4170721	2.91E-02	4.83E-03	3.57E-03
1487	609763.4	4170711	2.98E-02	4.96E-03	3.66E-03
1488	609763.5	4170702	3.05E-02	5.06E-03	3.74E-03
1489	609763.6	4170692	3.09E-02	5.14E-03	3.79E-03
1490	609763.8	4170683	3.12E-02	5.19E-03	3.83E-03
1491	609763.9	4170674	3.13E-02	5.20E-03	3.84E-03
1492	609764.1	4170664	3.12E-02	5.19E-03	3.83E-03
1493	609764.2	4170655	3.09E-02	5.14E-03	3.79E-03
1494	609764.4	4170645	3.04E-02	5.05E-03	3.73E-03
1495	609764.5	4170636	2.97E-02	4.93E-03	3.64E-03
1496	609764.6	4170626	2.87E-02	4.77E-03	3.52E-03
1497	609769.4	4170739	2.60E-02	4.33E-03	3.19E-03
1498	609765.8	4170747	2.59E-02	4.30E-03	3.18E-03
1499	609762.2	4170756	2.57E-02	4.26E-03	3.15E-03
1500	609758.5	4170764	2.53E-02	4.21E-03	3.11E-03
1501	609754.9	4170773	2.49E-02	4.14E-03	3.05E-03
1502	609751.2	4170781	2.44E-02	4.06E-03	2.99E-03

1503	609747.6	4170790	2.38E-02	3.96E-03	2.92E-03
1504	609744	4170798	2.32E-02	3.86E-03	2.85E-03
1505	609740.3	4170807	2.25E-02	3.75E-03	2.76E-03
1506	609736.7	4170815	2.18E-02	3.63E-03	2.68E-03
1507	609733	4170824	2.11E-02	3.50E-03	2.58E-03
1508	609729.4	4170832	2.03E-02	3.38E-03	2.49E-03
1509	609725.8	4170841	1.95E-02	3.25E-03	2.40E-03
1510	609713.6	4170853	1.90E-02	3.15E-03	2.33E-03
1511	609705	4170856	1.91E-02	3.18E-03	2.35E-03
1512	609696.5	4170860	1.93E-02	3.20E-03	2.36E-03
1513	609687.9	4170863	1.93E-02	3.21E-03	2.37E-03
1514	609679.3	4170867	1.93E-02	3.21E-03	2.37E-03
1515	609670.8	4170870	1.92E-02	3.20E-03	2.36E-03
1516	609662.2	4170874	1.91E-02	3.17E-03	2.34E-03
1517	609653.7	4170877	1.89E-02	3.14E-03	2.32E-03
1518	609645.1	4170880	1.86E-02	3.09E-03	2.28E-03
1519	609636.6	4170884	1.83E-02	3.04E-03	2.24E-03
1520	609628	4170887	1.79E-02	2.97E-03	2.20E-03
1521	609619.4	4170891	1.75E-02	2.90E-03	2.14E-03
1522	609773.1	4170730	2.61E-02	4.33E-03	3.20E-03
1523	609773.2	4170721	2.68E-02	4.46E-03	3.29E-03
1524	609773.4	4170712	2.75E-02	4.57E-03	3.37E-03
1525	609773.5	4170702	2.80E-02	4.66E-03	3.44E-03
1526	609773.6	4170693	2.84E-02	4.72E-03	3.49E-03
1527	609773.8	4170683	2.87E-02	4.77E-03	3.52E-03
1528	609773.9	4170674	2.88E-02	4.78E-03	3.53E-03
1529	609774.1	4170664	2.87E-02	4.77E-03	3.52E-03
1530	609774.2	4170655	2.85E-02	4.73E-03	3.49E-03
1531	609774.4	4170645	2.81E-02	4.66E-03	3.44E-03
1532	609774.5	4170636	2.74E-02	4.56E-03	3.36E-03
1533	609774.6	4170627	2.66E-02	4.42E-03	3.26E-03
1534	609779.5	4170739	2.42E-02	4.01E-03	2.96E-03
1535	609775.9	4170747	2.40E-02	3.99E-03	2.95E-03
1536	609772.3	4170756	2.39E-02	3.97E-03	2.93E-03
1537	609765.1	4170772	2.33E-02	3.87E-03	2.85E-03
1538	609761.5	4170781	2.29E-02	3.80E-03	2.80E-03
1539	609757.9	4170789	2.24E-02	3.72E-03	2.75E-03
1540	609754.3	4170798	2.19E-02	3.63E-03	2.68E-03
1541	609750.7	4170806	2.13E-02	3.54E-03	2.61E-03
1542	609747.1	4170814	2.07E-02	3.44E-03	2.54E-03
1543	609743.5	4170823	2.01E-02	3.33E-03	2.46E-03
1544	609739.9	4170831	1.94E-02	3.23E-03	2.38E-03
1545	609736.3	4170840	1.87E-02	3.11E-03	2.30E-03
1546	609732.7	4170848	1.81E-02	3.00E-03	2.21E-03
1547	609720.7	4170860	1.76E-02	2.92E-03	2.15E-03
1548	609712.2	4170863	1.77E-02	2.94E-03	2.17E-03
1549	609703.8	4170867	1.78E-02	2.96E-03	2.19E-03
1550	609695.3	4170870	1.79E-02	2.97E-03	2.19E-03
1551	609686.8	4170874	1.79E-02	2.97E-03	2.19E-03
1552	609678.4	4170877	1.78E-02	2.96E-03	2.19E-03
1553	609669.9	4170880	1.77E-02	2.95E-03	2.17E-03
1554	609661.5	4170884	1.76E-02	2.92E-03	2.15E-03

1555	609653	4170887	1.74E-02	2.88E-03	2.13E-03
1556	609644.6	4170891	1.71E-02	2.84E-03	2.10E-03
1557	609636.1	4170894	1.68E-02	2.79E-03	2.06E-03
1558	609627.6	4170898	1.64E-02	2.73E-03	2.01E-03
1559	609619.2	4170901	1.60E-02	2.66E-03	1.96E-03
1560	609783.1	4170731	2.42E-02	4.02E-03	2.97E-03
1561	609783.2	4170721	2.48E-02	4.13E-03	3.05E-03
1562	609783.4	4170712	2.54E-02	4.22E-03	3.11E-03
1563	609783.5	4170702	2.59E-02	4.30E-03	3.17E-03
1564	609783.6	4170693	2.62E-02	4.36E-03	3.22E-03
1565	609783.8	4170683	2.65E-02	4.40E-03	3.25E-03
1566	609783.9	4170674	2.66E-02	4.41E-03	3.26E-03
1567	609784.1	4170664	2.65E-02	4.41E-03	3.25E-03
1568	609784.2	4170655	2.63E-02	4.37E-03	3.23E-03
1569	609784.4	4170646	2.60E-02	4.31E-03	3.18E-03
1570	609784.5	4170636	2.55E-02	4.23E-03	3.12E-03
1571	609784.6	4170627	2.48E-02	4.11E-03	3.04E-03
1572	609789.5	4170739	2.25E-02	3.73E-03	2.76E-03
1573	609782.4	4170756	2.23E-02	3.70E-03	2.73E-03
1574	609778.8	4170764	2.20E-02	3.66E-03	2.70E-03
1575	609771.7	4170781	2.14E-02	3.56E-03	2.63E-03
1576	609764.6	4170797	2.06E-02	3.43E-03	2.53E-03
1577	609761	4170805	2.01E-02	3.35E-03	2.47E-03
1578	609753.9	4170822	1.91E-02	3.17E-03	2.34E-03
1579	609746.8	4170839	1.79E-02	2.98E-03	2.20E-03
1580	609743.2	4170847	1.73E-02	2.88E-03	2.13E-03
1581	609727.8	4170867	1.63E-02	2.71E-03	2.00E-03
1582	609711	4170874	1.65E-02	2.75E-03	2.03E-03
1583	609694.3	4170880	1.66E-02	2.76E-03	2.04E-03
1584	609685.9	4170884	1.66E-02	2.75E-03	2.03E-03
1585	609669.2	4170891	1.64E-02	2.72E-03	2.01E-03
1586	609652.4	4170897	1.60E-02	2.66E-03	1.96E-03
1587	609635.7	4170904	1.54E-02	2.56E-03	1.89E-03
1588	609627.3	4170908	1.51E-02	2.50E-03	1.85E-03
1589	609793.2	4170721	2.31E-02	3.83E-03	2.83E-03
1590	609793.4	4170712	2.36E-02	3.91E-03	2.89E-03
1591	609793.5	4170702	2.40E-02	3.98E-03	2.94E-03
1592	609793.6	4170693	2.43E-02	4.03E-03	2.98E-03
1593	609793.8	4170684	2.45E-02	4.07E-03	3.00E-03
1594	609793.9	4170674	2.46E-02	4.09E-03	3.02E-03
1595	609794.1	4170665	2.46E-02	4.08E-03	3.01E-03
1596	609794.2	4170655	2.44E-02	4.05E-03	2.99E-03
1597	609794.3	4170646	2.41E-02	4.01E-03	2.96E-03
1598	609794.5	4170636	2.37E-02	3.93E-03	2.90E-03
1599	609794.6	4170627	2.31E-02	3.84E-03	2.83E-03
1600	609799.5	4170739	2.10E-02	3.48E-03	2.57E-03
1601	609792.5	4170756	2.08E-02	3.45E-03	2.55E-03
1602	609785.4	4170772	2.04E-02	3.39E-03	2.50E-03
1603	609778.4	4170788	1.98E-02	3.29E-03	2.43E-03
1604	609771.3	4170805	1.90E-02	3.16E-03	2.34E-03
1605	609764.3	4170821	1.82E-02	3.02E-03	2.23E-03
1606	609757.2	4170838	1.72E-02	2.85E-03	2.10E-03

1607	609750.2	4170854	1.61E-02	2.67E-03	1.97E-03
1608	609734.8	4170874	1.52E-02	2.52E-03	1.86E-03
1609	609718.3	4170881	1.54E-02	2.56E-03	1.89E-03
1610	609701.7	4170887	1.55E-02	2.57E-03	1.90E-03
1611	609685.1	4170894	1.54E-02	2.56E-03	1.89E-03
1612	609668.5	4170901	1.52E-02	2.52E-03	1.86E-03
1613	609651.9	4170908	1.48E-02	2.45E-03	1.81E-03
1614	609635.3	4170914	1.42E-02	2.36E-03	1.74E-03
1615	609618.8	4170921	1.35E-02	2.25E-03	1.66E-03
1616	609803.2	4170721	2.15E-02	3.56E-03	2.63E-03
1617	609803.4	4170712	2.19E-02	3.64E-03	2.68E-03
1618	609803.5	4170703	2.23E-02	3.70E-03	2.73E-03
1619	609803.6	4170693	2.26E-02	3.75E-03	2.77E-03
1620	609803.8	4170684	2.27E-02	3.78E-03	2.79E-03
1621	609803.9	4170674	2.28E-02	3.79E-03	2.80E-03
1622	609804.1	4170665	2.28E-02	3.79E-03	2.80E-03
1623	609804.2	4170655	2.27E-02	3.77E-03	2.78E-03
1624	609804.3	4170646	2.25E-02	3.73E-03	2.75E-03
1625	609804.5	4170636	2.21E-02	3.67E-03	2.71E-03
1626	609804.6	4170627	2.16E-02	3.58E-03	2.65E-03
1627	609809.4	4170740	1.96E-02	3.25E-03	2.40E-03
1628	609805.7	4170748	1.95E-02	3.25E-03	2.40E-03
1629	609802	4170757	1.94E-02	3.23E-03	2.38E-03
1630	609798.3	4170766	1.93E-02	3.20E-03	2.36E-03
1631	609794.6	4170774	1.91E-02	3.17E-03	2.34E-03
1632	609790.9	4170783	1.88E-02	3.13E-03	2.31E-03
1633	609787.2	4170791	1.85E-02	3.08E-03	2.27E-03
1634	609783.5	4170800	1.82E-02	3.02E-03	2.23E-03
1635	609779.7	4170809	1.78E-02	2.96E-03	2.19E-03
1636	609776	4170817	1.74E-02	2.89E-03	2.14E-03
1637	609772.3	4170826	1.70E-02	2.82E-03	2.08E-03
1638	609768.6	4170835	1.65E-02	2.74E-03	2.03E-03
1639	609764.9	4170843	1.60E-02	2.67E-03	1.97E-03
1640	609761.2	4170852	1.56E-02	2.58E-03	1.91E-03
1641	609757.5	4170861	1.51E-02	2.50E-03	1.85E-03
1642	609753.8	4170869	1.45E-02	2.42E-03	1.78E-03
1643	609741.4	4170881	1.42E-02	2.36E-03	1.74E-03
1644	609732.7	4170885	1.43E-02	2.37E-03	1.75E-03
1645	609724	4170888	1.44E-02	2.39E-03	1.76E-03
1646	609715.3	4170892	1.44E-02	2.40E-03	1.77E-03
1647	609706.6	4170895	1.44E-02	2.40E-03	1.77E-03
1648	609697.9	4170899	1.44E-02	2.40E-03	1.77E-03
1649	609689.2	4170903	1.44E-02	2.39E-03	1.76E-03
1650	609680.5	4170906	1.43E-02	2.37E-03	1.75E-03
1651	609671.8	4170910	1.41E-02	2.35E-03	1.73E-03
1652	609663.1	4170913	1.40E-02	2.32E-03	1.71E-03
1653	609654.4	4170917	1.37E-02	2.28E-03	1.68E-03
1654	609645.7	4170920	1.35E-02	2.24E-03	1.65E-03
1655	609637	4170924	1.32E-02	2.19E-03	1.62E-03
1656	609628.3	4170927	1.29E-02	2.14E-03	1.58E-03
1657	609619.6	4170931	1.25E-02	2.08E-03	1.54E-03
1658	609813.1	4170731	1.96E-02	3.25E-03	2.40E-03

1659	609813.2	4170722	2.00E-02	3.33E-03	2.46E-03
1660	609813.4	4170712	2.04E-02	3.39E-03	2.50E-03
1661	609813.5	4170703	2.07E-02	3.45E-03	2.54E-03
1662	609813.6	4170693	2.10E-02	3.49E-03	2.57E-03
1663	609813.8	4170684	2.12E-02	3.52E-03	2.60E-03
1664	609813.9	4170674	2.13E-02	3.53E-03	2.61E-03
1665	609814.1	4170665	2.13E-02	3.53E-03	2.61E-03
1666	609814.2	4170655	2.12E-02	3.51E-03	2.59E-03
1667	609814.3	4170646	2.10E-02	3.48E-03	2.57E-03
1668	609814.5	4170637	2.06E-02	3.43E-03	2.53E-03
1669	609814.6	4170627	2.02E-02	3.36E-03	2.48E-03
1670	609819.4	4170740	1.84E-02	3.05E-03	2.25E-03
1671	609815.7	4170748	1.83E-02	3.04E-03	2.25E-03
1672	609812.1	4170757	1.82E-02	3.03E-03	2.24E-03
1673	609808.4	4170765	1.81E-02	3.01E-03	2.22E-03
1674	609804.8	4170774	1.79E-02	2.98E-03	2.20E-03
1675	609801.1	4170782	1.77E-02	2.95E-03	2.18E-03
1676	609797.4	4170791	1.75E-02	2.91E-03	2.15E-03
1677	609793.8	4170800	1.72E-02	2.86E-03	2.11E-03
1678	609790.1	4170808	1.69E-02	2.81E-03	2.07E-03
1679	609786.4	4170817	1.66E-02	2.75E-03	2.03E-03
1680	609782.8	4170825	1.62E-02	2.69E-03	1.98E-03
1681	609779.1	4170834	1.58E-02	2.62E-03	1.93E-03
1682	609775.4	4170842	1.54E-02	2.55E-03	1.88E-03
1683	609771.8	4170851	1.49E-02	2.48E-03	1.83E-03
1684	609768.1	4170859	1.45E-02	2.41E-03	1.78E-03
1685	609764.5	4170868	1.40E-02	2.33E-03	1.72E-03
1686	609760.8	4170876	1.36E-02	2.26E-03	1.67E-03
1687	609748.5	4170888	1.33E-02	2.20E-03	1.63E-03
1688	609739.9	4170892	1.34E-02	2.22E-03	1.64E-03
1689	609731.3	4170895	1.35E-02	2.23E-03	1.65E-03
1690	609722.7	4170899	1.35E-02	2.24E-03	1.66E-03
1691	609714.1	4170902	1.35E-02	2.25E-03	1.66E-03
1692	609705.5	4170906	1.35E-02	2.24E-03	1.66E-03
1693	609696.8	4170909	1.35E-02	2.24E-03	1.65E-03
1694	609688.2	4170913	1.34E-02	2.22E-03	1.64E-03
1695	609679.6	4170916	1.33E-02	2.21E-03	1.63E-03
1696	609671	4170920	1.31E-02	2.18E-03	1.61E-03
1697	609662.4	4170923	1.30E-02	2.15E-03	1.59E-03
1698	609653.8	4170927	1.27E-02	2.12E-03	1.56E-03
1699	609645.2	4170930	1.25E-02	2.08E-03	1.53E-03
1700	609636.5	4170934	1.22E-02	2.03E-03	1.50E-03
1701	609627.9	4170937	1.19E-02	1.98E-03	1.46E-03
1702	609619.3	4170941	1.16E-02	1.93E-03	1.42E-03
1703	609823.1	4170731	1.83E-02	3.05E-03	2.25E-03
1704	609823.2	4170722	1.87E-02	3.11E-03	2.30E-03
1705	609823.4	4170712	1.91E-02	3.17E-03	2.34E-03
1706	609823.5	4170703	1.94E-02	3.22E-03	2.38E-03
1707	609823.6	4170693	1.96E-02	3.26E-03	2.40E-03
1708	609823.8	4170684	1.98E-02	3.28E-03	2.42E-03
1709	609823.9	4170675	1.98E-02	3.30E-03	2.43E-03
1710	609824.1	4170665	1.99E-02	3.30E-03	2.43E-03

1711	609824.2	4170656	1.98E-02	3.28E-03	2.42E-03
1712	609824.3	4170646	1.96E-02	3.26E-03	2.40E-03
1713	609824.5	4170637	1.93E-02	3.21E-03	2.37E-03
1714	609824.6	4170627	1.90E-02	3.15E-03	2.33E-03
1715	609829.4	4170740	1.72E-02	2.86E-03	2.11E-03
1716	609825.8	4170748	1.72E-02	2.86E-03	2.11E-03
1717	609822.2	4170757	1.71E-02	2.85E-03	2.10E-03
1718	609818.6	4170765	1.70E-02	2.83E-03	2.09E-03
1719	609814.9	4170774	1.69E-02	2.81E-03	2.07E-03
1720	609811.3	4170782	1.67E-02	2.78E-03	2.05E-03
1721	609807.7	4170791	1.65E-02	2.75E-03	2.03E-03
1722	609804	4170799	1.63E-02	2.71E-03	2.00E-03
1723	609800.4	4170807	1.60E-02	2.66E-03	1.97E-03
1724	609796.8	4170816	1.57E-02	2.61E-03	1.93E-03
1725	609793.2	4170824	1.54E-02	2.56E-03	1.89E-03
1726	609789.5	4170833	1.51E-02	2.50E-03	1.85E-03
1727	609785.9	4170841	1.47E-02	2.44E-03	1.80E-03
1728	609782.3	4170850	1.43E-02	2.38E-03	1.76E-03
1729	609778.6	4170858	1.39E-02	2.32E-03	1.71E-03
1730	609775	4170867	1.35E-02	2.25E-03	1.66E-03
1731	609771.4	4170875	1.31E-02	2.18E-03	1.61E-03
1732	609767.8	4170884	1.27E-02	2.11E-03	1.56E-03
1733	609755.6	4170896	1.24E-02	2.07E-03	1.53E-03
1734	609747.1	4170899	1.25E-02	2.08E-03	1.54E-03
1735	609738.5	4170902	1.26E-02	2.09E-03	1.55E-03
1736	609730	4170906	1.27E-02	2.10E-03	1.55E-03
1737	609721.5	4170909	1.27E-02	2.11E-03	1.55E-03
1738	609712.9	4170913	1.27E-02	2.11E-03	1.55E-03
1739	609704.4	4170916	1.26E-02	2.10E-03	1.55E-03
1740	609695.9	4170920	1.26E-02	2.09E-03	1.54E-03
1741	609687.4	4170923	1.25E-02	2.08E-03	1.53E-03
1742	609678.8	4170927	1.24E-02	2.06E-03	1.52E-03
1743	609670.3	4170930	1.22E-02	2.03E-03	1.50E-03
1744	609661.8	4170934	1.20E-02	2.00E-03	1.48E-03
1745	609653.2	4170937	1.18E-02	1.97E-03	1.45E-03
1746	609644.7	4170941	1.16E-02	1.93E-03	1.42E-03
1747	609636.2	4170944	1.14E-02	1.89E-03	1.39E-03
1748	609627.6	4170947	1.11E-02	1.84E-03	1.36E-03
1749	609619.1	4170951	1.08E-02	1.79E-03	1.32E-03
1750	609833.1	4170731	1.72E-02	2.86E-03	2.11E-03
1751	609833.2	4170722	1.76E-02	2.92E-03	2.15E-03
1752	609833.4	4170712	1.79E-02	2.97E-03	2.19E-03
1753	609833.5	4170703	1.81E-02	3.01E-03	2.22E-03
1754	609833.6	4170694	1.83E-02	3.05E-03	2.25E-03
1755	609833.8	4170684	1.85E-02	3.07E-03	2.27E-03
1756	609833.9	4170675	1.86E-02	3.09E-03	2.28E-03
1757	609834.1	4170665	1.86E-02	3.09E-03	2.28E-03
1758	609834.2	4170656	1.85E-02	3.08E-03	2.27E-03
1759	609834.3	4170646	1.84E-02	3.05E-03	2.25E-03
1760	609834.5	4170637	1.82E-02	3.02E-03	2.23E-03
1761	609834.6	4170627	1.78E-02	2.96E-03	2.19E-03
1762	609839.5	4170740	1.62E-02	2.69E-03	1.99E-03

1763	609835.9	4170748	1.62E-02	2.69E-03	1.99E-03
1764	609832.3	4170757	1.62E-02	2.68E-03	1.98E-03
1765	609828.7	4170765	1.61E-02	2.67E-03	1.97E-03
1766	609825.1	4170773	1.60E-02	2.65E-03	1.96E-03
1767	609817.9	4170790	1.56E-02	2.60E-03	1.92E-03
1768	609810.7	4170807	1.52E-02	2.53E-03	1.86E-03
1769	609803.5	4170824	1.47E-02	2.44E-03	1.80E-03
1770	609799.9	4170832	1.44E-02	2.39E-03	1.76E-03
1771	609796.3	4170840	1.41E-02	2.34E-03	1.72E-03
1772	609792.7	4170849	1.37E-02	2.28E-03	1.68E-03
1773	609785.5	4170866	1.30E-02	2.17E-03	1.60E-03
1774	609778.3	4170882	1.23E-02	2.05E-03	1.51E-03
1775	609762.7	4170903	1.17E-02	1.94E-03	1.43E-03
1776	609754.2	4170906	1.18E-02	1.96E-03	1.44E-03
1777	609745.8	4170910	1.18E-02	1.97E-03	1.45E-03
1778	609737.3	4170913	1.19E-02	1.98E-03	1.46E-03
1779	609728.9	4170916	1.19E-02	1.98E-03	1.46E-03
1780	609720.4	4170920	1.19E-02	1.98E-03	1.46E-03
1781	609711.9	4170923	1.19E-02	1.98E-03	1.46E-03
1782	609703.5	4170927	1.18E-02	1.97E-03	1.45E-03
1783	609695	4170930	1.18E-02	1.96E-03	1.44E-03
1784	609686.6	4170934	1.17E-02	1.94E-03	1.43E-03
1785	609678.1	4170937	1.15E-02	1.92E-03	1.42E-03
1786	609669.7	4170940	1.14E-02	1.89E-03	1.40E-03
1787	609661.2	4170944	1.12E-02	1.86E-03	1.38E-03
1788	609652.7	4170947	1.10E-02	1.83E-03	1.35E-03
1789	609644.3	4170951	1.08E-02	1.79E-03	1.32E-03
1790	609635.8	4170954	1.06E-02	1.75E-03	1.30E-03
1791	609627.4	4170958	1.03E-02	1.71E-03	1.26E-03
1792	609618.9	4170961	1.00E-02	1.67E-03	1.23E-03
1793	609843.1	4170731	1.62E-02	2.69E-03	1.98E-03
1794	609843.2	4170722	1.65E-02	2.74E-03	2.02E-03
1795	609843.4	4170713	1.68E-02	2.79E-03	2.06E-03
1796	609843.5	4170703	1.70E-02	2.83E-03	2.09E-03
1797	609843.6	4170694	1.72E-02	2.86E-03	2.11E-03
1798	609843.8	4170684	1.73E-02	2.88E-03	2.13E-03
1799	609843.9	4170675	1.74E-02	2.89E-03	2.13E-03
1800	609844.1	4170665	1.74E-02	2.89E-03	2.14E-03
1801	609844.2	4170656	1.74E-02	2.89E-03	2.13E-03
1802	609844.3	4170647	1.73E-02	2.87E-03	2.12E-03
1803	609844.5	4170637	1.71E-02	2.83E-03	2.09E-03
1804	609844.6	4170628	1.68E-02	2.79E-03	2.06E-03
1805	609849.5	4170740	1.53E-02	2.54E-03	1.87E-03
1806	609842.4	4170757	1.52E-02	2.53E-03	1.87E-03
1807	609838.8	4170765	1.52E-02	2.52E-03	1.86E-03
1808	609831.7	4170782	1.50E-02	2.48E-03	1.83E-03
1809	609824.5	4170798	1.46E-02	2.43E-03	1.79E-03
1810	609817.4	4170815	1.42E-02	2.36E-03	1.74E-03
1811	609813.8	4170823	1.40E-02	2.32E-03	1.71E-03
1812	609806.7	4170840	1.35E-02	2.23E-03	1.65E-03
1813	609799.5	4170856	1.29E-02	2.14E-03	1.58E-03
1814	609792.4	4170873	1.22E-02	2.03E-03	1.50E-03

1815	609788.8	4170881	1.19E-02	1.98E-03	1.46E-03
1816	609781.7	4170898	1.12E-02	1.87E-03	1.38E-03
1817	609769.7	4170910	1.10E-02	1.83E-03	1.35E-03
1818	609761.4	4170913	1.11E-02	1.84E-03	1.36E-03
1819	609753	4170917	1.12E-02	1.85E-03	1.37E-03
1820	609744.6	4170920	1.12E-02	1.86E-03	1.37E-03
1821	609727.8	4170927	1.12E-02	1.86E-03	1.38E-03
1822	609719.4	4170930	1.12E-02	1.86E-03	1.37E-03
1823	609702.6	4170937	1.11E-02	1.85E-03	1.36E-03
1824	609694.2	4170940	1.10E-02	1.83E-03	1.35E-03
1825	609677.5	4170947	1.08E-02	1.79E-03	1.32E-03
1826	609660.7	4170954	1.05E-02	1.74E-03	1.28E-03
1827	609652.3	4170957	1.03E-02	1.71E-03	1.26E-03
1828	609643.9	4170961	1.01E-02	1.67E-03	1.24E-03
1829	609635.5	4170964	9.85E-03	1.64E-03	1.21E-03
1830	609627.1	4170968	9.61E-03	1.60E-03	1.18E-03
1831	609853.1	4170732	1.52E-02	2.53E-03	1.87E-03
1832	609853.2	4170722	1.55E-02	2.58E-03	1.90E-03
1833	609853.4	4170713	1.58E-02	2.62E-03	1.94E-03
1834	609853.5	4170703	1.60E-02	2.66E-03	1.96E-03
1835	609853.6	4170694	1.62E-02	2.68E-03	1.98E-03
1836	609853.8	4170684	1.63E-02	2.70E-03	1.99E-03
1837	609853.9	4170675	1.63E-02	2.71E-03	2.00E-03
1838	609854.1	4170666	1.63E-02	2.71E-03	2.00E-03
1839	609854.2	4170656	1.63E-02	2.71E-03	2.00E-03
1840	609854.3	4170647	1.62E-02	2.69E-03	1.99E-03
1841	609854.5	4170637	1.60E-02	2.66E-03	1.97E-03
1842	609854.6	4170628	1.58E-02	2.63E-03	1.94E-03
1843	609859.4	4170740	1.44E-02	2.40E-03	1.77E-03
1844	609855.6	4170749	1.44E-02	2.40E-03	1.77E-03
1845	609851.9	4170758	1.44E-02	2.39E-03	1.76E-03
1846	609848.2	4170766	1.43E-02	2.38E-03	1.76E-03
1847	609844.5	4170775	1.42E-02	2.37E-03	1.75E-03
1848	609840.8	4170784	1.41E-02	2.35E-03	1.73E-03
1849	609837.1	4170792	1.40E-02	2.32E-03	1.72E-03
1850	609833.4	4170801	1.38E-02	2.30E-03	1.69E-03
1851	609829.7	4170810	1.36E-02	2.27E-03	1.67E-03
1852	609826	4170818	1.34E-02	2.23E-03	1.65E-03
1853	609822.2	4170827	1.32E-02	2.20E-03	1.62E-03
1854	609818.5	4170836	1.30E-02	2.15E-03	1.59E-03
1855	609814.8	4170844	1.27E-02	2.11E-03	1.56E-03
1856	609811.1	4170853	1.24E-02	2.07E-03	1.53E-03
1857	609807.4	4170862	1.22E-02	2.02E-03	1.49E-03
1858	609803.7	4170870	1.19E-02	1.97E-03	1.45E-03
1859	609800	4170879	1.16E-02	1.92E-03	1.42E-03
1860	609796.3	4170888	1.12E-02	1.87E-03	1.38E-03
1861	609792.6	4170896	1.09E-02	1.82E-03	1.34E-03
1862	609788.8	4170905	1.06E-02	1.76E-03	1.30E-03
1863	609776.4	4170917	1.04E-02	1.72E-03	1.27E-03
1864	609767.7	4170921	1.05E-02	1.74E-03	1.28E-03
1865	609759	4170924	1.05E-02	1.75E-03	1.29E-03
1866	609750.2	4170928	1.06E-02	1.76E-03	1.30E-03

1867	609741.5	4170931	1.06E-02	1.76E-03	1.30E-03
1868	609732.8	4170935	1.06E-02	1.76E-03	1.30E-03
1869	609724.1	4170938	1.06E-02	1.76E-03	1.30E-03
1870	609715.3	4170942	1.05E-02	1.75E-03	1.29E-03
1871	609706.6	4170945	1.05E-02	1.74E-03	1.28E-03
1872	609697.9	4170949	1.04E-02	1.73E-03	1.27E-03
1873	609689.2	4170952	1.03E-02	1.71E-03	1.26E-03
1874	609680.4	4170956	1.02E-02	1.69E-03	1.25E-03
1875	609671.7	4170960	1.00E-02	1.66E-03	1.23E-03
1876	609663	4170963	9.85E-03	1.64E-03	1.21E-03
1877	609654.3	4170967	9.67E-03	1.61E-03	1.19E-03
1878	609645.5	4170970	9.46E-03	1.57E-03	1.16E-03
1879	609636.8	4170974	9.24E-03	1.53E-03	1.13E-03
1880	609628.1	4170977	9.00E-03	1.50E-03	1.10E-03
1881	609619.4	4170981	8.76E-03	1.45E-03	1.07E-03
1882	609863.1	4170732	1.44E-02	2.39E-03	1.76E-03
1883	609863.2	4170722	1.46E-02	2.43E-03	1.80E-03
1884	609863.3	4170713	1.49E-02	2.47E-03	1.82E-03
1885	609863.5	4170703	1.51E-02	2.50E-03	1.85E-03
1886	609863.6	4170694	1.52E-02	2.53E-03	1.86E-03
1887	609863.8	4170685	1.53E-02	2.54E-03	1.87E-03
1888	609863.9	4170675	1.53E-02	2.54E-03	1.88E-03
1889	609864.1	4170666	1.53E-02	2.55E-03	1.88E-03
1890	609864.2	4170656	1.53E-02	2.55E-03	1.88E-03
1891	609864.3	4170647	1.52E-02	2.53E-03	1.87E-03
1892	609864.5	4170637	1.51E-02	2.51E-03	1.85E-03
1893	609864.6	4170628	1.49E-02	2.48E-03	1.83E-03
1894	609869.4	4170740	1.36E-02	2.27E-03	1.67E-03
1895	609865.7	4170749	1.36E-02	2.27E-03	1.67E-03
1896	609862	4170758	1.36E-02	2.26E-03	1.67E-03
1897	609858.4	4170766	1.36E-02	2.25E-03	1.66E-03
1898	609854.7	4170775	1.35E-02	2.24E-03	1.66E-03
1899	609851	4170783	1.34E-02	2.23E-03	1.64E-03
1900	609847.3	4170792	1.33E-02	2.21E-03	1.63E-03
1901	609843.6	4170801	1.31E-02	2.18E-03	1.61E-03
1902	609840	4170809	1.30E-02	2.16E-03	1.59E-03
1903	609836.3	4170818	1.28E-02	2.13E-03	1.57E-03
1904	609832.6	4170826	1.26E-02	2.10E-03	1.55E-03
1905	609828.9	4170835	1.24E-02	2.06E-03	1.52E-03
1906	609825.2	4170843	1.22E-02	2.02E-03	1.49E-03
1907	609821.6	4170852	1.19E-02	1.98E-03	1.46E-03
1908	609817.9	4170861	1.17E-02	1.94E-03	1.43E-03
1909	609814.2	4170869	1.14E-02	1.90E-03	1.40E-03
1910	609810.5	4170878	1.12E-02	1.85E-03	1.37E-03
1911	609806.9	4170886	1.09E-02	1.81E-03	1.33E-03
1912	609803.2	4170895	1.06E-02	1.76E-03	1.30E-03
1913	609799.5	4170903	1.03E-02	1.71E-03	1.26E-03
1914	609795.8	4170912	1.00E-02	1.66E-03	1.23E-03
1915	609783.5	4170924	9.82E-03	1.63E-03	1.20E-03
1916	609774.8	4170928	9.89E-03	1.64E-03	1.21E-03
1917	609766.2	4170931	9.94E-03	1.65E-03	1.22E-03
1918	609757.5	4170935	9.98E-03	1.66E-03	1.22E-03

1919	609748.9	4170938	1.00E-02	1.66E-03	1.23E-03
1920	609740.2	4170942	1.00E-02	1.66E-03	1.23E-03
1921	609731.6	4170945	1.00E-02	1.66E-03	1.23E-03
1922	609722.9	4170949	9.97E-03	1.66E-03	1.22E-03
1923	609714.3	4170952	9.92E-03	1.65E-03	1.22E-03
1924	609705.7	4170956	9.85E-03	1.64E-03	1.21E-03
1925	609697	4170959	9.76E-03	1.62E-03	1.20E-03
1926	609688.4	4170963	9.66E-03	1.60E-03	1.18E-03
1927	609679.7	4170966	9.53E-03	1.58E-03	1.17E-03
1928	609671.1	4170970	9.39E-03	1.56E-03	1.15E-03
1929	609662.4	4170973	9.23E-03	1.53E-03	1.13E-03
1930	609653.8	4170977	9.05E-03	1.50E-03	1.11E-03
1931	609645.1	4170980	8.85E-03	1.47E-03	1.09E-03
1932	609636.5	4170984	8.64E-03	1.44E-03	1.06E-03
1933	609627.8	4170987	8.42E-03	1.40E-03	1.03E-03
1934	609619.2	4170991	8.19E-03	1.36E-03	1.00E-03
1935	609873.1	4170732	1.36E-02	2.26E-03	1.67E-03
1936	609873.2	4170722	1.38E-02	2.30E-03	1.70E-03
1937	609873.3	4170713	1.40E-02	2.33E-03	1.72E-03
1938	609873.5	4170704	1.42E-02	2.36E-03	1.74E-03
1939	609873.6	4170694	1.43E-02	2.38E-03	1.76E-03
1940	609873.8	4170685	1.44E-02	2.39E-03	1.77E-03
1941	609873.9	4170675	1.45E-02	2.40E-03	1.77E-03
1942	609874.1	4170666	1.45E-02	2.41E-03	1.78E-03
1943	609874.2	4170656	1.45E-02	2.40E-03	1.77E-03
1944	609874.3	4170647	1.44E-02	2.39E-03	1.77E-03
1945	609874.5	4170638	1.43E-02	2.37E-03	1.75E-03
1946	609874.6	4170628	1.41E-02	2.35E-03	1.73E-03
1947	609879.4	4170741	1.29E-02	2.15E-03	1.58E-03
1948	609875.8	4170749	1.29E-02	2.15E-03	1.58E-03
1949	609872.1	4170758	1.29E-02	2.14E-03	1.58E-03
1950	609868.5	4170766	1.29E-02	2.14E-03	1.58E-03
1951	609864.8	4170775	1.28E-02	2.13E-03	1.57E-03
1952	609861.2	4170783	1.27E-02	2.11E-03	1.56E-03
1953	609857.5	4170792	1.26E-02	2.10E-03	1.55E-03
1954	609853.9	4170800	1.25E-02	2.08E-03	1.53E-03
1955	609850.2	4170809	1.24E-02	2.05E-03	1.52E-03
1956	609846.6	4170817	1.22E-02	2.03E-03	1.50E-03
1957	609842.9	4170826	1.21E-02	2.00E-03	1.48E-03
1958	609839.3	4170834	1.19E-02	1.97E-03	1.46E-03
1959	609835.6	4170843	1.17E-02	1.94E-03	1.43E-03
1960	609832	4170851	1.15E-02	1.90E-03	1.40E-03
1961	609828.3	4170860	1.12E-02	1.87E-03	1.38E-03
1962	609824.7	4170868	1.10E-02	1.83E-03	1.35E-03
1963	609821	4170877	1.08E-02	1.79E-03	1.32E-03
1964	609817.4	4170885	1.05E-02	1.75E-03	1.29E-03
1965	609813.7	4170894	1.03E-02	1.71E-03	1.26E-03
1966	609810.1	4170902	1.00E-02	1.66E-03	1.23E-03
1967	609806.4	4170911	9.75E-03	1.62E-03	1.19E-03
1968	609802.8	4170919	9.48E-03	1.57E-03	1.16E-03
1969	609790.6	4170931	9.29E-03	1.54E-03	1.14E-03
1970	609782	4170935	9.36E-03	1.55E-03	1.15E-03

1971	609773.4	4170938	9.41E-03	1.56E-03	1.15E-03
1972	609764.8	4170942	9.45E-03	1.57E-03	1.16E-03
1973	609756.2	4170945	9.47E-03	1.57E-03	1.16E-03
1974	609747.7	4170949	9.48E-03	1.57E-03	1.16E-03
1975	609739.1	4170952	9.47E-03	1.57E-03	1.16E-03
1976	609730.5	4170956	9.45E-03	1.57E-03	1.16E-03
1977	609721.9	4170959	9.41E-03	1.56E-03	1.15E-03
1978	609713.4	4170963	9.35E-03	1.55E-03	1.15E-03
1979	609704.8	4170966	9.27E-03	1.54E-03	1.14E-03
1980	609696.2	4170970	9.18E-03	1.53E-03	1.13E-03
1981	609687.6	4170973	9.08E-03	1.51E-03	1.11E-03
1982	609679	4170977	8.95E-03	1.49E-03	1.10E-03
1983	609670.5	4170980	8.81E-03	1.46E-03	1.08E-03
1984	609661.9	4170983	8.65E-03	1.44E-03	1.06E-03
1985	609653.3	4170987	8.48E-03	1.41E-03	1.04E-03
1986	609644.7	4170990	8.30E-03	1.38E-03	1.02E-03
1987	609636.1	4170994	8.10E-03	1.35E-03	9.94E-04
1988	609627.6	4170997	7.90E-03	1.31E-03	9.68E-04
1989	609619	4171001	7.68E-03	1.28E-03	9.42E-04
1990	609883.1	4170732	1.29E-02	2.14E-03	1.58E-03
1991	609883.2	4170723	1.31E-02	2.18E-03	1.61E-03
1992	609883.3	4170713	1.33E-02	2.21E-03	1.63E-03
1993	609883.5	4170704	1.34E-02	2.23E-03	1.65E-03
1994	609883.6	4170694	1.36E-02	2.25E-03	1.66E-03
1995	609883.8	4170685	1.36E-02	2.26E-03	1.67E-03
1996	609883.9	4170675	1.37E-02	2.27E-03	1.67E-03
1997	609884.1	4170666	1.37E-02	2.27E-03	1.68E-03
1998	609884.2	4170657	1.37E-02	2.27E-03	1.68E-03
1999	609884.3	4170647	1.36E-02	2.26E-03	1.67E-03
2000	609884.5	4170638	1.35E-02	2.25E-03	1.66E-03
2001	609884.6	4170628	1.34E-02	2.23E-03	1.64E-03
2002	609889.4	4170741	1.23E-02	2.03E-03	1.50E-03
2003	609885.8	4170749	1.23E-02	2.04E-03	1.50E-03
2004	609882.2	4170758	1.23E-02	2.04E-03	1.50E-03
2005	609878.6	4170766	1.22E-02	2.03E-03	1.50E-03
2006	609875	4170774	1.22E-02	2.02E-03	1.49E-03
2007	609871.3	4170783	1.21E-02	2.01E-03	1.48E-03
2008	609867.7	4170791	1.20E-02	2.00E-03	1.47E-03
2009	609864.1	4170800	1.19E-02	1.98E-03	1.46E-03
2010	609860.5	4170808	1.18E-02	1.96E-03	1.45E-03
2011	609856.8	4170817	1.17E-02	1.94E-03	1.43E-03
2012	609853.2	4170825	1.15E-02	1.91E-03	1.41E-03
2013	609849.6	4170834	1.14E-02	1.89E-03	1.39E-03
2014	609846	4170842	1.12E-02	1.86E-03	1.37E-03
2015	609842.4	4170850	1.10E-02	1.83E-03	1.35E-03
2016	609838.7	4170859	1.08E-02	1.79E-03	1.32E-03
2017	609835.1	4170867	1.06E-02	1.76E-03	1.30E-03
2018	609831.5	4170876	1.04E-02	1.72E-03	1.27E-03
2019	609827.9	4170884	1.02E-02	1.69E-03	1.25E-03
2020	609824.2	4170893	9.93E-03	1.65E-03	1.22E-03
2021	609820.6	4170901	9.70E-03	1.61E-03	1.19E-03
2022	609817	4170910	9.47E-03	1.57E-03	1.16E-03

2023	609813.4	4170918	9.23E-03	1.53E-03	1.13E-03
2024	609809.8	4170926	8.98E-03	1.49E-03	1.10E-03
2025	609797.6	4170938	8.81E-03	1.46E-03	1.08E-03
2026	609789.1	4170942	8.87E-03	1.47E-03	1.09E-03
2027	609780.6	4170945	8.92E-03	1.48E-03	1.09E-03
2028	609772.1	4170949	8.95E-03	1.49E-03	1.10E-03
2029	609763.6	4170952	8.98E-03	1.49E-03	1.10E-03
2030	609755.1	4170956	8.99E-03	1.49E-03	1.10E-03
2031	609746.5	4170959	8.98E-03	1.49E-03	1.10E-03
2032	609738	4170963	8.96E-03	1.49E-03	1.10E-03
2033	609729.5	4170966	8.93E-03	1.48E-03	1.09E-03
2034	609721	4170969	8.88E-03	1.48E-03	1.09E-03
2035	609712.5	4170973	8.82E-03	1.46E-03	1.08E-03
2036	609704	4170976	8.74E-03	1.45E-03	1.07E-03
2037	609695.4	4170980	8.65E-03	1.44E-03	1.06E-03
2038	609686.9	4170983	8.54E-03	1.42E-03	1.05E-03
2039	609678.4	4170987	8.42E-03	1.40E-03	1.03E-03
2040	609669.9	4170990	8.28E-03	1.38E-03	1.02E-03
2041	609661.4	4170994	8.13E-03	1.35E-03	9.97E-04
2042	609652.9	4170997	7.97E-03	1.32E-03	9.77E-04
2043	609644.4	4171001	7.79E-03	1.29E-03	9.56E-04
2044	609635.8	4171004	7.61E-03	1.26E-03	9.33E-04
2045	609627.3	4171007	7.42E-03	1.23E-03	9.09E-04
2046	609618.8	4171011	7.22E-03	1.20E-03	8.85E-04
2047	609893.1	4170732	1.22E-02	2.03E-03	1.50E-03
2048	609893.2	4170723	1.24E-02	2.06E-03	1.52E-03
2049	609893.3	4170713	1.26E-02	2.09E-03	1.54E-03
2050	609893.5	4170704	1.27E-02	2.12E-03	1.56E-03
2051	609893.6	4170694	1.28E-02	2.13E-03	1.57E-03
2052	609893.8	4170685	1.29E-02	2.14E-03	1.58E-03
2053	609893.9	4170676	1.29E-02	2.15E-03	1.59E-03
2054	609894.1	4170666	1.30E-02	2.15E-03	1.59E-03
2055	609894.2	4170657	1.30E-02	2.15E-03	1.59E-03
2056	609894.3	4170647	1.29E-02	2.15E-03	1.58E-03
2057	609894.5	4170638	1.28E-02	2.13E-03	1.57E-03
2058	609894.6	4170628	1.27E-02	2.11E-03	1.56E-03
2059	609899.5	4170741	1.16E-02	1.93E-03	1.43E-03
2060	609895.9	4170749	1.16E-02	1.94E-03	1.43E-03
2061	609892.3	4170758	1.16E-02	1.93E-03	1.43E-03
2062	609888.7	4170766	1.16E-02	1.93E-03	1.42E-03
2063	609885.1	4170774	1.16E-02	1.92E-03	1.42E-03
2064	609881.5	4170783	1.15E-02	1.91E-03	1.41E-03
2065	609877.9	4170791	1.15E-02	1.90E-03	1.40E-03
2066	609874.3	4170799	1.14E-02	1.89E-03	1.39E-03
2067	609870.7	4170808	1.13E-02	1.87E-03	1.38E-03
2068	609867.1	4170816	1.11E-02	1.85E-03	1.37E-03
2069	609859.9	4170833	1.09E-02	1.81E-03	1.33E-03
2070	609856.3	4170841	1.07E-02	1.78E-03	1.31E-03
2071	609852.7	4170850	1.06E-02	1.75E-03	1.29E-03
2072	609849.1	4170858	1.04E-02	1.72E-03	1.27E-03
2073	609845.5	4170867	1.02E-02	1.69E-03	1.25E-03
2074	609841.9	4170875	1.00E-02	1.66E-03	1.23E-03

2075	609838.3	4170883	9.81E-03	1.63E-03	1.20E-03
2076	609834.7	4170892	9.61E-03	1.60E-03	1.18E-03
2077	609827.5	4170909	9.19E-03	1.53E-03	1.13E-03
2078	609823.9	4170917	8.97E-03	1.49E-03	1.10E-03
2079	609820.3	4170925	8.75E-03	1.45E-03	1.07E-03
2080	609816.7	4170934	8.53E-03	1.42E-03	1.05E-03
2081	609804.7	4170945	8.37E-03	1.39E-03	1.03E-03
2082	609796.2	4170949	8.42E-03	1.40E-03	1.03E-03
2083	609787.8	4170952	8.47E-03	1.41E-03	1.04E-03
2084	609779.3	4170956	8.50E-03	1.41E-03	1.04E-03
2085	609770.9	4170959	8.52E-03	1.42E-03	1.04E-03
2086	609762.4	4170963	8.53E-03	1.42E-03	1.05E-03
2087	609753.9	4170966	8.53E-03	1.42E-03	1.05E-03
2088	609745.5	4170970	8.52E-03	1.41E-03	1.04E-03
2089	609737	4170973	8.49E-03	1.41E-03	1.04E-03
2090	609728.6	4170976	8.45E-03	1.40E-03	1.04E-03
2091	609720.1	4170980	8.40E-03	1.39E-03	1.03E-03
2092	609711.7	4170983	8.33E-03	1.38E-03	1.02E-03
2093	609703.2	4170987	8.25E-03	1.37E-03	1.01E-03
2094	609694.8	4170990	8.15E-03	1.35E-03	1.00E-03
2095	609686.3	4170994	8.05E-03	1.34E-03	9.86E-04
2096	609677.8	4170997	7.93E-03	1.32E-03	9.72E-04
2097	609669.4	4171000	7.79E-03	1.29E-03	9.55E-04
2098	609660.9	4171004	7.65E-03	1.27E-03	9.38E-04
2099	609652.5	4171007	7.49E-03	1.24E-03	9.19E-04
2100	609644	4171011	7.33E-03	1.22E-03	8.99E-04
2101	609635.6	4171014	7.16E-03	1.19E-03	8.78E-04
2102	609627.1	4171018	6.98E-03	1.16E-03	8.55E-04
2103	609903.1	4170732	1.16E-02	1.93E-03	1.42E-03
2104	609903.2	4170723	1.18E-02	1.96E-03	1.44E-03
2105	609903.3	4170713	1.19E-02	1.98E-03	1.46E-03
2106	609903.5	4170704	1.21E-02	2.00E-03	1.48E-03
2107	609903.6	4170695	1.22E-02	2.02E-03	1.49E-03
2108	609903.8	4170685	1.22E-02	2.03E-03	1.50E-03
2109	609903.9	4170676	1.23E-02	2.04E-03	1.50E-03
2110	609904.1	4170666	1.23E-02	2.04E-03	1.51E-03
2111	609904.2	4170657	1.23E-02	2.04E-03	1.51E-03
2112	609904.3	4170647	1.23E-02	2.04E-03	1.50E-03
2113	609904.5	4170638	1.22E-02	2.02E-03	1.49E-03
2114	609904.6	4170629	1.21E-02	2.01E-03	1.48E-03
2115	609909.3	4170741	1.10E-02	1.84E-03	1.35E-03
2116	609905.6	4170750	1.11E-02	1.84E-03	1.36E-03
2117	609901.9	4170759	1.11E-02	1.84E-03	1.36E-03
2118	609898.2	4170767	1.11E-02	1.84E-03	1.36E-03
2119	609894.5	4170776	1.10E-02	1.83E-03	1.35E-03
2120	609890.8	4170785	1.10E-02	1.82E-03	1.34E-03
2121	609887	4170793	1.09E-02	1.81E-03	1.34E-03
2122	609883.3	4170802	1.08E-02	1.80E-03	1.33E-03
2123	609879.6	4170811	1.07E-02	1.78E-03	1.31E-03
2124	609875.9	4170819	1.06E-02	1.76E-03	1.30E-03
2125	609872.2	4170828	1.05E-02	1.74E-03	1.29E-03
2126	609868.5	4170837	1.03E-02	1.72E-03	1.27E-03

2127	609864.7	4170845	1.02E-02	1.69E-03	1.25E-03
2128	609861	4170854	1.00E-02	1.67E-03	1.23E-03
2129	609857.3	4170863	9.88E-03	1.64E-03	1.21E-03
2130	609853.6	4170871	9.71E-03	1.61E-03	1.19E-03
2131	609849.9	4170880	9.53E-03	1.58E-03	1.17E-03
2132	609846.2	4170889	9.34E-03	1.55E-03	1.14E-03
2133	609842.4	4170897	9.14E-03	1.52E-03	1.12E-03
2134	609838.7	4170906	8.95E-03	1.49E-03	1.10E-03
2135	609835	4170915	8.74E-03	1.45E-03	1.07E-03
2136	609831.3	4170923	8.53E-03	1.42E-03	1.05E-03
2137	609827.6	4170932	8.32E-03	1.38E-03	1.02E-03
2138	609823.9	4170941	8.11E-03	1.35E-03	9.95E-04
2139	609811.4	4170953	7.96E-03	1.32E-03	9.76E-04
2140	609802.7	4170956	8.01E-03	1.33E-03	9.82E-04
2141	609793.9	4170960	8.05E-03	1.34E-03	9.87E-04
2142	609785.2	4170963	8.09E-03	1.34E-03	9.91E-04
2143	609776.5	4170967	8.11E-03	1.35E-03	9.94E-04
2144	609767.7	4170970	8.11E-03	1.35E-03	9.95E-04
2145	609759	4170974	8.11E-03	1.35E-03	9.95E-04
2146	609750.2	4170978	8.10E-03	1.35E-03	9.93E-04
2147	609741.5	4170981	8.07E-03	1.34E-03	9.89E-04
2148	609732.8	4170985	8.03E-03	1.33E-03	9.84E-04
2149	609724	4170988	7.98E-03	1.32E-03	9.78E-04
2150	609715.3	4170992	7.91E-03	1.31E-03	9.70E-04
2151	609706.5	4170995	7.83E-03	1.30E-03	9.60E-04
2152	609697.8	4170999	7.74E-03	1.29E-03	9.49E-04
2153	609689.1	4171002	7.63E-03	1.27E-03	9.36E-04
2154	609680.3	4171006	7.52E-03	1.25E-03	9.22E-04
2155	609671.6	4171009	7.39E-03	1.23E-03	9.06E-04
2156	609662.9	4171013	7.25E-03	1.20E-03	8.89E-04
2157	609654.1	4171017	7.10E-03	1.18E-03	8.70E-04
2158	609645.4	4171020	6.94E-03	1.15E-03	8.51E-04
2159	609913.1	4170733	1.10E-02	1.83E-03	1.35E-03
2160	609913.2	4170723	1.12E-02	1.85E-03	1.37E-03
2161	609913.3	4170714	1.13E-02	1.88E-03	1.39E-03
2162	609913.5	4170704	1.14E-02	1.90E-03	1.40E-03
2163	609913.6	4170695	1.15E-02	1.91E-03	1.41E-03
2164	609913.8	4170685	1.16E-02	1.93E-03	1.42E-03
2165	609913.9	4170676	1.16E-02	1.93E-03	1.43E-03
2166	609914.1	4170666	1.17E-02	1.94E-03	1.43E-03
2167	609914.2	4170657	1.17E-02	1.94E-03	1.43E-03
2168	609914.3	4170648	1.16E-02	1.94E-03	1.43E-03
2169	609914.5	4170638	1.16E-02	1.93E-03	1.42E-03
2170	609914.6	4170629	1.15E-02	1.91E-03	1.41E-03
2171	609691.1	4170600	4.40E-02	7.31E-03	5.40E-03
2172	609700.6	4170597	3.96E-02	6.58E-03	4.86E-03
2173	609710.2	4170594	3.58E-02	5.95E-03	4.39E-03
2174	609719.7	4170592	3.26E-02	5.42E-03	4.00E-03
2175	609729.3	4170589	2.98E-02	4.94E-03	3.65E-03
2176	609730.9	4170600	3.23E-02	5.36E-03	3.95E-03
2177	609738.9	4170586	2.73E-02	4.53E-03	3.34E-03
2178	609740.5	4170597	2.95E-02	4.89E-03	3.61E-03

2179	609748.4	4170583	2.51E-02	4.17E-03	3.08E-03
2180	609750.1	4170594	2.70E-02	4.49E-03	3.32E-03
2181	609758	4170580	2.32E-02	3.86E-03	2.85E-03
2182	609759.6	4170591	2.49E-02	4.14E-03	3.06E-03
2183	609767.5	4170577	2.16E-02	3.58E-03	2.64E-03
2184	609769.2	4170589	2.31E-02	3.83E-03	2.83E-03
2185	609770.9	4170600	2.44E-02	4.05E-03	2.99E-03
2186	609777.1	4170574	2.01E-02	3.34E-03	2.46E-03
2187	609778.8	4170586	2.14E-02	3.56E-03	2.63E-03
2188	609780.4	4170597	2.26E-02	3.76E-03	2.77E-03
2189	609786.7	4170571	1.87E-02	3.11E-03	2.30E-03
2190	609788.3	4170583	1.99E-02	3.31E-03	2.45E-03
2191	609790	4170595	2.10E-02	3.49E-03	2.58E-03
2192	609796.2	4170568	1.75E-02	2.91E-03	2.15E-03
2193	609797.5	4170577	1.84E-02	3.05E-03	2.25E-03
2194	609799.2	4170589	1.94E-02	3.22E-03	2.37E-03
2195	609800.8	4170601	2.02E-02	3.36E-03	2.48E-03
2196	609805.8	4170565	1.65E-02	2.73E-03	2.02E-03
2197	609807.5	4170577	1.74E-02	2.90E-03	2.14E-03
2198	609809.1	4170589	1.83E-02	3.04E-03	2.25E-03
2199	609810.4	4170598	1.89E-02	3.14E-03	2.32E-03
2200	609815.3	4170562	1.55E-02	2.57E-03	1.90E-03
2201	609817	4170574	1.64E-02	2.72E-03	2.01E-03
2202	609818.3	4170583	1.70E-02	2.82E-03	2.08E-03
2203	609820	4170595	1.77E-02	2.94E-03	2.17E-03
2204	609824.9	4170559	1.46E-02	2.42E-03	1.79E-03
2205	609826.2	4170568	1.52E-02	2.52E-03	1.86E-03
2206	609827.9	4170580	1.59E-02	2.65E-03	1.95E-03
2207	609829.1	4170589	1.64E-02	2.73E-03	2.01E-03
2208	609830.8	4170601	1.70E-02	2.82E-03	2.08E-03
2209	609834.4	4170556	1.38E-02	2.28E-03	1.69E-03
2210	609835.7	4170565	1.43E-02	2.38E-03	1.75E-03
2211	609837	4170574	1.48E-02	2.46E-03	1.82E-03
2212	609838.7	4170586	1.55E-02	2.57E-03	1.89E-03
2213	609840	4170595	1.59E-02	2.63E-03	1.94E-03
2214	609844	4170553	1.30E-02	2.16E-03	1.59E-03
2215	609845.7	4170565	1.37E-02	2.27E-03	1.67E-03
2216	609847	4170574	1.41E-02	2.35E-03	1.73E-03
2217	609848.3	4170583	1.46E-02	2.42E-03	1.78E-03
2218	609850	4170595	1.50E-02	2.50E-03	1.84E-03
2219	609853.6	4170550	1.23E-02	2.04E-03	1.50E-03
2220	609854.8	4170559	1.27E-02	2.12E-03	1.56E-03
2221	609856.5	4170571	1.33E-02	2.22E-03	1.64E-03
2222	609857.8	4170580	1.37E-02	2.28E-03	1.68E-03
2223	609859.1	4170589	1.41E-02	2.34E-03	1.73E-03
2224	609860.4	4170598	1.44E-02	2.39E-03	1.76E-03
2225	609863.1	4170548	1.16E-02	1.93E-03	1.42E-03
2226	609864.4	4170556	1.21E-02	2.00E-03	1.48E-03
2227	609865.7	4170565	1.25E-02	2.07E-03	1.53E-03
2228	609867.4	4170577	1.30E-02	2.16E-03	1.59E-03
2229	609868.7	4170586	1.33E-02	2.21E-03	1.63E-03
2230	609869.9	4170595	1.36E-02	2.26E-03	1.66E-03

2231	609872.7	4170545	1.10E-02	1.83E-03	1.35E-03
2232	609874	4170554	1.14E-02	1.90E-03	1.40E-03
2233	609875.2	4170563	1.18E-02	1.96E-03	1.45E-03
2234	609876.5	4170571	1.22E-02	2.02E-03	1.49E-03
2235	609877.8	4170580	1.25E-02	2.08E-03	1.53E-03
2236	609879.1	4170589	1.28E-02	2.12E-03	1.57E-03
2237	609880.8	4170601	1.31E-02	2.17E-03	1.60E-03
2238	609882.2	4170542	1.05E-02	1.74E-03	1.29E-03
2239	609883.9	4170554	1.10E-02	1.83E-03	1.35E-03
2240	609885.2	4170563	1.13E-02	1.88E-03	1.39E-03
2241	609886.5	4170572	1.17E-02	1.94E-03	1.43E-03
2242	609887.8	4170581	1.19E-02	1.98E-03	1.46E-03
2243	609889.1	4170589	1.22E-02	2.02E-03	1.49E-03
2244	609890.4	4170598	1.24E-02	2.06E-03	1.52E-03
2245	609891.8	4170539	1.00E-02	1.66E-03	1.23E-03
2246	609893.4	4170550	1.04E-02	1.73E-03	1.28E-03
2247	609895.1	4170562	1.08E-02	1.80E-03	1.33E-03
2248	609896.8	4170573	1.12E-02	1.86E-03	1.37E-03
2249	609898.4	4170585	1.15E-02	1.91E-03	1.41E-03
2250	609900.1	4170597	1.18E-02	1.95E-03	1.44E-03
2251	609901.3	4170536	9.54E-03	1.58E-03	1.17E-03
2252	609903	4170547	9.95E-03	1.65E-03	1.22E-03
2253	609904.7	4170559	1.03E-02	1.71E-03	1.26E-03
2254	609906.3	4170571	1.07E-02	1.77E-03	1.31E-03
2255	609908	4170582	1.09E-02	1.82E-03	1.34E-03
2256	609909.6	4170594	1.12E-02	1.85E-03	1.37E-03
2257	609647.8	4170598	6.15E-02	1.02E-02	7.54E-03
2258	609656.5	4170593	5.28E-02	8.77E-03	6.48E-03
2259	609665.2	4170588	4.59E-02	7.63E-03	5.63E-03
2260	609673.9	4170583	4.04E-02	6.71E-03	4.95E-03
2261	609678.1	4170593	4.47E-02	7.42E-03	5.48E-03
2262	609682.7	4170578	3.58E-02	5.95E-03	4.39E-03
2263	609686.9	4170588	3.95E-02	6.56E-03	4.85E-03
2264	609691.3	4170573	3.20E-02	5.31E-03	3.92E-03
2265	609695.3	4170582	3.50E-02	5.81E-03	4.29E-03
2266	609700	4170568	2.87E-02	4.78E-03	3.52E-03
2267	609704.1	4170578	3.14E-02	5.22E-03	3.85E-03
2268	609708.7	4170563	2.59E-02	4.30E-03	3.18E-03
2269	609712.9	4170573	2.83E-02	4.70E-03	3.47E-03
2270	609717.1	4170583	3.05E-02	5.07E-03	3.75E-03
2271	609717.4	4170558	2.35E-02	3.90E-03	2.88E-03
2272	609721.6	4170568	2.56E-02	4.26E-03	3.14E-03
2273	609725.9	4170578	2.76E-02	4.59E-03	3.39E-03
2274	609726	4170553	2.14E-02	3.56E-03	2.63E-03
2275	609730.1	4170563	2.32E-02	3.86E-03	2.85E-03
2276	609734.2	4170572	2.49E-02	4.14E-03	3.06E-03
2277	609734.7	4170548	1.97E-02	3.27E-03	2.41E-03
2278	609738.9	4170558	2.13E-02	3.53E-03	2.61E-03
2279	609743	4170567	2.28E-02	3.79E-03	2.79E-03
2280	609743.4	4170543	1.81E-02	3.01E-03	2.22E-03
2281	609747.6	4170553	1.96E-02	3.25E-03	2.40E-03
2282	609751.8	4170563	2.09E-02	3.48E-03	2.57E-03

2283	609752.1	4170539	1.68E-02	2.78E-03	2.05E-03
2284	609756.4	4170548	1.81E-02	3.00E-03	2.22E-03
2285	609760.6	4170558	1.93E-02	3.21E-03	2.37E-03
2286	609764.8	4170568	2.05E-02	3.40E-03	2.51E-03
2287	609760.8	4170534	1.55E-02	2.58E-03	1.90E-03
2288	609765.1	4170543	1.67E-02	2.78E-03	2.05E-03
2289	609769.4	4170553	1.79E-02	2.97E-03	2.19E-03
2290	609773.7	4170563	1.89E-02	3.15E-03	2.32E-03
2291	609769.5	4170529	1.44E-02	2.40E-03	1.77E-03
2292	609773.6	4170538	1.55E-02	2.57E-03	1.90E-03
2293	609777.8	4170548	1.65E-02	2.74E-03	2.02E-03
2294	609781.9	4170557	1.74E-02	2.90E-03	2.14E-03
2295	609778.2	4170524	1.35E-02	2.24E-03	1.65E-03
2296	609782.4	4170533	1.44E-02	2.40E-03	1.77E-03
2297	609786.5	4170543	1.54E-02	2.55E-03	1.88E-03
2298	609790.7	4170553	1.62E-02	2.70E-03	1.99E-03
2299	609786.9	4170519	1.26E-02	2.09E-03	1.54E-03
2300	609791.1	4170528	1.35E-02	2.24E-03	1.65E-03
2301	609795.3	4170538	1.43E-02	2.38E-03	1.76E-03
2302	609799.5	4170548	1.51E-02	2.51E-03	1.86E-03
2303	609795.6	4170514	1.18E-02	1.96E-03	1.44E-03
2304	609799.8	4170524	1.26E-02	2.09E-03	1.55E-03
2305	609804.1	4170533	1.34E-02	2.23E-03	1.64E-03
2306	609808.3	4170543	1.41E-02	2.35E-03	1.73E-03
2307	609812.6	4170553	1.48E-02	2.46E-03	1.82E-03
2308	609804.2	4170509	1.11E-02	1.84E-03	1.36E-03
2309	609808.4	4170518	1.18E-02	1.96E-03	1.45E-03
2310	609812.5	4170528	1.25E-02	2.08E-03	1.53E-03
2311	609816.7	4170537	1.32E-02	2.19E-03	1.62E-03
2312	609820.8	4170547	1.38E-02	2.29E-03	1.69E-03
2313	609812.9	4170504	1.04E-02	1.72E-03	1.27E-03
2314	609817.1	4170513	1.11E-02	1.84E-03	1.36E-03
2315	609821.3	4170523	1.17E-02	1.95E-03	1.44E-03
2316	609825.5	4170533	1.24E-02	2.06E-03	1.52E-03
2317	609829.6	4170542	1.30E-02	2.15E-03	1.59E-03
2318	609821.6	4170499	9.76E-03	1.62E-03	1.20E-03
2319	609825.8	4170509	1.04E-02	1.73E-03	1.28E-03
2320	609830	4170518	1.10E-02	1.83E-03	1.35E-03
2321	609834.3	4170528	1.16E-02	1.93E-03	1.43E-03
2322	609838.5	4170538	1.22E-02	2.02E-03	1.49E-03
2323	609830.3	4170494	9.19E-03	1.53E-03	1.13E-03
2324	609834.6	4170504	9.80E-03	1.63E-03	1.20E-03
2325	609838.8	4170514	1.04E-02	1.73E-03	1.27E-03
2326	609843	4170523	1.09E-02	1.82E-03	1.34E-03
2327	609847.3	4170533	1.14E-02	1.90E-03	1.40E-03
2328	609839	4170489	8.69E-03	1.44E-03	1.07E-03
2329	609843.3	4170499	9.25E-03	1.54E-03	1.13E-03
2330	609847.5	4170509	9.80E-03	1.63E-03	1.20E-03
2331	609851.8	4170519	1.03E-02	1.71E-03	1.26E-03
2332	609856.1	4170528	1.08E-02	1.79E-03	1.32E-03
2333	609860.4	4170538	1.12E-02	1.86E-03	1.37E-03
2334	609847.7	4170484	8.23E-03	1.37E-03	1.01E-03

2335	609851.8	4170494	8.73E-03	1.45E-03	1.07E-03
2336	609856	4170503	9.23E-03	1.53E-03	1.13E-03
2337	609860.2	4170513	9.70E-03	1.61E-03	1.19E-03
2338	609864.4	4170523	1.01E-02	1.68E-03	1.24E-03
2339	609868.6	4170532	1.05E-02	1.75E-03	1.29E-03
2340	609856.4	4170479	7.81E-03	1.30E-03	9.57E-04
2341	609860.6	4170489	8.28E-03	1.38E-03	1.02E-03
2342	609864.8	4170498	8.74E-03	1.45E-03	1.07E-03
2343	609869	4170508	9.18E-03	1.53E-03	1.13E-03
2344	609873.2	4170518	9.60E-03	1.59E-03	1.18E-03
2345	609877.4	4170528	9.98E-03	1.66E-03	1.22E-03
2346	609865	4170474	7.42E-03	1.23E-03	9.10E-04
2347	609869.3	4170484	7.86E-03	1.31E-03	9.64E-04
2348	609873.5	4170494	8.29E-03	1.38E-03	1.02E-03
2349	609877.8	4170503	8.71E-03	1.45E-03	1.07E-03
2350	609882	4170513	9.10E-03	1.51E-03	1.12E-03
2351	609886.2	4170523	9.46E-03	1.57E-03	1.16E-03
2352	609873.7	4170469	7.06E-03	1.17E-03	8.65E-04
2353	609878	4170479	7.47E-03	1.24E-03	9.16E-04
2354	609882.3	4170489	7.88E-03	1.31E-03	9.66E-04
2355	609886.5	4170499	8.27E-03	1.37E-03	1.01E-03
2356	609890.8	4170509	8.64E-03	1.44E-03	1.06E-03
2357	609895.1	4170518	8.98E-03	1.49E-03	1.10E-03
2358	609622.8	4170597	7.46E-02	1.24E-02	9.14E-03
2359	609634.2	4170595	6.54E-02	1.09E-02	8.02E-03
2360	609641.5	4170588	5.42E-02	9.00E-03	6.64E-03
2361	609649.2	4170582	4.61E-02	7.66E-03	5.65E-03
2362	609656.4	4170575	3.94E-02	6.55E-03	4.83E-03
2363	609663.8	4170568	3.41E-02	5.67E-03	4.19E-03
2364	609671.4	4170562	3.00E-02	4.98E-03	3.68E-03
2365	609677.2	4170570	3.28E-02	5.45E-03	4.03E-03
2366	609678.7	4170555	2.64E-02	4.39E-03	3.24E-03
2367	609684.2	4170562	2.88E-02	4.78E-03	3.53E-03
2368	609686	4170548	2.35E-02	3.90E-03	2.88E-03
2369	609693.1	4170558	2.60E-02	4.33E-03	3.19E-03
2370	609693.6	4170541	2.10E-02	3.49E-03	2.58E-03
2371	609699.4	4170549	2.28E-02	3.79E-03	2.79E-03
2372	609700.9	4170535	1.88E-02	3.12E-03	2.30E-03
2373	609706.5	4170542	2.03E-02	3.37E-03	2.49E-03
2374	609712.1	4170550	2.18E-02	3.62E-03	2.67E-03
2375	609708.2	4170528	1.69E-02	2.81E-03	2.07E-03
2376	609713.6	4170535	1.82E-02	3.02E-03	2.23E-03
2377	609719.1	4170543	1.96E-02	3.25E-03	2.40E-03
2378	609715.7	4170521	1.53E-02	2.55E-03	1.88E-03
2379	609721.5	4170529	1.66E-02	2.76E-03	2.04E-03
2380	609727.4	4170537	1.79E-02	2.98E-03	2.20E-03
2381	609723.1	4170514	1.40E-02	2.32E-03	1.71E-03
2382	609728.7	4170522	1.51E-02	2.51E-03	1.85E-03
2383	609734.3	4170530	1.62E-02	2.69E-03	1.99E-03
2384	609730.4	4170508	1.28E-02	2.12E-03	1.57E-03
2385	609735.9	4170515	1.38E-02	2.29E-03	1.69E-03
2386	609741.4	4170523	1.47E-02	2.45E-03	1.81E-03

2387	609746.9	4170530	1.57E-02	2.61E-03	1.93E-03
2388	609737.9	4170501	1.18E-02	1.95E-03	1.44E-03
2389	609743.7	4170509	1.27E-02	2.11E-03	1.56E-03
2390	609749.5	4170517	1.36E-02	2.26E-03	1.67E-03
2391	609755.3	4170525	1.46E-02	2.42E-03	1.78E-03
2392	609745.3	4170494	1.08E-02	1.80E-03	1.33E-03
2393	609750.9	4170502	1.16E-02	1.93E-03	1.43E-03
2394	609756.6	4170510	1.25E-02	2.07E-03	1.53E-03
2395	609762.2	4170518	1.33E-02	2.21E-03	1.63E-03
2396	609752.6	4170487	1.00E-02	1.66E-03	1.23E-03
2397	609758.2	4170495	1.07E-02	1.78E-03	1.32E-03
2398	609763.7	4170503	1.15E-02	1.90E-03	1.41E-03
2399	609769.2	4170510	1.22E-02	2.03E-03	1.50E-03
2400	609760.1	4170481	9.28E-03	1.54E-03	1.14E-03
2401	609765.9	4170489	9.97E-03	1.66E-03	1.22E-03
2402	609771.7	4170497	1.07E-02	1.77E-03	1.31E-03
2403	609777.5	4170505	1.14E-02	1.89E-03	1.40E-03
2404	609767.5	4170474	8.61E-03	1.43E-03	1.06E-03
2405	609773.1	4170482	9.23E-03	1.53E-03	1.13E-03
2406	609778.8	4170490	9.86E-03	1.64E-03	1.21E-03
2407	609784.5	4170498	1.05E-02	1.74E-03	1.29E-03
2408	609790.2	4170505	1.11E-02	1.85E-03	1.36E-03
2409	609774.8	4170467	8.01E-03	1.33E-03	9.82E-04
2410	609780.4	4170475	8.56E-03	1.42E-03	1.05E-03
2411	609786	4170483	9.12E-03	1.51E-03	1.12E-03
2412	609791.5	4170490	9.70E-03	1.61E-03	1.19E-03
2413	609797.1	4170498	1.03E-02	1.71E-03	1.26E-03
2414	609782.3	4170461	7.46E-03	1.24E-03	9.15E-04
2415	609788.1	4170469	7.98E-03	1.33E-03	9.78E-04
2416	609793.9	4170477	8.53E-03	1.42E-03	1.05E-03
2417	609799.7	4170485	9.08E-03	1.51E-03	1.11E-03
2418	609805.5	4170493	9.64E-03	1.60E-03	1.18E-03
2419	609789.7	4170454	6.96E-03	1.16E-03	8.53E-04
2420	609795.3	4170462	7.42E-03	1.23E-03	9.10E-04
2421	609801	4170470	7.90E-03	1.31E-03	9.69E-04
2422	609806.7	4170477	8.41E-03	1.40E-03	1.03E-03
2423	609812.4	4170485	8.91E-03	1.48E-03	1.09E-03
2424	609797	4170447	6.50E-03	1.08E-03	7.97E-04
2425	609802.6	4170455	6.92E-03	1.15E-03	8.48E-04
2426	609808.2	4170463	7.36E-03	1.22E-03	9.03E-04
2427	609813.8	4170470	7.82E-03	1.30E-03	9.59E-04
2428	609819.4	4170478	8.27E-03	1.37E-03	1.01E-03
2429	609825	4170486	8.72E-03	1.45E-03	1.07E-03
2430	609804.5	4170440	6.10E-03	1.01E-03	7.48E-04
2431	609810.3	4170448	6.51E-03	1.08E-03	7.98E-04
2432	609816.1	4170456	6.94E-03	1.15E-03	8.51E-04
2433	609821.9	4170464	7.37E-03	1.22E-03	9.04E-04
2434	609827.7	4170472	7.81E-03	1.30E-03	9.57E-04
2435	609833.5	4170480	8.23E-03	1.37E-03	1.01E-03
2436	609811.8	4170434	5.73E-03	9.53E-04	7.03E-04
2437	609817.6	4170442	6.11E-03	1.02E-03	7.49E-04
2438	609823.3	4170449	6.50E-03	1.08E-03	7.97E-04

2439	609829	4170457	6.89E-03	1.14E-03	8.45E-04
2440	609834.7	4170465	7.29E-03	1.21E-03	8.94E-04
2441	609840.4	4170473	7.68E-03	1.28E-03	9.42E-04
2442	609819.2	4170427	5.40E-03	8.98E-04	6.63E-04
2443	609824.8	4170435	5.75E-03	9.55E-04	7.05E-04
2444	609830.4	4170442	6.10E-03	1.01E-03	7.48E-04
2445	609836.1	4170450	6.46E-03	1.07E-03	7.92E-04
2446	609841.7	4170458	6.82E-03	1.13E-03	8.36E-04
2447	609847.3	4170466	7.18E-03	1.19E-03	8.81E-04
2448	609826.7	4170420	5.11E-03	8.48E-04	6.26E-04
2449	609832.5	4170428	5.44E-03	9.03E-04	6.66E-04
2450	609838.3	4170436	5.77E-03	9.59E-04	7.08E-04
2451	609844.1	4170444	6.12E-03	1.02E-03	7.51E-04
2452	609849.9	4170452	6.47E-03	1.07E-03	7.93E-04
2453	609855.7	4170460	6.82E-03	1.13E-03	8.36E-04
2454	609834	4170414	4.83E-03	8.02E-04	5.92E-04
2455	609839.7	4170421	5.13E-03	8.52E-04	6.29E-04
2456	609845.5	4170429	5.44E-03	9.03E-04	6.67E-04
2457	609851.2	4170437	5.76E-03	9.56E-04	7.06E-04
2458	609856.9	4170445	6.08E-03	1.01E-03	7.45E-04
2459	609862.6	4170453	6.40E-03	1.06E-03	7.85E-04
2460	609868.3	4170461	6.72E-03	1.12E-03	8.23E-04
2461	609606.1	4170598	8.78E-02	1.46E-02	1.08E-02
2462	609608.2	4170589	6.69E-02	1.11E-02	8.20E-03
2463	609609.9	4170579	5.25E-02	8.71E-03	6.43E-03
2464	609618	4170583	5.61E-02	9.31E-03	6.87E-03
2465	609626.2	4170588	5.94E-02	9.87E-03	7.28E-03
2466	609611.8	4170569	4.21E-02	7.00E-03	5.17E-03
2467	609620.4	4170574	4.52E-02	7.50E-03	5.54E-03
2468	609629	4170579	4.81E-02	8.00E-03	5.90E-03
2469	609613.6	4170559	3.44E-02	5.71E-03	4.22E-03
2470	609622	4170564	3.68E-02	6.11E-03	4.51E-03
2471	609630.3	4170569	3.92E-02	6.51E-03	4.81E-03
2472	609638.7	4170573	4.15E-02	6.89E-03	5.09E-03
2473	609615.5	4170549	2.85E-02	4.73E-03	3.49E-03
2474	609624.2	4170554	3.05E-02	5.07E-03	3.74E-03
2475	609632.9	4170559	3.26E-02	5.42E-03	4.00E-03
2476	609641.5	4170564	3.47E-02	5.76E-03	4.25E-03
2477	609617.2	4170540	2.38E-02	3.96E-03	2.92E-03
2478	609625.7	4170544	2.55E-02	4.23E-03	3.12E-03
2479	609634.3	4170549	2.72E-02	4.52E-03	3.34E-03
2480	609642.8	4170554	2.90E-02	4.81E-03	3.55E-03
2481	609651.3	4170559	3.06E-02	5.09E-03	3.76E-03
2482	609619	4170530	2.02E-02	3.35E-03	2.47E-03
2483	609627.4	4170534	2.15E-02	3.57E-03	2.64E-03
2484	609635.8	4170539	2.29E-02	3.81E-03	2.81E-03
2485	609644.1	4170544	2.44E-02	4.05E-03	2.99E-03
2486	609652.5	4170548	2.59E-02	4.30E-03	3.17E-03
2487	609660.9	4170553	2.73E-02	4.53E-03	3.34E-03
2488	609620.9	4170520	1.72E-02	2.86E-03	2.11E-03
2489	609629.5	4170525	1.84E-02	3.05E-03	2.25E-03
2490	609638.1	4170530	1.96E-02	3.26E-03	2.40E-03

2491	609646.7	4170534	2.09E-02	3.47E-03	2.56E-03
2492	609655.3	4170539	2.22E-02	3.69E-03	2.72E-03
2493	609663.9	4170544	2.35E-02	3.90E-03	2.88E-03
2494	609622.6	4170510	1.48E-02	2.46E-03	1.82E-03
2495	609631.1	4170515	1.58E-02	2.62E-03	1.93E-03
2496	609639.6	4170520	1.68E-02	2.79E-03	2.06E-03
2497	609648.1	4170524	1.79E-02	2.97E-03	2.19E-03
2498	609656.6	4170529	1.90E-02	3.16E-03	2.33E-03
2499	609665	4170534	2.01E-02	3.34E-03	2.47E-03
2500	609673.5	4170538	2.12E-02	3.52E-03	2.60E-03
2501	609624.5	4170500	1.29E-02	2.14E-03	1.58E-03
2502	609633.1	4170505	1.37E-02	2.27E-03	1.68E-03
2503	609641.8	4170510	1.46E-02	2.42E-03	1.79E-03
2504	609650.4	4170515	1.55E-02	2.58E-03	1.90E-03
2505	609659.1	4170520	1.65E-02	2.74E-03	2.02E-03
2506	609667.8	4170524	1.75E-02	2.91E-03	2.15E-03
2507	609676.4	4170529	1.85E-02	3.07E-03	2.27E-03
2508	609685.1	4170534	1.95E-02	3.23E-03	2.39E-03
2509	609626.3	4170490	1.13E-02	1.87E-03	1.38E-03
2510	609634.8	4170495	1.19E-02	1.98E-03	1.46E-03
2511	609643.4	4170500	1.27E-02	2.10E-03	1.55E-03
2512	609651.9	4170505	1.35E-02	2.23E-03	1.65E-03
2513	609660.5	4170509	1.43E-02	2.37E-03	1.75E-03
2514	609669	4170514	1.52E-02	2.52E-03	1.86E-03
2515	609677.6	4170519	1.61E-02	2.67E-03	1.97E-03
2516	609686.1	4170524	1.69E-02	2.81E-03	2.07E-03
2517	609628.1	4170481	9.91E-03	1.65E-03	1.21E-03
2518	609636.8	4170485	1.05E-02	1.74E-03	1.28E-03
2519	609645.5	4170490	1.11E-02	1.85E-03	1.36E-03
2520	609654.2	4170495	1.18E-02	1.96E-03	1.45E-03
2521	609662.9	4170500	1.25E-02	2.08E-03	1.54E-03
2522	609671.6	4170505	1.33E-02	2.20E-03	1.63E-03
2523	609680.3	4170510	1.40E-02	2.33E-03	1.72E-03
2524	609689	4170514	1.48E-02	2.46E-03	1.82E-03
2525	609697.7	4170519	1.56E-02	2.58E-03	1.91E-03
2526	609629.9	4170471	8.78E-03	1.46E-03	1.08E-03
2527	609638.5	4170476	9.22E-03	1.53E-03	1.13E-03
2528	609647.1	4170480	9.73E-03	1.62E-03	1.19E-03
2529	609655.7	4170485	1.03E-02	1.71E-03	1.26E-03
2530	609664.3	4170490	1.09E-02	1.81E-03	1.34E-03
2531	609672.9	4170495	1.15E-02	1.92E-03	1.41E-03
2532	609681.5	4170499	1.22E-02	2.02E-03	1.49E-03
2533	609690.1	4170504	1.29E-02	2.14E-03	1.58E-03
2534	609698.7	4170509	1.36E-02	2.26E-03	1.67E-03
2535	609707.3	4170514	1.42E-02	2.36E-03	1.75E-03
2536	609631.7	4170461	7.82E-03	1.30E-03	9.58E-04
2537	609640.2	4170466	8.14E-03	1.35E-03	9.99E-04
2538	609648.7	4170470	8.55E-03	1.42E-03	1.05E-03
2539	609657.2	4170475	9.03E-03	1.50E-03	1.11E-03
2540	609665.7	4170480	9.57E-03	1.59E-03	1.17E-03
2541	609674.3	4170485	1.01E-02	1.68E-03	1.24E-03
2542	609682.8	4170489	1.07E-02	1.77E-03	1.31E-03

2543	609691.3	4170494	1.13E-02	1.87E-03	1.38E-03
2544	609699.8	4170499	1.19E-02	1.98E-03	1.46E-03
2545	609708.3	4170504	1.25E-02	2.08E-03	1.54E-03
2546	609642.2	4170456	7.28E-03	1.21E-03	8.93E-04
2547	609650.8	4170461	7.61E-03	1.26E-03	9.32E-04
2548	609659.4	4170466	8.01E-03	1.33E-03	9.82E-04
2549	609668.1	4170470	8.49E-03	1.41E-03	1.04E-03
2550	609676.7	4170475	8.99E-03	1.49E-03	1.10E-03
2551	609685.3	4170480	9.50E-03	1.58E-03	1.17E-03
2552	609694	4170485	1.01E-02	1.67E-03	1.23E-03
2553	609702.6	4170489	1.06E-02	1.77E-03	1.30E-03
2554	609711.3	4170494	1.12E-02	1.86E-03	1.37E-03
2555	609719.9	4170499	1.18E-02	1.95E-03	1.44E-03
2556	609643.9	4170446	6.54E-03	1.09E-03	8.02E-04
2557	609652.4	4170451	6.81E-03	1.13E-03	8.35E-04
2558	609661	4170456	7.16E-03	1.19E-03	8.78E-04
2559	609669.5	4170460	7.56E-03	1.26E-03	9.26E-04
2560	609678.1	4170465	7.98E-03	1.33E-03	9.79E-04
2561	609686.7	4170470	8.44E-03	1.40E-03	1.03E-03
2562	609695.2	4170475	8.92E-03	1.48E-03	1.09E-03
2563	609703.8	4170479	9.42E-03	1.57E-03	1.16E-03
2564	609712.4	4170484	9.93E-03	1.65E-03	1.22E-03
2565	609720.9	4170489	1.04E-02	1.73E-03	1.28E-03
2566	609729.5	4170494	1.09E-02	1.82E-03	1.34E-03
2567	609654.5	4170441	6.15E-03	1.02E-03	7.54E-04
2568	609663.1	4170446	6.46E-03	1.07E-03	7.92E-04
2569	609671.8	4170451	6.81E-03	1.13E-03	8.34E-04
2570	609680.5	4170456	7.18E-03	1.19E-03	8.81E-04
2571	609689.1	4170460	7.59E-03	1.26E-03	9.30E-04
2572	609697.8	4170465	8.02E-03	1.33E-03	9.83E-04
2573	609706.5	4170470	8.47E-03	1.41E-03	1.04E-03
2574	609715.2	4170475	8.93E-03	1.48E-03	1.09E-03
2575	609723.8	4170480	9.40E-03	1.56E-03	1.15E-03
2576	609732.5	4170484	9.86E-03	1.64E-03	1.21E-03
2577	609664.7	4170436	5.84E-03	9.70E-04	7.16E-04
2578	609673.3	4170441	6.13E-03	1.02E-03	7.52E-04
2579	609681.9	4170445	6.45E-03	1.07E-03	7.91E-04
2580	609690.5	4170450	6.80E-03	1.13E-03	8.34E-04
2581	609699.1	4170455	7.18E-03	1.19E-03	8.80E-04
2582	609707.7	4170460	7.57E-03	1.26E-03	9.28E-04
2583	609716.3	4170465	7.98E-03	1.33E-03	9.78E-04
2584	609724.9	4170469	8.40E-03	1.39E-03	1.03E-03
2585	609733.5	4170474	8.82E-03	1.46E-03	1.08E-03
2586	609742.1	4170479	9.23E-03	1.53E-03	1.13E-03
2587	609640.8	4170412	4.76E-03	7.90E-04	5.83E-04
2588	609675.5	4170431	5.57E-03	9.26E-04	6.83E-04
2589	609684.2	4170436	5.86E-03	9.73E-04	7.18E-04
2590	609692.9	4170441	6.17E-03	1.02E-03	7.56E-04
2591	609701.6	4170446	6.50E-03	1.08E-03	7.97E-04
2592	609710.3	4170450	6.85E-03	1.14E-03	8.40E-04
2593	609719	4170455	7.22E-03	1.20E-03	8.85E-04
2594	609727.7	4170460	7.60E-03	1.26E-03	9.32E-04

2595	609736.4	4170465	7.99E-03	1.33E-03	9.79E-04
2596	609745.1	4170470	8.37E-03	1.39E-03	1.03E-03
2597	609642.5	4170402	4.37E-03	7.26E-04	5.36E-04
2598	609651.2	4170407	4.49E-03	7.47E-04	5.51E-04
2599	609677.1	4170421	5.07E-03	8.42E-04	6.22E-04
2600	609685.7	4170426	5.31E-03	8.83E-04	6.52E-04
2601	609694.3	4170431	5.58E-03	9.27E-04	6.84E-04
2602	609702.9	4170435	5.87E-03	9.75E-04	7.20E-04
2603	609711.6	4170440	6.18E-03	1.03E-03	7.57E-04
2604	609720.2	4170445	6.50E-03	1.08E-03	7.97E-04
2605	609728.8	4170450	6.84E-03	1.14E-03	8.38E-04
2606	609737.5	4170455	7.18E-03	1.19E-03	8.81E-04
2607	609746.1	4170459	7.53E-03	1.25E-03	9.24E-04
2608	609754.7	4170464	7.88E-03	1.31E-03	9.66E-04
2609	609644.3	4170392	4.02E-03	6.69E-04	4.93E-04
2610	609652.9	4170397	4.14E-03	6.87E-04	5.07E-04
2611	609687.2	4170416	4.84E-03	8.05E-04	5.94E-04
2612	609695.8	4170421	5.07E-03	8.43E-04	6.22E-04
2613	609704.3	4170425	5.32E-03	8.84E-04	6.53E-04
2614	609712.9	4170430	5.59E-03	9.29E-04	6.85E-04
2615	609721.5	4170435	5.88E-03	9.76E-04	7.20E-04
2616	609730	4170440	6.17E-03	1.03E-03	7.57E-04
2617	609738.6	4170444	6.48E-03	1.08E-03	7.95E-04
2618	609747.2	4170449	6.80E-03	1.13E-03	8.33E-04
2619	609755.7	4170454	7.11E-03	1.18E-03	8.72E-04
2620	609764.3	4170459	7.43E-03	1.23E-03	9.11E-04
2621	609646.2	4170382	3.73E-03	6.19E-04	4.57E-04
2622	609654.8	4170387	3.83E-03	6.36E-04	4.70E-04
2623	609663.5	4170392	3.96E-03	6.57E-04	4.85E-04
2624	609698.1	4170411	4.65E-03	7.73E-04	5.71E-04
2625	609706.7	4170416	4.88E-03	8.10E-04	5.98E-04
2626	609715.4	4170421	5.12E-03	8.50E-04	6.27E-04
2627	609724	4170426	5.37E-03	8.92E-04	6.59E-04
2628	609732.7	4170430	5.64E-03	9.37E-04	6.92E-04
2629	609741.4	4170435	5.92E-03	9.83E-04	7.26E-04
2630	609750	4170440	6.21E-03	1.03E-03	7.61E-04
2631	609758.7	4170445	6.50E-03	1.08E-03	7.97E-04
2632	609767.3	4170450	6.80E-03	1.13E-03	8.33E-04
2633	609776	4170454	7.08E-03	1.18E-03	8.68E-04
2634	609648	4170372	3.47E-03	5.76E-04	4.25E-04
2635	609656.6	4170377	3.56E-03	5.91E-04	4.36E-04
2636	609665.2	4170382	3.67E-03	6.09E-04	4.50E-04
2637	609673.8	4170387	3.79E-03	6.30E-04	4.65E-04
2638	609699.5	4170401	4.27E-03	7.09E-04	5.23E-04
2639	609708.1	4170406	4.46E-03	7.41E-04	5.47E-04
2640	609716.7	4170411	4.67E-03	7.75E-04	5.72E-04
2641	609725.3	4170415	4.89E-03	8.13E-04	6.00E-04
2642	609733.9	4170420	5.13E-03	8.52E-04	6.29E-04
2643	609742.5	4170425	5.38E-03	8.93E-04	6.59E-04
2644	609751.1	4170430	5.63E-03	9.35E-04	6.90E-04
2645	609759.7	4170435	5.90E-03	9.80E-04	7.23E-04
2646	609768.3	4170439	6.17E-03	1.02E-03	7.56E-04

2647	609776.9	4170444	6.43E-03	1.07E-03	7.88E-04
2648	609649.8	4170363	3.24E-03	5.38E-04	3.97E-04
2649	609658.5	4170367	3.32E-03	5.51E-04	4.07E-04
2650	609667.1	4170372	3.41E-03	5.67E-04	4.18E-04
2651	609675.8	4170377	3.52E-03	5.85E-04	4.32E-04
2652	609684.5	4170382	3.65E-03	6.06E-04	4.47E-04
2653	609710.5	4170396	4.12E-03	6.84E-04	5.05E-04
2654	609719.2	4170401	4.30E-03	7.15E-04	5.27E-04
2655	609727.9	4170406	4.50E-03	7.48E-04	5.52E-04
2656	609736.5	4170411	4.72E-03	7.83E-04	5.78E-04
2657	609745.2	4170416	4.94E-03	8.20E-04	6.05E-04
2658	609753.9	4170420	5.16E-03	8.57E-04	6.32E-04
2659	609762.6	4170425	5.40E-03	8.97E-04	6.62E-04
2660	609771.2	4170430	5.65E-03	9.38E-04	6.93E-04
2661	609779.9	4170435	5.89E-03	9.79E-04	7.23E-04
2662	609788.6	4170440	6.12E-03	1.02E-03	7.51E-04
2663	609651.6	4170353	3.03E-03	5.04E-04	3.72E-04
2664	609660.2	4170358	3.10E-03	5.15E-04	3.80E-04
2665	609668.8	4170362	3.18E-03	5.29E-04	3.90E-04
2666	609677.4	4170367	3.28E-03	5.45E-04	4.02E-04
2667	609686.1	4170372	3.39E-03	5.63E-04	4.15E-04
2668	609720.6	4170391	3.96E-03	6.57E-04	4.85E-04
2669	609729.2	4170396	4.13E-03	6.86E-04	5.06E-04
2670	609737.8	4170401	4.32E-03	7.17E-04	5.29E-04
2671	609746.4	4170405	4.51E-03	7.49E-04	5.53E-04
2672	609755	4170410	4.70E-03	7.81E-04	5.76E-04
2673	609763.7	4170415	4.91E-03	8.15E-04	6.02E-04
2674	609772.3	4170420	5.13E-03	8.52E-04	6.29E-04
2675	609780.9	4170425	5.35E-03	8.89E-04	6.56E-04
2676	609789.5	4170429	5.58E-03	9.26E-04	6.84E-04
2677	609653.4	4170343	2.85E-03	4.73E-04	3.49E-04
2678	609662.1	4170348	2.91E-03	4.84E-04	3.57E-04
2679	609670.8	4170353	2.98E-03	4.95E-04	3.66E-04
2680	609679.5	4170357	3.07E-03	5.09E-04	3.76E-04
2681	609688.2	4170362	3.16E-03	5.25E-04	3.88E-04
2682	609696.9	4170367	3.27E-03	5.43E-04	4.01E-04
2683	609731.6	4170386	3.83E-03	6.36E-04	4.69E-04
2684	609740.3	4170391	3.99E-03	6.64E-04	4.90E-04
2685	609749	4170396	4.16E-03	6.91E-04	5.10E-04
2686	609757.7	4170401	4.33E-03	7.19E-04	5.31E-04
2687	609766.4	4170406	4.51E-03	7.49E-04	5.53E-04
2688	609775.1	4170411	4.71E-03	7.82E-04	5.77E-04
2689	609783.8	4170415	4.92E-03	8.18E-04	6.04E-04
2690	609792.5	4170420	5.13E-03	8.53E-04	6.30E-04
2691	609801.2	4170425	5.34E-03	8.87E-04	6.55E-04
2692	609655.2	4170333	2.68E-03	4.46E-04	3.29E-04
2693	609663.8	4170338	2.74E-03	4.55E-04	3.36E-04
2694	609672.5	4170343	2.80E-03	4.65E-04	3.43E-04
2695	609681.1	4170347	2.87E-03	4.77E-04	3.52E-04
2696	609689.8	4170352	2.96E-03	4.91E-04	3.62E-04
2697	609698.4	4170357	3.05E-03	5.07E-04	3.74E-04
2698	609707.1	4170362	3.15E-03	5.24E-04	3.87E-04

2699	609733	4170376	3.54E-03	5.87E-04	4.34E-04
2700	609741.6	4170381	3.68E-03	6.12E-04	4.52E-04
2701	609750.3	4170386	3.83E-03	6.36E-04	4.69E-04
2702	609758.9	4170391	3.98E-03	6.61E-04	4.88E-04
2703	609767.6	4170396	4.14E-03	6.87E-04	5.07E-04
2704	609776.2	4170400	4.31E-03	7.16E-04	5.28E-04
2705	609784.9	4170405	4.50E-03	7.47E-04	5.52E-04
2706	609793.5	4170410	4.70E-03	7.80E-04	5.76E-04
2707	609802.1	4170415	4.89E-03	8.12E-04	6.00E-04
2708	609810.8	4170420	5.09E-03	8.45E-04	6.24E-04
2709	609657	4170323	2.53E-03	4.21E-04	3.11E-04
2710	609665.7	4170328	2.58E-03	4.29E-04	3.16E-04
2711	609674.4	4170333	2.64E-03	4.38E-04	3.23E-04
2712	609683.1	4170338	2.70E-03	4.49E-04	3.31E-04
2713	609691.9	4170343	2.78E-03	4.61E-04	3.40E-04
2714	609700.6	4170347	2.86E-03	4.75E-04	3.51E-04
2715	609709.3	4170352	2.95E-03	4.91E-04	3.62E-04
2716	609744.1	4170372	3.43E-03	5.69E-04	4.20E-04
2717	609752.8	4170376	3.55E-03	5.90E-04	4.36E-04
2718	609761.5	4170381	3.69E-03	6.13E-04	4.52E-04
2719	609770.2	4170386	3.83E-03	6.37E-04	4.70E-04
2720	609779	4170391	4.00E-03	6.64E-04	4.90E-04
2721	609787.7	4170396	4.17E-03	6.92E-04	5.11E-04
2722	609796.4	4170401	4.35E-03	7.22E-04	5.33E-04
2723	609805.1	4170406	4.53E-03	7.53E-04	5.56E-04
2724	609813.8	4170410	4.72E-03	7.84E-04	5.78E-04
2725	609658.8	4170313	2.40E-03	3.98E-04	2.94E-04
2726	609667.5	4170318	2.44E-03	4.05E-04	2.99E-04
2727	609676.1	4170323	2.49E-03	4.13E-04	3.05E-04
2728	609684.8	4170328	2.54E-03	4.23E-04	3.12E-04
2729	609693.5	4170333	2.61E-03	4.33E-04	3.20E-04
2730	609702.1	4170337	2.68E-03	4.46E-04	3.29E-04
2731	609710.8	4170342	2.77E-03	4.59E-04	3.39E-04
2732	609719.5	4170347	2.86E-03	4.75E-04	3.50E-04
2733	609754.1	4170366	3.29E-03	5.47E-04	4.04E-04
2734	609762.8	4170371	3.41E-03	5.67E-04	4.18E-04
2735	609771.4	4170376	3.54E-03	5.88E-04	4.34E-04
2736	609780.1	4170381	3.69E-03	6.12E-04	4.52E-04
2737	609788.8	4170386	3.84E-03	6.38E-04	4.71E-04
2738	609797.4	4170390	4.00E-03	6.65E-04	4.91E-04
2739	609806.1	4170395	4.17E-03	6.92E-04	5.11E-04
2740	609814.7	4170400	4.34E-03	7.21E-04	5.32E-04
2741	609823.4	4170405	4.51E-03	7.49E-04	5.53E-04
2742	609596.4	4170597	8.90E-02	1.48E-02	1.09E-02
2743	609598.2	4170587	6.69E-02	1.11E-02	8.20E-03
2744	609599.6	4170577	5.22E-02	8.68E-03	6.40E-03
2745	609599.7	4170567	4.19E-02	6.95E-03	5.13E-03
2746	609599.7	4170557	3.41E-02	5.67E-03	4.18E-03
2747	609599.8	4170547	2.82E-02	4.68E-03	3.45E-03
2748	609599.8	4170537	2.35E-02	3.91E-03	2.89E-03
2749	609599.8	4170527	1.99E-02	3.30E-03	2.44E-03
2750	609609.6	4170528	1.98E-02	3.29E-03	2.43E-03

2751	609599.8	4170517	1.69E-02	2.81E-03	2.08E-03
2752	609609.7	4170518	1.69E-02	2.81E-03	2.07E-03
2753	609599.9	4170507	1.46E-02	2.42E-03	1.79E-03
2754	609609.8	4170508	1.45E-02	2.42E-03	1.78E-03
2755	609599.9	4170497	1.26E-02	2.10E-03	1.55E-03
2756	609609.9	4170498	1.26E-02	2.10E-03	1.55E-03
2757	609599.9	4170487	1.11E-02	1.84E-03	1.36E-03
2758	609609.9	4170488	1.10E-02	1.83E-03	1.35E-03
2759	609610	4170478	9.73E-03	1.62E-03	1.19E-03
2760	609620.2	4170469	8.63E-03	1.43E-03	1.06E-03
2761	609620.6	4170419	5.20E-03	8.65E-04	6.38E-04
2762	609599.9	4170407	4.89E-03	8.12E-04	6.00E-04
2763	609610.3	4170408	4.83E-03	8.02E-04	5.92E-04
2764	609620.6	4170409	4.78E-03	7.94E-04	5.86E-04
2765	609631	4170410	4.75E-03	7.89E-04	5.83E-04
2766	609599.9	4170397	4.52E-03	7.52E-04	5.55E-04
2767	609610.3	4170398	4.46E-03	7.41E-04	5.47E-04
2768	609620.7	4170399	4.41E-03	7.33E-04	5.41E-04
2769	609631	4170400	4.37E-03	7.25E-04	5.35E-04
2770	609599.9	4170387	4.20E-03	6.98E-04	5.15E-04
2771	609610.3	4170388	4.13E-03	6.86E-04	5.07E-04
2772	609620.7	4170389	4.07E-03	6.76E-04	4.99E-04
2773	609631.1	4170390	4.02E-03	6.69E-04	4.93E-04
2774	609599.9	4170377	3.92E-03	6.51E-04	4.81E-04
2775	609610.3	4170378	3.84E-03	6.38E-04	4.71E-04
2776	609620.7	4170379	3.77E-03	6.26E-04	4.62E-04
2777	609631.1	4170380	3.73E-03	6.19E-04	4.57E-04
2778	609599.9	4170367	3.67E-03	6.09E-04	4.50E-04
2779	609610.4	4170368	3.59E-03	5.96E-04	4.40E-04
2780	609620.8	4170369	3.52E-03	5.85E-04	4.32E-04
2781	609631.2	4170370	3.48E-03	5.77E-04	4.26E-04
2782	609599.9	4170357	3.44E-03	5.72E-04	4.22E-04
2783	609610.4	4170358	3.37E-03	5.59E-04	4.13E-04
2784	609620.8	4170359	3.30E-03	5.48E-04	4.05E-04
2785	609631.2	4170360	3.26E-03	5.41E-04	3.99E-04
2786	609599.9	4170347	3.24E-03	5.38E-04	3.97E-04
2787	609610.4	4170348	3.17E-03	5.26E-04	3.89E-04
2788	609620.8	4170349	3.10E-03	5.16E-04	3.81E-04
2789	609631.3	4170350	3.06E-03	5.08E-04	3.75E-04
2790	609641.7	4170351	3.03E-03	5.03E-04	3.72E-04
2791	609599.9	4170337	3.06E-03	5.08E-04	3.75E-04
2792	609610.4	4170338	2.99E-03	4.97E-04	3.67E-04
2793	609620.9	4170339	2.93E-03	4.86E-04	3.59E-04
2794	609631.3	4170340	2.89E-03	4.79E-04	3.54E-04
2795	609641.8	4170341	2.85E-03	4.74E-04	3.50E-04
2796	609599.9	4170327	2.89E-03	4.81E-04	3.55E-04
2797	609610.4	4170328	2.83E-03	4.70E-04	3.47E-04
2798	609620.9	4170329	2.77E-03	4.60E-04	3.39E-04
2799	609631.4	4170330	2.73E-03	4.53E-04	3.34E-04
2800	609641.9	4170331	2.69E-03	4.48E-04	3.30E-04
2801	609599.9	4170317	2.74E-03	4.56E-04	3.36E-04
2802	609610.4	4170318	2.68E-03	4.45E-04	3.29E-04

2803	609620.9	4170319	2.62E-03	4.36E-04	3.22E-04
2804	609631.4	4170320	2.58E-03	4.29E-04	3.17E-04
2805	609641.9	4170321	2.55E-03	4.24E-04	3.13E-04
2806	609599.9	4170307	2.61E-03	4.33E-04	3.19E-04
2807	609610.4	4170308	2.55E-03	4.23E-04	3.12E-04
2808	609620.9	4170309	2.49E-03	4.14E-04	3.06E-04
2809	609631.4	4170310	2.45E-03	4.07E-04	3.01E-04
2810	609641.9	4170311	2.42E-03	4.02E-04	2.97E-04
2811	609586.9	4170597	9.53E-02	1.58E-02	1.17E-02
2812	609577.3	4170597	1.02E-01	1.70E-02	1.25E-02
2813	609567.7	4170596	1.09E-01	1.81E-02	1.34E-02
2814	609558	4170596	1.15E-01	1.91E-02	1.41E-02
2815	609548.4	4170596	1.20E-01	1.99E-02	1.47E-02
2816	609538.8	4170596	1.24E-01	2.06E-02	1.52E-02
2817	609529.2	4170596	1.27E-01	2.11E-02	1.55E-02
2818	609519.5	4170596	1.29E-01	2.14E-02	1.58E-02
2819	609509.9	4170596	1.30E-01	2.15E-02	1.59E-02
2820	609500.3	4170596	1.30E-01	2.16E-02	1.59E-02
2821	609490.6	4170596	1.29E-01	2.14E-02	1.58E-02
2822	609481	4170596	1.27E-01	2.11E-02	1.56E-02
2823	609471.4	4170596	1.24E-01	2.06E-02	1.52E-02
2824	609587	4170587	7.12E-02	1.18E-02	8.74E-03
2825	609577.4	4170587	7.55E-02	1.25E-02	9.26E-03
2826	609567.8	4170586	7.99E-02	1.33E-02	9.80E-03
2827	609558.1	4170586	8.41E-02	1.40E-02	1.03E-02
2828	609548.5	4170586	8.78E-02	1.46E-02	1.08E-02
2829	609538.9	4170586	9.09E-02	1.51E-02	1.11E-02
2830	609529.2	4170586	9.33E-02	1.55E-02	1.14E-02
2831	609519.6	4170586	9.49E-02	1.58E-02	1.16E-02
2832	609510	4170586	9.59E-02	1.59E-02	1.18E-02
2833	609500.3	4170586	9.61E-02	1.60E-02	1.18E-02
2834	609490.7	4170586	9.57E-02	1.59E-02	1.17E-02
2835	609481.1	4170586	9.46E-02	1.57E-02	1.16E-02
2836	609471.4	4170586	9.29E-02	1.54E-02	1.14E-02
2837	609587.1	4170577	5.52E-02	9.16E-03	6.76E-03
2838	609577.5	4170577	5.79E-02	9.62E-03	7.10E-03
2839	609567.8	4170576	6.09E-02	1.01E-02	7.46E-03
2840	609558.2	4170576	6.38E-02	1.06E-02	7.82E-03
2841	609548.6	4170576	6.65E-02	1.10E-02	8.15E-03
2842	609538.9	4170576	6.88E-02	1.14E-02	8.44E-03
2843	609529.3	4170576	7.08E-02	1.18E-02	8.68E-03
2844	609519.7	4170576	7.22E-02	1.20E-02	8.86E-03
2845	609510	4170576	7.32E-02	1.22E-02	8.97E-03
2846	609500.4	4170576	7.36E-02	1.22E-02	9.03E-03
2847	609490.8	4170576	7.36E-02	1.22E-02	9.03E-03
2848	609481.2	4170576	7.32E-02	1.22E-02	8.97E-03
2849	609423.4	4170575	6.48E-02	1.08E-02	7.94E-03
2850	609587.2	4170567	4.38E-02	7.27E-03	5.37E-03
2851	609577.5	4170567	4.56E-02	7.57E-03	5.59E-03
2852	609567.9	4170566	4.76E-02	7.91E-03	5.83E-03
2853	609558.3	4170566	4.96E-02	8.25E-03	6.09E-03
2854	609548.6	4170566	5.17E-02	8.58E-03	6.33E-03

2855	609539	4170566	5.35E-02	8.88E-03	6.56E-03
2856	609529.4	4170566	5.50E-02	9.14E-03	6.75E-03
2857	609519.8	4170566	5.63E-02	9.36E-03	6.91E-03
2858	609510.1	4170566	5.73E-02	9.51E-03	7.02E-03
2859	609500.5	4170566	5.79E-02	9.62E-03	7.10E-03
2860	609490.9	4170566	5.82E-02	9.67E-03	7.13E-03
2861	609587.2	4170557	3.54E-02	5.88E-03	4.34E-03
2862	609577.6	4170557	3.66E-02	6.09E-03	4.49E-03
2863	609568	4170556	3.80E-02	6.32E-03	4.66E-03
2864	609558.4	4170556	3.95E-02	6.56E-03	4.84E-03
2865	609548.7	4170556	4.10E-02	6.81E-03	5.03E-03
2866	609539.1	4170556	4.24E-02	7.05E-03	5.20E-03
2867	609529.5	4170556	4.37E-02	7.26E-03	5.36E-03
2868	609519.8	4170556	4.49E-02	7.45E-03	5.50E-03
2869	609510.2	4170556	4.58E-02	7.61E-03	5.61E-03
2870	609462.1	4170556	4.75E-02	7.89E-03	5.83E-03
2871	609452.4	4170556	4.74E-02	7.88E-03	5.82E-03
2872	609442.8	4170555	4.73E-02	7.85E-03	5.79E-03
2873	609433.2	4170555	4.70E-02	7.80E-03	5.76E-03
2874	609587.3	4170547	2.91E-02	4.83E-03	3.56E-03
2875	609577.7	4170547	2.99E-02	4.97E-03	3.67E-03
2876	609568.1	4170546	3.09E-02	5.14E-03	3.79E-03
2877	609558.4	4170546	3.20E-02	5.32E-03	3.92E-03
2878	609548.8	4170546	3.32E-02	5.51E-03	4.06E-03
2879	609539.2	4170546	3.43E-02	5.70E-03	4.20E-03
2880	609529.5	4170546	3.54E-02	5.88E-03	4.34E-03
2881	609519.9	4170546	3.64E-02	6.04E-03	4.46E-03
2882	609471.8	4170546	3.96E-02	6.58E-03	4.86E-03
2883	609462.1	4170546	3.99E-02	6.63E-03	4.90E-03
2884	609452.5	4170546	4.01E-02	6.67E-03	4.92E-03
2885	609442.9	4170545	4.03E-02	6.69E-03	4.94E-03
2886	609433.2	4170545	4.03E-02	6.69E-03	4.94E-03
2887	609423.6	4170545	4.01E-02	6.66E-03	4.92E-03
2888	609587.4	4170537	2.42E-02	4.02E-03	2.96E-03
2889	609577.8	4170537	2.48E-02	4.12E-03	3.04E-03
2890	609568.1	4170536	2.55E-02	4.24E-03	3.13E-03
2891	609558.5	4170536	2.64E-02	4.38E-03	3.23E-03
2892	609548.9	4170536	2.73E-02	4.53E-03	3.34E-03
2893	609539.3	4170536	2.82E-02	4.68E-03	3.46E-03
2894	609529.6	4170536	2.91E-02	4.83E-03	3.57E-03
2895	609481.5	4170536	3.29E-02	5.47E-03	4.04E-03
2896	609471.8	4170536	3.35E-02	5.56E-03	4.11E-03
2897	609462.2	4170536	3.40E-02	5.64E-03	4.17E-03
2898	609452.6	4170536	3.44E-02	5.71E-03	4.22E-03
2899	609442.9	4170535	3.47E-02	5.76E-03	4.25E-03
2900	609433.3	4170535	3.49E-02	5.79E-03	4.28E-03
2901	609423.7	4170535	3.49E-02	5.80E-03	4.28E-03
2902	609587.5	4170527	2.03E-02	3.38E-03	2.49E-03
2903	609577.8	4170527	2.08E-02	3.46E-03	2.55E-03
2904	609568.2	4170526	2.14E-02	3.55E-03	2.62E-03
2905	609558.6	4170526	2.20E-02	3.66E-03	2.70E-03
2906	609549	4170526	2.28E-02	3.78E-03	2.79E-03

2907	609500.8	4170526	2.66E-02	4.43E-03	3.27E-03
2908	609491.2	4170526	2.74E-02	4.54E-03	3.35E-03
2909	609481.5	4170526	2.80E-02	4.66E-03	3.44E-03
2910	609471.9	4170526	2.87E-02	4.76E-03	3.51E-03
2911	609462.3	4170526	2.92E-02	4.86E-03	3.58E-03
2912	609452.7	4170526	2.97E-02	4.94E-03	3.64E-03
2913	609443	4170525	3.01E-02	5.01E-03	3.70E-03
2914	609433.4	4170525	3.05E-02	5.06E-03	3.73E-03
2915	609423.8	4170525	3.06E-02	5.09E-03	3.76E-03
2916	609587.6	4170517	1.73E-02	2.87E-03	2.12E-03
2917	609577.9	4170517	1.77E-02	2.94E-03	2.17E-03
2918	609568.3	4170516	1.81E-02	3.01E-03	2.22E-03
2919	609558.7	4170516	1.87E-02	3.10E-03	2.29E-03
2920	609510.5	4170516	2.20E-02	3.66E-03	2.70E-03
2921	609500.9	4170516	2.27E-02	3.78E-03	2.79E-03
2922	609491.3	4170516	2.34E-02	3.89E-03	2.87E-03
2923	609481.6	4170516	2.41E-02	4.01E-03	2.96E-03
2924	609472	4170516	2.48E-02	4.11E-03	3.04E-03
2925	609462.4	4170516	2.54E-02	4.21E-03	3.11E-03
2926	609452.7	4170516	2.59E-02	4.30E-03	3.18E-03
2927	609443.1	4170515	2.64E-02	4.38E-03	3.23E-03
2928	609433.5	4170515	2.68E-02	4.45E-03	3.28E-03
2929	609423.8	4170515	2.70E-02	4.49E-03	3.32E-03
2930	609587.6	4170507	1.49E-02	2.47E-03	1.82E-03
2931	609578	4170507	1.52E-02	2.52E-03	1.86E-03
2932	609568.4	4170506	1.56E-02	2.58E-03	1.91E-03
2933	609520.2	4170506	1.83E-02	3.03E-03	2.24E-03
2934	609510.6	4170506	1.89E-02	3.14E-03	2.32E-03
2935	609501	4170506	1.96E-02	3.26E-03	2.40E-03
2936	609491.3	4170506	2.03E-02	3.37E-03	2.49E-03
2937	609481.7	4170506	2.09E-02	3.48E-03	2.57E-03
2938	609472.1	4170506	2.16E-02	3.58E-03	2.65E-03
2939	609462.4	4170506	2.22E-02	3.68E-03	2.72E-03
2940	609452.8	4170506	2.27E-02	3.78E-03	2.79E-03
2941	609443.2	4170505	2.32E-02	3.86E-03	2.85E-03
2942	609433.5	4170505	2.37E-02	3.93E-03	2.90E-03
2943	609423.9	4170505	2.40E-02	3.98E-03	2.94E-03
2944	609587.7	4170497	1.29E-02	2.14E-03	1.58E-03
2945	609539.6	4170496	1.48E-02	2.45E-03	1.81E-03
2946	609529.9	4170496	1.53E-02	2.54E-03	1.87E-03
2947	609520.3	4170496	1.59E-02	2.63E-03	1.94E-03
2948	609510.7	4170496	1.65E-02	2.73E-03	2.02E-03
2949	609501	4170496	1.71E-02	2.84E-03	2.09E-03
2950	609491.4	4170496	1.77E-02	2.94E-03	2.17E-03
2951	609481.8	4170496	1.83E-02	3.05E-03	2.25E-03
2952	609472.1	4170496	1.89E-02	3.15E-03	2.32E-03
2953	609462.5	4170496	1.95E-02	3.24E-03	2.39E-03
2954	609452.9	4170496	2.01E-02	3.34E-03	2.46E-03
2955	609443.3	4170495	2.06E-02	3.42E-03	2.52E-03
2956	609433.6	4170495	2.10E-02	3.49E-03	2.58E-03
2957	609424	4170495	2.14E-02	3.55E-03	2.62E-03
2958	609549.3	4170486	1.25E-02	2.08E-03	1.53E-03

2959	609539.6	4170486	1.29E-02	2.15E-03	1.58E-03
2960	609530	4170486	1.34E-02	2.22E-03	1.64E-03
2961	609520.4	4170486	1.39E-02	2.31E-03	1.70E-03
2962	609510.7	4170486	1.44E-02	2.40E-03	1.77E-03
2963	609501.1	4170486	1.50E-02	2.49E-03	1.84E-03
2964	609491.5	4170486	1.56E-02	2.59E-03	1.91E-03
2965	609481.9	4170486	1.62E-02	2.69E-03	1.98E-03
2966	609472.2	4170486	1.67E-02	2.78E-03	2.05E-03
2967	609462.6	4170486	1.73E-02	2.87E-03	2.12E-03
2968	609453	4170486	1.78E-02	2.96E-03	2.19E-03
2969	609443.3	4170485	1.83E-02	3.04E-03	2.25E-03
2970	609433.7	4170485	1.88E-02	3.12E-03	2.30E-03
2971	609424.1	4170485	1.91E-02	3.18E-03	2.35E-03
2972	609559	4170476	1.07E-02	1.78E-03	1.31E-03
2973	609549.3	4170476	1.10E-02	1.83E-03	1.35E-03
2974	609539.7	4170476	1.14E-02	1.90E-03	1.40E-03
2975	609530.1	4170476	1.18E-02	1.97E-03	1.45E-03
2976	609520.5	4170476	1.23E-02	2.04E-03	1.51E-03
2977	609510.8	4170476	1.28E-02	2.12E-03	1.57E-03
2978	609501.2	4170476	1.33E-02	2.21E-03	1.63E-03
2979	609491.6	4170476	1.38E-02	2.30E-03	1.69E-03
2980	609481.9	4170476	1.44E-02	2.39E-03	1.76E-03
2981	609472.3	4170476	1.49E-02	2.47E-03	1.83E-03
2982	609462.7	4170476	1.54E-02	2.56E-03	1.89E-03
2983	609453	4170476	1.59E-02	2.65E-03	1.95E-03
2984	609443.4	4170475	1.64E-02	2.72E-03	2.01E-03
2985	609433.8	4170475	1.68E-02	2.79E-03	2.06E-03
2986	609424.1	4170475	1.72E-02	2.86E-03	2.11E-03
2987	609578.3	4170467	9.04E-03	1.50E-03	1.11E-03
2988	609568.7	4170466	9.27E-03	1.54E-03	1.14E-03
2989	609559.1	4170466	9.53E-03	1.58E-03	1.17E-03
2990	609549.4	4170466	9.83E-03	1.63E-03	1.20E-03
2991	609539.8	4170466	1.02E-02	1.69E-03	1.25E-03
2992	609530.2	4170466	1.05E-02	1.75E-03	1.29E-03
2993	609520.5	4170466	1.10E-02	1.82E-03	1.34E-03
2994	609510.9	4170466	1.14E-02	1.89E-03	1.40E-03
2995	609501.3	4170466	1.19E-02	1.97E-03	1.45E-03
2996	609491.6	4170466	1.23E-02	2.05E-03	1.51E-03
2997	609482	4170466	1.28E-02	2.13E-03	1.57E-03
2998	609472.4	4170466	1.33E-02	2.21E-03	1.63E-03
2999	609462.7	4170466	1.38E-02	2.29E-03	1.69E-03
3000	609453.1	4170466	1.43E-02	2.37E-03	1.75E-03
3001	609443.5	4170465	1.47E-02	2.45E-03	1.81E-03
3002	609433.9	4170465	1.51E-02	2.52E-03	1.86E-03
3003	609424.2	4170465	1.55E-02	2.58E-03	1.90E-03
3004	609588	4170457	7.93E-03	1.32E-03	9.72E-04
3005	609578.4	4170457	8.11E-03	1.35E-03	9.94E-04
3006	609568.8	4170456	8.31E-03	1.38E-03	1.02E-03
3007	609559.1	4170456	8.55E-03	1.42E-03	1.05E-03
3008	609549.5	4170456	8.82E-03	1.46E-03	1.08E-03
3009	609539.9	4170456	9.12E-03	1.52E-03	1.12E-03
3010	609530.2	4170456	9.46E-03	1.57E-03	1.16E-03

3011	609520.6	4170456	9.83E-03	1.63E-03	1.21E-03
3012	609511	4170456	1.02E-02	1.70E-03	1.25E-03
3013	609501.3	4170456	1.06E-02	1.77E-03	1.31E-03
3014	609491.7	4170456	1.11E-02	1.84E-03	1.36E-03
3015	609482.1	4170456	1.15E-02	1.92E-03	1.41E-03
3016	609472.5	4170456	1.20E-02	1.99E-03	1.47E-03
3017	609462.8	4170456	1.24E-02	2.07E-03	1.52E-03
3018	609453.2	4170456	1.29E-02	2.14E-03	1.58E-03
3019	609443.6	4170455	1.33E-02	2.21E-03	1.63E-03
3020	609433.9	4170455	1.37E-02	2.27E-03	1.68E-03
3021	609424.3	4170455	1.40E-02	2.33E-03	1.72E-03
3022	609588.1	4170447	7.15E-03	1.19E-03	8.77E-04
3023	609578.5	4170447	7.32E-03	1.22E-03	8.97E-04
3024	609568.8	4170446	7.50E-03	1.25E-03	9.20E-04
3025	609559.2	4170446	7.72E-03	1.28E-03	9.47E-04
3026	609549.6	4170446	7.97E-03	1.32E-03	9.77E-04
3027	609539.9	4170446	8.24E-03	1.37E-03	1.01E-03
3028	609530.3	4170446	8.55E-03	1.42E-03	1.05E-03
3029	609520.7	4170446	8.88E-03	1.47E-03	1.09E-03
3030	609511.1	4170446	9.24E-03	1.53E-03	1.13E-03
3031	609501.4	4170446	9.62E-03	1.60E-03	1.18E-03
3032	609491.8	4170446	1.00E-02	1.66E-03	1.23E-03
3033	609482.2	4170446	1.04E-02	1.73E-03	1.28E-03
3034	609472.5	4170446	1.08E-02	1.80E-03	1.33E-03
3035	609462.9	4170446	1.12E-02	1.87E-03	1.38E-03
3036	609453.3	4170446	1.17E-02	1.94E-03	1.43E-03
3037	609443.6	4170445	1.20E-02	2.00E-03	1.48E-03
3038	609434	4170445	1.24E-02	2.06E-03	1.52E-03
3039	609424.4	4170445	1.28E-02	2.12E-03	1.56E-03
3040	609588.2	4170437	6.49E-03	1.08E-03	7.96E-04
3041	609578.5	4170437	6.64E-03	1.10E-03	8.15E-04
3042	609568.9	4170436	6.82E-03	1.13E-03	8.36E-04
3043	609559.3	4170436	7.02E-03	1.17E-03	8.60E-04
3044	609549.7	4170436	7.24E-03	1.20E-03	8.88E-04
3045	609540	4170436	7.49E-03	1.24E-03	9.18E-04
3046	609530.4	4170436	7.77E-03	1.29E-03	9.52E-04
3047	609520.8	4170436	8.07E-03	1.34E-03	9.89E-04
3048	609511.1	4170436	8.39E-03	1.39E-03	1.03E-03
3049	609501.5	4170436	8.73E-03	1.45E-03	1.07E-03
3050	609491.9	4170436	9.09E-03	1.51E-03	1.11E-03
3051	609482.2	4170436	9.46E-03	1.57E-03	1.16E-03
3052	609472.6	4170436	9.84E-03	1.63E-03	1.21E-03
3053	609463	4170436	1.02E-02	1.70E-03	1.25E-03
3054	609453.3	4170436	1.06E-02	1.76E-03	1.30E-03
3055	609443.7	4170435	1.10E-02	1.82E-03	1.34E-03
3056	609434.1	4170435	1.13E-02	1.88E-03	1.39E-03
3057	609424.5	4170435	1.16E-02	1.93E-03	1.43E-03
3058	609588.4	4170407	5.01E-03	8.33E-04	6.14E-04
3059	609578.8	4170407	5.14E-03	8.53E-04	6.30E-04
3060	609569.1	4170406	5.28E-03	8.76E-04	6.47E-04
3061	609559.5	4170406	5.43E-03	9.02E-04	6.66E-04
3062	609549.9	4170406	5.61E-03	9.31E-04	6.87E-04

3063	609540.3	4170406	5.80E-03	9.63E-04	7.11E-04
3064	609530.6	4170406	6.00E-03	9.97E-04	7.36E-04
3065	609521	4170406	6.23E-03	1.03E-03	7.63E-04
3066	609511.4	4170406	6.47E-03	1.07E-03	7.93E-04
3067	609501.7	4170406	6.72E-03	1.12E-03	8.24E-04
3068	609492.1	4170406	6.99E-03	1.16E-03	8.57E-04
3069	609482.5	4170406	7.27E-03	1.21E-03	8.91E-04
3070	609472.8	4170406	7.55E-03	1.25E-03	9.26E-04
3071	609463.2	4170406	7.84E-03	1.30E-03	9.61E-04
3072	609453.6	4170406	8.13E-03	1.35E-03	9.97E-04
3073	609443.9	4170405	8.42E-03	1.40E-03	1.03E-03
3074	609434.3	4170405	8.70E-03	1.44E-03	1.07E-03
3075	609424.7	4170405	8.97E-03	1.49E-03	1.10E-03
3076	609588.5	4170397	4.64E-03	7.71E-04	5.69E-04
3077	609578.9	4170397	4.76E-03	7.90E-04	5.83E-04
3078	609569.2	4170396	4.89E-03	8.12E-04	5.99E-04
3079	609559.6	4170396	5.03E-03	8.36E-04	6.17E-04
3080	609550	4170396	5.19E-03	8.62E-04	6.36E-04
3081	609540.3	4170396	5.37E-03	8.91E-04	6.58E-04
3082	609530.7	4170396	5.55E-03	9.23E-04	6.81E-04
3083	609521.1	4170396	5.76E-03	9.57E-04	7.06E-04
3084	609511.4	4170396	5.98E-03	9.93E-04	7.33E-04
3085	609501.8	4170396	6.21E-03	1.03E-03	7.61E-04
3086	609492.2	4170396	6.45E-03	1.07E-03	7.91E-04
3087	609482.5	4170396	6.70E-03	1.11E-03	8.22E-04
3088	609472.9	4170396	6.97E-03	1.16E-03	8.54E-04
3089	609463.3	4170396	7.23E-03	1.20E-03	8.86E-04
3090	609453.7	4170396	7.50E-03	1.25E-03	9.19E-04
3091	609444	4170395	7.76E-03	1.29E-03	9.52E-04
3092	609434.4	4170395	8.02E-03	1.33E-03	9.83E-04
3093	609424.8	4170395	8.27E-03	1.37E-03	1.01E-03
3094	609588.6	4170387	4.31E-03	7.16E-04	5.29E-04
3095	609578.9	4170387	4.42E-03	7.35E-04	5.42E-04
3096	609569.3	4170386	4.54E-03	7.55E-04	5.57E-04
3097	609559.7	4170386	4.68E-03	7.77E-04	5.74E-04
3098	609550	4170386	4.83E-03	8.02E-04	5.92E-04
3099	609540.4	4170386	4.99E-03	8.28E-04	6.11E-04
3100	609530.8	4170386	5.16E-03	8.57E-04	6.33E-04
3101	609521.1	4170386	5.35E-03	8.88E-04	6.55E-04
3102	609511.5	4170386	5.55E-03	9.21E-04	6.80E-04
3103	609501.9	4170386	5.76E-03	9.56E-04	7.06E-04
3104	609492.3	4170386	5.98E-03	9.93E-04	7.33E-04
3105	609482.6	4170386	6.21E-03	1.03E-03	7.61E-04
3106	609473	4170386	6.45E-03	1.07E-03	7.90E-04
3107	609463.4	4170386	6.69E-03	1.11E-03	8.20E-04
3108	609453.7	4170386	6.93E-03	1.15E-03	8.50E-04
3109	609444.1	4170385	7.18E-03	1.19E-03	8.80E-04
3110	609434.5	4170385	7.41E-03	1.23E-03	9.09E-04
3111	609424.8	4170385	7.65E-03	1.27E-03	9.38E-04
3112	609588.6	4170377	4.02E-03	6.68E-04	4.93E-04
3113	609579	4170377	4.13E-03	6.85E-04	5.06E-04
3114	609569.4	4170376	4.24E-03	7.04E-04	5.20E-04

3115	609559.7	4170376	4.36E-03	7.25E-04	5.35E-04
3116	609550.1	4170376	4.50E-03	7.48E-04	5.52E-04
3117	609540.5	4170376	4.65E-03	7.72E-04	5.70E-04
3118	609530.9	4170376	4.81E-03	7.99E-04	5.89E-04
3119	609521.2	4170376	4.98E-03	8.27E-04	6.10E-04
3120	609511.6	4170376	5.16E-03	8.57E-04	6.33E-04
3121	609502	4170376	5.35E-03	8.89E-04	6.56E-04
3122	609492.3	4170376	5.56E-03	9.23E-04	6.81E-04
3123	609482.7	4170376	5.77E-03	9.58E-04	7.07E-04
3124	609473.1	4170376	5.98E-03	9.94E-04	7.33E-04
3125	609463.4	4170376	6.20E-03	1.03E-03	7.61E-04
3126	609453.8	4170376	6.43E-03	1.07E-03	7.88E-04
3127	609444.2	4170375	6.65E-03	1.11E-03	8.16E-04
3128	609434.6	4170375	6.87E-03	1.14E-03	8.43E-04
3129	609424.9	4170375	7.09E-03	1.18E-03	8.70E-04
3130	609588.7	4170367	3.77E-03	6.26E-04	4.62E-04
3131	609579.1	4170367	3.86E-03	6.42E-04	4.74E-04
3132	609569.5	4170366	3.97E-03	6.59E-04	4.87E-04
3133	609559.8	4170366	4.08E-03	6.79E-04	5.01E-04
3134	609550.2	4170366	4.21E-03	6.99E-04	5.16E-04
3135	609540.6	4170366	4.35E-03	7.22E-04	5.33E-04
3136	609530.9	4170366	4.49E-03	7.46E-04	5.51E-04
3137	609521.3	4170366	4.65E-03	7.73E-04	5.70E-04
3138	609511.7	4170366	4.82E-03	8.00E-04	5.91E-04
3139	609502	4170366	4.99E-03	8.29E-04	6.12E-04
3140	609492.4	4170366	5.18E-03	8.60E-04	6.35E-04
3141	609482.8	4170366	5.37E-03	8.92E-04	6.58E-04
3142	609473.2	4170366	5.57E-03	9.25E-04	6.83E-04
3143	609463.5	4170366	5.77E-03	9.59E-04	7.08E-04
3144	609453.9	4170366	5.98E-03	9.93E-04	7.33E-04
3145	609444.3	4170365	6.18E-03	1.03E-03	7.58E-04
3146	609434.6	4170365	6.39E-03	1.06E-03	7.83E-04
3147	609425	4170365	6.59E-03	1.10E-03	8.08E-04
3148	609588.8	4170357	3.53E-03	5.87E-04	4.33E-04
3149	609579.2	4170357	3.63E-03	6.02E-04	4.45E-04
3150	609569.5	4170356	3.73E-03	6.19E-04	4.57E-04
3151	609559.9	4170356	3.83E-03	6.37E-04	4.70E-04
3152	609550.3	4170356	3.95E-03	6.56E-04	4.84E-04
3153	609540.6	4170356	4.08E-03	6.77E-04	5.00E-04
3154	609531	4170356	4.21E-03	7.00E-04	5.16E-04
3155	609521.4	4170356	4.36E-03	7.24E-04	5.34E-04
3156	609511.7	4170356	4.51E-03	7.49E-04	5.53E-04
3157	609502.1	4170356	4.67E-03	7.76E-04	5.73E-04
3158	609492.5	4170356	4.84E-03	8.04E-04	5.93E-04
3159	609482.9	4170356	5.02E-03	8.33E-04	6.15E-04
3160	609473.2	4170356	5.20E-03	8.64E-04	6.37E-04
3161	609463.6	4170356	5.38E-03	8.94E-04	6.60E-04
3162	609454	4170356	5.57E-03	9.26E-04	6.83E-04
3163	609444.3	4170355	5.76E-03	9.58E-04	7.07E-04
3164	609434.7	4170355	5.95E-03	9.89E-04	7.30E-04
3165	609425.1	4170355	6.14E-03	1.02E-03	7.53E-04
3166	609588.9	4170347	3.33E-03	5.53E-04	4.08E-04

3167	609579.2	4170347	3.41E-03	5.67E-04	4.18E-04
3168	609569.6	4170346	3.51E-03	5.82E-04	4.30E-04
3169	609560	4170346	3.61E-03	5.99E-04	4.42E-04
3170	609550.3	4170346	3.72E-03	6.17E-04	4.56E-04
3171	609540.7	4170346	3.83E-03	6.37E-04	4.70E-04
3172	609531.1	4170346	3.96E-03	6.58E-04	4.85E-04
3173	609521.5	4170346	4.09E-03	6.80E-04	5.02E-04
3174	609511.8	4170346	4.23E-03	7.03E-04	5.19E-04
3175	609502.2	4170346	4.38E-03	7.28E-04	5.37E-04
3176	609492.6	4170346	4.54E-03	7.54E-04	5.56E-04
3177	609482.9	4170346	4.70E-03	7.80E-04	5.76E-04
3178	609473.3	4170346	4.86E-03	8.08E-04	5.96E-04
3179	609463.7	4170346	5.04E-03	8.37E-04	6.17E-04
3180	609454	4170346	5.21E-03	8.65E-04	6.39E-04
3181	609444.4	4170345	5.39E-03	8.95E-04	6.60E-04
3182	609434.8	4170345	5.56E-03	9.24E-04	6.82E-04
3183	609425.2	4170345	5.73E-03	9.53E-04	7.03E-04
3184	609588.9	4170337	3.14E-03	5.22E-04	3.85E-04
3185	609579.3	4170337	3.22E-03	5.35E-04	3.95E-04
3186	609569.7	4170336	3.31E-03	5.49E-04	4.06E-04
3187	609560.1	4170336	3.40E-03	5.65E-04	4.17E-04
3188	609550.4	4170336	3.50E-03	5.82E-04	4.30E-04
3189	609540.8	4170336	3.61E-03	6.00E-04	4.43E-04
3190	609531.2	4170336	3.73E-03	6.19E-04	4.57E-04
3191	609521.5	4170336	3.85E-03	6.40E-04	4.72E-04
3192	609511.9	4170336	3.98E-03	6.61E-04	4.88E-04
3193	609502.3	4170336	4.12E-03	6.84E-04	5.05E-04
3194	609492.6	4170336	4.26E-03	7.08E-04	5.23E-04
3195	609483	4170336	4.41E-03	7.33E-04	5.41E-04
3196	609473.4	4170336	4.56E-03	7.58E-04	5.60E-04
3197	609463.8	4170336	4.72E-03	7.84E-04	5.79E-04
3198	609454.1	4170336	4.88E-03	8.11E-04	5.99E-04
3199	609444.5	4170335	5.04E-03	8.38E-04	6.18E-04
3200	609434.9	4170335	5.21E-03	8.65E-04	6.38E-04
3201	609425.2	4170335	5.37E-03	8.92E-04	6.58E-04
3202	609589	4170327	2.97E-03	4.93E-04	3.64E-04
3203	609579.4	4170327	3.05E-03	5.06E-04	3.73E-04
3204	609569.8	4170326	3.13E-03	5.20E-04	3.84E-04
3205	609560.1	4170326	3.22E-03	5.34E-04	3.94E-04
3206	609550.5	4170326	3.31E-03	5.50E-04	4.06E-04
3207	609540.9	4170326	3.41E-03	5.67E-04	4.18E-04
3208	609531.2	4170326	3.52E-03	5.85E-04	4.32E-04
3209	609521.6	4170326	3.63E-03	6.04E-04	4.46E-04
3210	609512	4170326	3.76E-03	6.24E-04	4.60E-04
3211	609502.4	4170326	3.88E-03	6.45E-04	4.76E-04
3212	609492.7	4170326	4.01E-03	6.67E-04	4.92E-04
3213	609483.1	4170326	4.15E-03	6.89E-04	5.09E-04
3214	609473.5	4170326	4.29E-03	7.13E-04	5.26E-04
3215	609463.8	4170326	4.44E-03	7.37E-04	5.44E-04
3216	609454.2	4170326	4.58E-03	7.61E-04	5.62E-04
3217	609444.6	4170325	4.73E-03	7.86E-04	5.80E-04
3218	609434.9	4170325	4.88E-03	8.11E-04	5.99E-04

3219	609425.3	4170325	5.03E-03	8.36E-04	6.17E-04
3220	609589.1	4170317	2.81E-03	4.68E-04	3.45E-04
3221	609579.5	4170317	2.89E-03	4.79E-04	3.54E-04
3222	609569.8	4170316	2.96E-03	4.92E-04	3.63E-04
3223	609560.2	4170316	3.05E-03	5.06E-04	3.74E-04
3224	609550.6	4170316	3.14E-03	5.21E-04	3.84E-04
3225	609541	4170316	3.23E-03	5.37E-04	3.96E-04
3226	609531.3	4170316	3.33E-03	5.53E-04	4.08E-04
3227	609521.7	4170316	3.44E-03	5.71E-04	4.21E-04
3228	609512.1	4170316	3.55E-03	5.89E-04	4.35E-04
3229	609502.4	4170316	3.67E-03	6.09E-04	4.49E-04
3230	609492.8	4170316	3.79E-03	6.29E-04	4.64E-04
3231	609483.2	4170316	3.91E-03	6.50E-04	4.80E-04
3232	609473.5	4170316	4.04E-03	6.72E-04	4.96E-04
3233	609463.9	4170316	4.18E-03	6.94E-04	5.12E-04
3234	609454.3	4170316	4.31E-03	7.17E-04	5.29E-04
3235	609444.6	4170315	4.45E-03	7.39E-04	5.46E-04
3236	609435	4170315	4.59E-03	7.63E-04	5.63E-04
3237	609425.4	4170315	4.73E-03	7.86E-04	5.80E-04
3238	609589.2	4170307	2.67E-03	4.44E-04	3.28E-04
3239	609579.6	4170307	2.74E-03	4.55E-04	3.36E-04
3240	609569.9	4170306	2.81E-03	4.67E-04	3.45E-04
3241	609560.3	4170306	2.89E-03	4.80E-04	3.55E-04
3242	609550.7	4170306	2.98E-03	4.94E-04	3.65E-04
3243	609541	4170306	3.06E-03	5.09E-04	3.76E-04
3244	609531.4	4170306	3.16E-03	5.24E-04	3.87E-04
3245	609521.8	4170306	3.26E-03	5.41E-04	3.99E-04
3246	609512.1	4170306	3.36E-03	5.58E-04	4.12E-04
3247	609502.5	4170306	3.47E-03	5.76E-04	4.25E-04
3248	609492.9	4170306	3.58E-03	5.95E-04	4.39E-04
3249	609483.2	4170306	3.70E-03	6.14E-04	4.53E-04
3250	609473.6	4170306	3.82E-03	6.34E-04	4.68E-04
3251	609464	4170306	3.94E-03	6.55E-04	4.83E-04
3252	609454.4	4170306	4.07E-03	6.76E-04	4.99E-04
3253	609444.7	4170305	4.20E-03	6.97E-04	5.14E-04
3254	609435.1	4170305	4.32E-03	7.18E-04	5.30E-04
3255	609425.5	4170305	4.45E-03	7.40E-04	5.46E-04
3256	609410.9	4170590	8.05E-02	1.34E-02	9.87E-03
3257	609397	4170598	8.51E-02	1.41E-02	1.04E-02
3258	609389.4	4170604	8.78E-02	1.46E-02	1.08E-02
3259	609381.7	4170609	8.89E-02	1.48E-02	1.09E-02
3260	609374	4170615	8.87E-02	1.47E-02	1.09E-02
3261	609366.4	4170621	8.74E-02	1.45E-02	1.07E-02
3262	609358.7	4170627	8.54E-02	1.42E-02	1.05E-02
3263	609320.4	4170657	6.41E-02	1.06E-02	7.86E-03
3264	609312.8	4170663	5.80E-02	9.64E-03	7.12E-03
3265	609305.1	4170669	5.11E-02	8.49E-03	6.26E-03
3266	609297.4	4170675	4.35E-02	7.23E-03	5.33E-03
3267	609289.8	4170681	3.60E-02	5.97E-03	4.41E-03
3268	609406.8	4170581	6.74E-02	1.12E-02	8.26E-03
3269	609390.9	4170590	7.09E-02	1.18E-02	8.70E-03
3270	609383.2	4170596	7.31E-02	1.21E-02	8.96E-03

3271	609375.6	4170602	7.41E-02	1.23E-02	9.08E-03
3272	609367.9	4170608	7.41E-02	1.23E-02	9.08E-03
3273	609360.2	4170613	7.32E-02	1.22E-02	8.97E-03
3274	609352.6	4170619	7.15E-02	1.19E-02	8.77E-03
3275	609344.9	4170625	6.91E-02	1.15E-02	8.47E-03
3276	609306.6	4170655	4.94E-02	8.20E-03	6.06E-03
3277	609299	4170661	4.39E-02	7.29E-03	5.38E-03
3278	609291.3	4170667	3.81E-02	6.33E-03	4.67E-03
3279	609283.7	4170673	3.23E-02	5.37E-03	3.96E-03
3280	609400.2	4170573	5.78E-02	9.59E-03	7.08E-03
3281	609384.8	4170582	6.05E-02	1.01E-02	7.42E-03
3282	609377.1	4170588	6.22E-02	1.03E-02	7.63E-03
3283	609369.4	4170594	6.31E-02	1.05E-02	7.74E-03
3284	609361.8	4170600	6.32E-02	1.05E-02	7.75E-03
3285	609354.1	4170606	6.25E-02	1.04E-02	7.67E-03
3286	609346.5	4170611	6.11E-02	1.02E-02	7.50E-03
3287	609338.8	4170617	5.92E-02	9.83E-03	7.26E-03
3288	609331.1	4170623	5.67E-02	9.42E-03	6.96E-03
3289	609300.5	4170647	4.30E-02	7.14E-03	5.27E-03
3290	609292.8	4170653	3.85E-02	6.40E-03	4.72E-03
3291	609285.2	4170659	3.39E-02	5.63E-03	4.16E-03
3292	609277.5	4170665	2.93E-02	4.87E-03	3.59E-03
3293	609393.7	4170565	5.03E-02	8.36E-03	6.17E-03
3294	609378.6	4170574	5.25E-02	8.72E-03	6.44E-03
3295	609371	4170580	5.39E-02	8.95E-03	6.61E-03
3296	609363.3	4170586	5.47E-02	9.08E-03	6.70E-03
3297	609355.6	4170592	5.48E-02	9.10E-03	6.72E-03
3298	609348	4170598	5.43E-02	9.01E-03	6.65E-03
3299	609340.3	4170604	5.32E-02	8.83E-03	6.52E-03
3300	609332.7	4170610	5.16E-02	8.57E-03	6.32E-03
3301	609325	4170615	4.95E-02	8.22E-03	6.07E-03
3302	609286.7	4170645	3.43E-02	5.70E-03	4.21E-03
3303	609279	4170651	3.05E-02	5.07E-03	3.75E-03
3304	609271.4	4170657	2.68E-02	4.45E-03	3.29E-03
3305	609388.8	4170557	4.43E-02	7.36E-03	5.43E-03
3306	609414.9	4170548	4.15E-02	6.90E-03	5.09E-03
3307	609380.1	4170560	4.45E-02	7.40E-03	5.46E-03
3308	609372.5	4170566	4.61E-02	7.67E-03	5.66E-03
3309	609364.8	4170572	4.73E-02	7.86E-03	5.80E-03
3310	609357.2	4170578	4.80E-02	7.97E-03	5.88E-03
3311	609349.5	4170584	4.81E-02	7.99E-03	5.90E-03
3312	609341.9	4170590	4.77E-02	7.92E-03	5.85E-03
3313	609334.2	4170596	4.68E-02	7.78E-03	5.74E-03
3314	609326.5	4170602	4.55E-02	7.56E-03	5.58E-03
3315	609318.9	4170608	4.38E-02	7.27E-03	5.37E-03
3316	609311.2	4170614	4.18E-02	6.94E-03	5.12E-03
3317	609280.6	4170637	3.09E-02	5.14E-03	3.79E-03
3318	609272.9	4170643	2.78E-02	4.62E-03	3.41E-03
3319	609265.3	4170649	2.47E-02	4.10E-03	3.03E-03
3320	609398.9	4170544	3.83E-02	6.36E-03	4.69E-03
3321	609366.4	4170558	4.10E-02	6.81E-03	5.03E-03
3322	609358.7	4170564	4.20E-02	6.97E-03	5.15E-03

3323	609351	4170570	4.25E-02	7.06E-03	5.21E-03
3324	609343.4	4170576	4.27E-02	7.08E-03	5.23E-03
3325	609335.7	4170582	4.24E-02	7.04E-03	5.19E-03
3326	609328.1	4170588	4.17E-02	6.92E-03	5.11E-03
3327	609320.4	4170594	4.06E-02	6.74E-03	4.97E-03
3328	609312.7	4170600	3.91E-02	6.50E-03	4.80E-03
3329	609305.1	4170606	3.74E-02	6.21E-03	4.58E-03
3330	609297.4	4170612	3.54E-02	5.88E-03	4.34E-03
3331	609266.8	4170635	2.55E-02	4.24E-03	3.13E-03
3332	609259.1	4170641	2.28E-02	3.80E-03	2.80E-03
3333	609391.8	4170536	3.45E-02	5.73E-03	4.23E-03
3334	609407.8	4170531	3.28E-02	5.45E-03	4.03E-03
3335	609360.2	4170550	3.67E-02	6.10E-03	4.50E-03
3336	609352.6	4170556	3.75E-02	6.24E-03	4.60E-03
3337	609344.9	4170562	3.80E-02	6.32E-03	4.66E-03
3338	609337.2	4170568	3.82E-02	6.34E-03	4.68E-03
3339	609329.6	4170574	3.79E-02	6.30E-03	4.65E-03
3340	609321.9	4170580	3.73E-02	6.20E-03	4.58E-03
3341	609314.3	4170586	3.64E-02	6.05E-03	4.47E-03
3342	609306.6	4170592	3.52E-02	5.85E-03	4.32E-03
3343	609299	4170598	3.37E-02	5.60E-03	4.13E-03
3344	609291.3	4170604	3.20E-02	5.32E-03	3.92E-03
3345	609260.7	4170627	2.35E-02	3.91E-03	2.88E-03
3346	609253	4170633	2.13E-02	3.53E-03	2.61E-03
3347	609379.5	4170530	3.16E-02	5.25E-03	3.88E-03
3348	609388.4	4170527	3.10E-02	5.15E-03	3.80E-03
3349	609397.2	4170524	3.02E-02	5.02E-03	3.71E-03
3350	609406.1	4170521	2.93E-02	4.87E-03	3.59E-03
3351	609415	4170518	2.82E-02	4.69E-03	3.46E-03
3352	609354.1	4170542	3.31E-02	5.50E-03	4.06E-03
3353	609346.4	4170548	3.38E-02	5.62E-03	4.15E-03
3354	609338.8	4170554	3.43E-02	5.69E-03	4.20E-03
3355	609331.1	4170560	3.44E-02	5.71E-03	4.21E-03
3356	609323.5	4170566	3.42E-02	5.68E-03	4.19E-03
3357	609315.8	4170572	3.37E-02	5.60E-03	4.13E-03
3358	609308.1	4170578	3.29E-02	5.47E-03	4.04E-03
3359	609300.5	4170584	3.19E-02	5.29E-03	3.91E-03
3360	609292.8	4170590	3.06E-02	5.08E-03	3.75E-03
3361	609285.2	4170596	2.91E-02	4.84E-03	3.57E-03
3362	609277.5	4170602	2.75E-02	4.57E-03	3.37E-03
3363	609246.9	4170625	1.99E-02	3.30E-03	2.43E-03
3364	609364.2	4170526	2.91E-02	4.83E-03	3.57E-03
3365	609381.2	4170520	2.83E-02	4.70E-03	3.47E-03
3366	609389.8	4170517	2.77E-02	4.60E-03	3.39E-03
3367	609406.8	4170511	2.60E-02	4.32E-03	3.19E-03
3368	609340.3	4170540	3.07E-02	5.10E-03	3.76E-03
3369	609332.6	4170546	3.11E-02	5.16E-03	3.81E-03
3370	609325	4170552	3.12E-02	5.18E-03	3.82E-03
3371	609317.3	4170558	3.10E-02	5.15E-03	3.80E-03
3372	609309.7	4170564	3.06E-02	5.08E-03	3.75E-03
3373	609302	4170570	2.99E-02	4.97E-03	3.67E-03
3374	609294.4	4170576	2.90E-02	4.82E-03	3.56E-03

3375	609286.7	4170582	2.79E-02	4.64E-03	3.43E-03
3376	609279	4170588	2.67E-02	4.43E-03	3.27E-03
3377	609271.4	4170594	2.52E-02	4.19E-03	3.10E-03
3378	609263.7	4170600	2.37E-02	3.93E-03	2.90E-03
3379	609240.7	4170618	1.86E-02	3.09E-03	2.28E-03
3380	609357.8	4170518	2.66E-02	4.42E-03	3.26E-03
3381	609374.3	4170512	2.60E-02	4.31E-03	3.18E-03
3382	609390.9	4170507	2.48E-02	4.12E-03	3.04E-03
3383	609407.4	4170501	2.32E-02	3.86E-03	2.85E-03
3384	609326.5	4170538	2.83E-02	4.70E-03	3.47E-03
3385	609318.9	4170544	2.84E-02	4.72E-03	3.48E-03
3386	609311.2	4170550	2.83E-02	4.70E-03	3.47E-03
3387	609303.5	4170556	2.79E-02	4.64E-03	3.42E-03
3388	609295.9	4170562	2.73E-02	4.54E-03	3.35E-03
3389	609288.2	4170568	2.66E-02	4.41E-03	3.26E-03
3390	609280.6	4170574	2.56E-02	4.26E-03	3.14E-03
3391	609272.9	4170580	2.45E-02	4.08E-03	3.01E-03
3392	609265.2	4170586	2.33E-02	3.87E-03	2.86E-03
3393	609257.6	4170592	2.19E-02	3.64E-03	2.69E-03
3394	609352.3	4170510	2.44E-02	4.05E-03	2.99E-03
3395	609361.3	4170507	2.41E-02	4.01E-03	2.96E-03
3396	609370.3	4170504	2.37E-02	3.94E-03	2.91E-03
3397	609379.2	4170500	2.32E-02	3.86E-03	2.85E-03
3398	609388.2	4170497	2.26E-02	3.75E-03	2.77E-03
3399	609397.2	4170494	2.18E-02	3.62E-03	2.68E-03
3400	609406.1	4170491	2.10E-02	3.49E-03	2.57E-03
3401	609415.1	4170488	2.01E-02	3.34E-03	2.46E-03
3402	609343.4	4170513	2.45E-02	4.07E-03	3.00E-03
3403	609335.7	4170519	2.51E-02	4.18E-03	3.08E-03
3404	609320.4	4170530	2.59E-02	4.31E-03	3.18E-03
3405	609312.7	4170536	2.60E-02	4.32E-03	3.19E-03
3406	609305.1	4170542	2.59E-02	4.30E-03	3.18E-03
3407	609297.4	4170548	2.56E-02	4.25E-03	3.14E-03
3408	609289.7	4170554	2.51E-02	4.17E-03	3.08E-03
3409	609282.1	4170560	2.45E-02	4.06E-03	3.00E-03
3410	609274.4	4170566	2.36E-02	3.93E-03	2.90E-03
3411	609266.8	4170572	2.27E-02	3.77E-03	2.78E-03
3412	609259.1	4170578	2.16E-02	3.59E-03	2.65E-03
3413	609345.9	4170502	2.25E-02	3.74E-03	2.76E-03
3414	609354.6	4170499	2.23E-02	3.70E-03	2.73E-03
3415	609363.3	4170496	2.19E-02	3.65E-03	2.69E-03
3416	609372	4170493	2.15E-02	3.57E-03	2.64E-03
3417	609380.7	4170490	2.10E-02	3.48E-03	2.57E-03
3418	609389.4	4170487	2.03E-02	3.38E-03	2.49E-03
3419	609398.1	4170484	1.96E-02	3.26E-03	2.41E-03
3420	609406.8	4170481	1.89E-02	3.13E-03	2.31E-03
3421	609415.5	4170478	1.80E-02	3.00E-03	2.21E-03
3422	609337.2	4170505	2.26E-02	3.75E-03	2.77E-03
3423	609329.6	4170511	2.32E-02	3.85E-03	2.84E-03
3424	609306.6	4170528	2.39E-02	3.97E-03	2.93E-03
3425	609298.9	4170534	2.38E-02	3.96E-03	2.92E-03
3426	609291.3	4170540	2.36E-02	3.91E-03	2.89E-03

3427	609283.6	4170546	2.32E-02	3.85E-03	2.84E-03
3428	609276	4170552	2.26E-02	3.75E-03	2.77E-03
3429	609268.3	4170558	2.19E-02	3.63E-03	2.68E-03
3430	609237.7	4170582	1.79E-02	2.97E-03	2.20E-03
3431	609230	4170588	1.67E-02	2.78E-03	2.05E-03
3432	609339.6	4170494	2.08E-02	3.46E-03	2.55E-03
3433	609356.5	4170488	2.03E-02	3.38E-03	2.49E-03
3434	609373.4	4170483	1.95E-02	3.24E-03	2.39E-03
3435	609390.4	4170477	1.84E-02	3.05E-03	2.25E-03
3436	609407.3	4170471	1.70E-02	2.83E-03	2.09E-03
3437	609323.4	4170503	2.14E-02	3.55E-03	2.62E-03
3438	609315.8	4170509	2.18E-02	3.62E-03	2.67E-03
3439	609300.5	4170521	2.21E-02	3.67E-03	2.71E-03
3440	609292.8	4170527	2.20E-02	3.66E-03	2.70E-03
3441	609285.1	4170532	2.18E-02	3.62E-03	2.67E-03
3442	609277.5	4170538	2.14E-02	3.56E-03	2.63E-03
3443	609246.8	4170562	1.87E-02	3.11E-03	2.30E-03
3444	609239.2	4170568	1.78E-02	2.96E-03	2.18E-03
3445	609231.5	4170574	1.68E-02	2.79E-03	2.06E-03
3446	609223.9	4170580	1.58E-02	2.62E-03	1.93E-03
3447	609334	4170486	1.93E-02	3.21E-03	2.37E-03
3448	609343	4170483	1.91E-02	3.17E-03	2.34E-03
3449	609352.1	4170480	1.88E-02	3.13E-03	2.31E-03
3450	609361.1	4170477	1.85E-02	3.07E-03	2.26E-03
3451	609370.1	4170474	1.80E-02	2.99E-03	2.21E-03
3452	609379.2	4170471	1.75E-02	2.90E-03	2.14E-03
3453	609388.2	4170468	1.69E-02	2.80E-03	2.07E-03
3454	609397.2	4170464	1.62E-02	2.69E-03	1.99E-03
3455	609406.2	4170461	1.55E-02	2.58E-03	1.90E-03
3456	609415.3	4170458	1.48E-02	2.46E-03	1.81E-03
3457	609325	4170489	1.94E-02	3.22E-03	2.38E-03
3458	609317.3	4170495	1.98E-02	3.29E-03	2.43E-03
3459	609309.7	4170501	2.02E-02	3.35E-03	2.47E-03
3460	609286.7	4170519	2.04E-02	3.39E-03	2.50E-03
3461	609256	4170542	1.89E-02	3.14E-03	2.32E-03
3462	609248.4	4170548	1.83E-02	3.03E-03	2.24E-03
3463	609240.7	4170554	1.75E-02	2.91E-03	2.15E-03
3464	609233.1	4170560	1.67E-02	2.77E-03	2.05E-03
3465	609225.4	4170566	1.58E-02	2.63E-03	1.94E-03
3466	609217.7	4170572	1.49E-02	2.47E-03	1.82E-03
3467	609210.1	4170578	1.39E-02	2.32E-03	1.71E-03
3468	609327.6	4170478	1.80E-02	2.98E-03	2.20E-03
3469	609336.4	4170475	1.78E-02	2.96E-03	2.18E-03
3470	609345.2	4170472	1.76E-02	2.92E-03	2.15E-03
3471	609354	4170469	1.72E-02	2.86E-03	2.11E-03
3472	609362.8	4170466	1.69E-02	2.80E-03	2.07E-03
3473	609371.6	4170463	1.64E-02	2.72E-03	2.01E-03
3474	609380.4	4170460	1.59E-02	2.64E-03	1.95E-03
3475	609389.2	4170457	1.53E-02	2.54E-03	1.88E-03
3476	609398	4170454	1.47E-02	2.44E-03	1.80E-03
3477	609406.8	4170451	1.41E-02	2.34E-03	1.73E-03
3478	609415.6	4170448	1.34E-02	2.23E-03	1.65E-03

3479	609318.8	4170481	1.80E-02	2.99E-03	2.21E-03
3480	609311.2	4170487	1.84E-02	3.06E-03	2.26E-03
3481	609303.5	4170493	1.87E-02	3.11E-03	2.30E-03
3482	609295.9	4170499	1.89E-02	3.14E-03	2.32E-03
3483	609265.2	4170523	1.85E-02	3.08E-03	2.27E-03
3484	609257.6	4170529	1.82E-02	3.02E-03	2.23E-03
3485	609249.9	4170535	1.77E-02	2.94E-03	2.17E-03
3486	609242.2	4170540	1.71E-02	2.84E-03	2.10E-03
3487	609234.6	4170546	1.64E-02	2.73E-03	2.01E-03
3488	609226.9	4170552	1.57E-02	2.61E-03	1.92E-03
3489	609219.3	4170558	1.49E-02	2.48E-03	1.83E-03
3490	609211.6	4170564	1.41E-02	2.34E-03	1.73E-03
3491	609204	4170570	1.32E-02	2.20E-03	1.62E-03
3492	609321.3	4170470	1.68E-02	2.78E-03	2.06E-03
3493	609329.9	4170467	1.66E-02	2.76E-03	2.04E-03
3494	609338.5	4170464	1.64E-02	2.73E-03	2.01E-03
3495	609347.1	4170461	1.61E-02	2.68E-03	1.98E-03
3496	609355.7	4170459	1.58E-02	2.63E-03	1.94E-03
3497	609372.9	4170453	1.50E-02	2.49E-03	1.83E-03
3498	609381.5	4170450	1.45E-02	2.40E-03	1.77E-03
3499	609398.7	4170444	1.34E-02	2.22E-03	1.64E-03
3500	609415.9	4170438	1.22E-02	2.03E-03	1.50E-03
3501	609312.7	4170473	1.68E-02	2.79E-03	2.06E-03
3502	609305	4170479	1.72E-02	2.86E-03	2.11E-03
3503	609297.4	4170485	1.75E-02	2.90E-03	2.14E-03
3504	609289.7	4170491	1.76E-02	2.93E-03	2.16E-03
3505	609282.1	4170497	1.77E-02	2.94E-03	2.17E-03
3506	609266.8	4170509	1.76E-02	2.92E-03	2.15E-03
3507	609259.1	4170515	1.73E-02	2.88E-03	2.12E-03
3508	609251.4	4170521	1.70E-02	2.82E-03	2.08E-03
3509	609243.8	4170527	1.65E-02	2.75E-03	2.03E-03
3510	609236.1	4170533	1.60E-02	2.66E-03	1.97E-03
3511	609228.5	4170539	1.54E-02	2.56E-03	1.89E-03
3512	609220.8	4170544	1.48E-02	2.46E-03	1.81E-03
3513	609213.1	4170550	1.41E-02	2.34E-03	1.73E-03
3514	609205.5	4170556	1.33E-02	2.21E-03	1.63E-03
3515	609197.8	4170562	1.26E-02	2.09E-03	1.54E-03
3516	609315.7	4170462	1.57E-02	2.60E-03	1.92E-03
3517	609324.7	4170459	1.55E-02	2.58E-03	1.91E-03
3518	609333.8	4170456	1.53E-02	2.55E-03	1.88E-03
3519	609342.9	4170453	1.51E-02	2.50E-03	1.85E-03
3520	609351.9	4170450	1.47E-02	2.45E-03	1.81E-03
3521	609361	4170447	1.43E-02	2.38E-03	1.76E-03
3522	609370.1	4170444	1.39E-02	2.31E-03	1.70E-03
3523	609379.2	4170441	1.34E-02	2.23E-03	1.64E-03
3524	609388.2	4170438	1.29E-02	2.14E-03	1.58E-03
3525	609397.3	4170435	1.23E-02	2.05E-03	1.51E-03
3526	609406.4	4170431	1.18E-02	1.96E-03	1.44E-03
3527	609415.5	4170428	1.12E-02	1.86E-03	1.37E-03
3528	609306.6	4170465	1.57E-02	2.61E-03	1.93E-03
3529	609298.9	4170471	1.61E-02	2.67E-03	1.97E-03
3530	609291.3	4170477	1.63E-02	2.71E-03	2.00E-03

3531	609283.6	4170483	1.65E-02	2.74E-03	2.02E-03
3532	609275.9	4170489	1.66E-02	2.75E-03	2.03E-03
3533	609268.3	4170495	1.65E-02	2.75E-03	2.03E-03
3534	609260.6	4170501	1.64E-02	2.73E-03	2.01E-03
3535	609253	4170507	1.62E-02	2.69E-03	1.99E-03
3536	609245.3	4170513	1.59E-02	2.64E-03	1.95E-03
3537	609237.6	4170519	1.55E-02	2.58E-03	1.90E-03
3538	609230	4170525	1.51E-02	2.50E-03	1.85E-03
3539	609222.3	4170531	1.45E-02	2.42E-03	1.78E-03
3540	609214.7	4170537	1.40E-02	2.32E-03	1.71E-03
3541	609207	4170542	1.33E-02	2.21E-03	1.63E-03
3542	609199.3	4170548	1.27E-02	2.10E-03	1.55E-03
3543	609191.7	4170554	1.20E-02	1.99E-03	1.47E-03
3544	609309.3	4170454	1.47E-02	2.44E-03	1.80E-03
3545	609318.2	4170451	1.46E-02	2.42E-03	1.79E-03
3546	609327.1	4170448	1.44E-02	2.39E-03	1.77E-03
3547	609335.9	4170445	1.42E-02	2.35E-03	1.74E-03
3548	609344.8	4170442	1.39E-02	2.30E-03	1.70E-03
3549	609353.7	4170439	1.35E-02	2.25E-03	1.66E-03
3550	609362.5	4170436	1.31E-02	2.18E-03	1.61E-03
3551	609371.4	4170433	1.27E-02	2.11E-03	1.56E-03
3552	609380.3	4170430	1.23E-02	2.04E-03	1.50E-03
3553	609300.4	4170457	1.48E-02	2.45E-03	1.81E-03
3554	609292.8	4170463	1.51E-02	2.50E-03	1.85E-03
3555	609285.1	4170469	1.53E-02	2.54E-03	1.87E-03
3556	609277.5	4170475	1.54E-02	2.57E-03	1.89E-03
3557	609269.8	4170481	1.55E-02	2.58E-03	1.90E-03
3558	609262.2	4170487	1.55E-02	2.58E-03	1.90E-03
3559	609254.5	4170493	1.54E-02	2.56E-03	1.89E-03
3560	609246.8	4170499	1.52E-02	2.53E-03	1.87E-03
3561	609239.2	4170505	1.50E-02	2.48E-03	1.83E-03
3562	609231.5	4170511	1.46E-02	2.43E-03	1.79E-03
3563	609223.9	4170517	1.42E-02	2.36E-03	1.74E-03
3564	609216.2	4170523	1.37E-02	2.28E-03	1.68E-03
3565	609208.5	4170529	1.32E-02	2.19E-03	1.62E-03
3566	609200.9	4170535	1.26E-02	2.10E-03	1.55E-03
3567	609193.2	4170541	1.20E-02	2.00E-03	1.48E-03
3568	609185.6	4170546	1.14E-02	1.90E-03	1.40E-03
3569	609303	4170446	1.38E-02	2.30E-03	1.69E-03
3570	609311.7	4170444	1.37E-02	2.28E-03	1.68E-03
3571	609320.4	4170441	1.36E-02	2.25E-03	1.66E-03
3572	609329.1	4170438	1.34E-02	2.22E-03	1.64E-03
3573	609337.8	4170435	1.31E-02	2.17E-03	1.61E-03
3574	609346.5	4170432	1.28E-02	2.12E-03	1.57E-03
3575	609355.2	4170429	1.25E-02	2.07E-03	1.53E-03
3576	609416	4170408	9.43E-03	1.57E-03	1.16E-03
3577	609294.3	4170449	1.39E-02	2.30E-03	1.70E-03
3578	609286.7	4170455	1.41E-02	2.35E-03	1.73E-03
3579	609279	4170461	1.44E-02	2.39E-03	1.76E-03
3580	609271.3	4170467	1.45E-02	2.41E-03	1.78E-03
3581	609263.7	4170473	1.46E-02	2.42E-03	1.79E-03
3582	609256	4170479	1.46E-02	2.42E-03	1.79E-03

3583	609248.4	4170485	1.45E-02	2.40E-03	1.77E-03
3584	609240.7	4170491	1.43E-02	2.38E-03	1.75E-03
3585	609233	4170497	1.41E-02	2.34E-03	1.73E-03
3586	609225.4	4170503	1.38E-02	2.29E-03	1.69E-03
3587	609217.7	4170509	1.34E-02	2.23E-03	1.64E-03
3588	609210.1	4170515	1.30E-02	2.16E-03	1.59E-03
3589	609202.4	4170521	1.25E-02	2.08E-03	1.53E-03
3590	609194.7	4170527	1.20E-02	1.99E-03	1.47E-03
3591	609187.1	4170533	1.15E-02	1.90E-03	1.40E-03
3592	609297.3	4170438	1.30E-02	2.16E-03	1.60E-03
3593	609306.4	4170435	1.29E-02	2.14E-03	1.58E-03
3594	609315.5	4170432	1.28E-02	2.12E-03	1.56E-03
3595	609324.6	4170429	1.25E-02	2.08E-03	1.54E-03
3596	609388.3	4170408	1.00E-02	1.67E-03	1.23E-03
3597	609397.4	4170405	9.61E-03	1.60E-03	1.18E-03
3598	609406.6	4170401	9.16E-03	1.52E-03	1.12E-03
3599	609415.7	4170398	8.71E-03	1.45E-03	1.07E-03
3600	609288.2	4170442	1.31E-02	2.17E-03	1.60E-03
3601	609280.5	4170447	1.33E-02	2.21E-03	1.63E-03
3602	609272.9	4170453	1.35E-02	2.24E-03	1.66E-03
3603	609265.2	4170459	1.36E-02	2.27E-03	1.67E-03
3604	609257.5	4170465	1.37E-02	2.28E-03	1.68E-03
3605	609249.9	4170471	1.37E-02	2.28E-03	1.68E-03
3606	609242.2	4170477	1.36E-02	2.26E-03	1.67E-03
3607	609234.6	4170483	1.35E-02	2.24E-03	1.65E-03
3608	609226.9	4170489	1.33E-02	2.21E-03	1.63E-03
3609	609219.3	4170495	1.30E-02	2.16E-03	1.59E-03
3610	609211.6	4170501	1.27E-02	2.11E-03	1.55E-03
3611	609203.9	4170507	1.23E-02	2.04E-03	1.51E-03
3612	609196.3	4170513	1.19E-02	1.97E-03	1.46E-03
3613	609291	4170431	1.23E-02	2.04E-03	1.51E-03
3614	609299.9	4170428	1.22E-02	2.02E-03	1.49E-03
3615	609362.4	4170406	1.04E-02	1.73E-03	1.28E-03
3616	609371.3	4170403	1.00E-02	1.67E-03	1.23E-03
3617	609380.2	4170400	9.65E-03	1.60E-03	1.18E-03
3618	609389.1	4170397	9.26E-03	1.54E-03	1.13E-03
3619	609398.1	4170394	8.85E-03	1.47E-03	1.09E-03
3620	609407	4170391	8.45E-03	1.40E-03	1.04E-03
3621	609415.9	4170388	8.05E-03	1.34E-03	9.87E-04
3622	609282.1	4170434	1.23E-02	2.05E-03	1.51E-03
3623	609274.4	4170440	1.26E-02	2.09E-03	1.54E-03
3624	609266.7	4170446	1.27E-02	2.12E-03	1.56E-03
3625	609259.1	4170451	1.29E-02	2.14E-03	1.58E-03
3626	609251.4	4170457	1.29E-02	2.15E-03	1.58E-03
3627	609243.8	4170463	1.29E-02	2.15E-03	1.58E-03
3628	609236.1	4170469	1.29E-02	2.14E-03	1.58E-03
3629	609228.4	4170475	1.27E-02	2.12E-03	1.56E-03
3630	609220.8	4170481	1.25E-02	2.08E-03	1.54E-03
3631	609213.1	4170487	1.23E-02	2.04E-03	1.51E-03
3632	609167.2	4170523	9.94E-03	1.65E-03	1.22E-03
3633	609337.3	4170405	1.05E-02	1.75E-03	1.29E-03
3634	609346	4170402	1.03E-02	1.70E-03	1.26E-03

3635	609354.8	4170399	9.94E-03	1.65E-03	1.22E-03
3636	609363.6	4170396	9.61E-03	1.60E-03	1.18E-03
3637	609372.3	4170393	9.27E-03	1.54E-03	1.14E-03
3638	609381.1	4170390	8.91E-03	1.48E-03	1.09E-03
3639	609389.9	4170387	8.55E-03	1.42E-03	1.05E-03
3640	609398.6	4170384	8.18E-03	1.36E-03	1.00E-03
3641	609407.4	4170381	7.81E-03	1.30E-03	9.58E-04
3642	609416.2	4170378	7.45E-03	1.24E-03	9.13E-04
3643	609268.3	4170432	1.19E-02	1.97E-03	1.46E-03
3644	609260.6	4170438	1.20E-02	2.00E-03	1.48E-03
3645	609252.9	4170444	1.22E-02	2.02E-03	1.49E-03
3646	609245.3	4170449	1.22E-02	2.03E-03	1.50E-03
3647	609237.6	4170455	1.22E-02	2.03E-03	1.50E-03
3648	609230	4170461	1.22E-02	2.02E-03	1.49E-03
3649	609222.3	4170467	1.20E-02	2.00E-03	1.48E-03
3650	609214.6	4170473	1.19E-02	1.97E-03	1.46E-03
3651	609168.7	4170509	9.94E-03	1.65E-03	1.22E-03
3652	609161	4170515	9.52E-03	1.58E-03	1.17E-03
3653	609306.3	4170405	1.06E-02	1.77E-03	1.30E-03
3654	609315.4	4170402	1.04E-02	1.73E-03	1.28E-03
3655	609324.6	4170399	1.02E-02	1.69E-03	1.25E-03
3656	609333.7	4170396	9.94E-03	1.65E-03	1.22E-03
3657	609342.8	4170393	9.66E-03	1.60E-03	1.18E-03
3658	609352	4170390	9.35E-03	1.55E-03	1.15E-03
3659	609361.1	4170387	9.03E-03	1.50E-03	1.11E-03
3660	609370.2	4170384	8.69E-03	1.44E-03	1.07E-03
3661	609379.3	4170381	8.34E-03	1.39E-03	1.02E-03
3662	609388.5	4170378	7.99E-03	1.33E-03	9.80E-04
3663	609397.6	4170375	7.64E-03	1.27E-03	9.36E-04
3664	609406.7	4170372	7.28E-03	1.21E-03	8.93E-04
3665	609415.9	4170368	6.93E-03	1.15E-03	8.50E-04
3666	609254.5	4170430	1.14E-02	1.89E-03	1.40E-03
3667	609246.8	4170436	1.15E-02	1.91E-03	1.41E-03
3668	609239.2	4170442	1.16E-02	1.92E-03	1.42E-03
3669	609231.5	4170448	1.16E-02	1.92E-03	1.42E-03
3670	609223.8	4170453	1.15E-02	1.91E-03	1.41E-03
3671	609216.2	4170459	1.14E-02	1.90E-03	1.40E-03
3672	609208.5	4170465	1.13E-02	1.87E-03	1.38E-03
3673	609177.9	4170489	1.02E-02	1.70E-03	1.25E-03
3674	609170.2	4170495	9.87E-03	1.64E-03	1.21E-03
3675	609162.6	4170501	9.50E-03	1.58E-03	1.17E-03
3676	609154.9	4170507	9.12E-03	1.51E-03	1.12E-03
3677	609281.6	4170404	1.04E-02	1.72E-03	1.27E-03
3678	609290.6	4170401	1.02E-02	1.70E-03	1.26E-03
3679	609299.5	4170398	1.01E-02	1.68E-03	1.24E-03
3680	609308.5	4170395	9.92E-03	1.65E-03	1.22E-03
3681	609317.5	4170392	9.72E-03	1.61E-03	1.19E-03
3682	609326.4	4170389	9.49E-03	1.58E-03	1.16E-03
3683	609335.4	4170386	9.23E-03	1.53E-03	1.13E-03
3684	609344.4	4170383	8.96E-03	1.49E-03	1.10E-03
3685	609353.3	4170380	8.67E-03	1.44E-03	1.06E-03
3686	609362.3	4170377	8.36E-03	1.39E-03	1.03E-03

3687	609371.3	4170374	8.05E-03	1.34E-03	9.87E-04
3688	609380.2	4170370	7.73E-03	1.28E-03	9.48E-04
3689	609389.2	4170367	7.41E-03	1.23E-03	9.08E-04
3690	609398.2	4170364	7.09E-03	1.18E-03	8.69E-04
3691	609407.1	4170361	6.77E-03	1.12E-03	8.30E-04
3692	609416.1	4170358	6.45E-03	1.07E-03	7.91E-04
3693	609240.7	4170428	1.09E-02	1.81E-03	1.34E-03
3694	609233	4170434	1.10E-02	1.82E-03	1.34E-03
3695	609225.4	4170440	1.10E-02	1.82E-03	1.34E-03
3696	609217.7	4170446	1.09E-02	1.81E-03	1.34E-03
3697	609210	4170452	1.08E-02	1.80E-03	1.33E-03
3698	609179.4	4170475	1.00E-02	1.67E-03	1.23E-03
3699	609171.8	4170481	9.75E-03	1.62E-03	1.20E-03
3700	609164.1	4170487	9.43E-03	1.57E-03	1.16E-03
3701	609156.4	4170493	9.10E-03	1.51E-03	1.12E-03
3702	609148.8	4170499	8.74E-03	1.45E-03	1.07E-03
3703	609266.4	4170399	9.90E-03	1.65E-03	1.21E-03
3704	609275.2	4170396	9.84E-03	1.63E-03	1.21E-03
3705	609284	4170393	9.74E-03	1.62E-03	1.19E-03
3706	609292.8	4170390	9.61E-03	1.60E-03	1.18E-03
3707	609301.6	4170387	9.45E-03	1.57E-03	1.16E-03
3708	609310.5	4170384	9.27E-03	1.54E-03	1.14E-03
3709	609319.3	4170381	9.06E-03	1.51E-03	1.11E-03
3710	609328.1	4170378	8.83E-03	1.47E-03	1.08E-03
3711	609336.9	4170375	8.59E-03	1.43E-03	1.05E-03
3712	609345.8	4170372	8.32E-03	1.38E-03	1.02E-03
3713	609354.6	4170369	8.05E-03	1.34E-03	9.87E-04
3714	609363.4	4170366	7.76E-03	1.29E-03	9.52E-04
3715	609372.2	4170363	7.47E-03	1.24E-03	9.16E-04
3716	609381	4170360	7.18E-03	1.19E-03	8.80E-04
3717	609389.9	4170357	6.89E-03	1.14E-03	8.44E-04
3718	609398.7	4170354	6.59E-03	1.09E-03	8.08E-04
3719	609407.5	4170351	6.30E-03	1.05E-03	7.73E-04
3720	609416.3	4170348	6.01E-03	9.99E-04	7.37E-04
3721	609257.5	4170402	9.94E-03	1.65E-03	1.22E-03
3722	609226.9	4170426	1.04E-02	1.73E-03	1.27E-03
3723	609219.2	4170432	1.04E-02	1.73E-03	1.28E-03
3724	609211.6	4170438	1.04E-02	1.72E-03	1.27E-03
3725	609180.9	4170461	9.80E-03	1.63E-03	1.20E-03
3726	609173.3	4170467	9.57E-03	1.59E-03	1.17E-03
3727	609165.6	4170473	9.31E-03	1.55E-03	1.14E-03
3728	609158	4170479	9.02E-03	1.50E-03	1.11E-03
3729	609150.3	4170485	8.71E-03	1.45E-03	1.07E-03
3730	609142.6	4170491	8.39E-03	1.39E-03	1.03E-03
3731	609260.5	4170391	9.42E-03	1.56E-03	1.15E-03
3732	609269.7	4170388	9.35E-03	1.55E-03	1.15E-03
3733	609278.8	4170385	9.26E-03	1.54E-03	1.13E-03
3734	609288	4170382	9.13E-03	1.52E-03	1.12E-03
3735	609297.1	4170379	8.98E-03	1.49E-03	1.10E-03
3736	609306.3	4170376	8.79E-03	1.46E-03	1.08E-03
3737	609315.4	4170372	8.59E-03	1.43E-03	1.05E-03
3738	609324.6	4170369	8.36E-03	1.39E-03	1.03E-03

3739	609333.7	4170366	8.12E-03	1.35E-03	9.96E-04
3740	609342.9	4170363	7.87E-03	1.31E-03	9.64E-04
3741	609352	4170360	7.60E-03	1.26E-03	9.32E-04
3742	609361.2	4170357	7.32E-03	1.22E-03	8.98E-04
3743	609370.3	4170354	7.04E-03	1.17E-03	8.63E-04
3744	609379.5	4170351	6.76E-03	1.12E-03	8.28E-04
3745	609388.6	4170348	6.47E-03	1.07E-03	7.93E-04
3746	609397.8	4170345	6.19E-03	1.03E-03	7.59E-04
3747	609406.9	4170342	5.91E-03	9.81E-04	7.24E-04
3748	609416.1	4170338	5.63E-03	9.36E-04	6.91E-04
3749	609251.4	4170394	9.46E-03	1.57E-03	1.16E-03
3750	609243.7	4170400	9.62E-03	1.60E-03	1.18E-03
3751	609236.1	4170406	9.74E-03	1.62E-03	1.19E-03
3752	609182.5	4170448	9.53E-03	1.58E-03	1.17E-03
3753	609174.8	4170454	9.35E-03	1.55E-03	1.15E-03
3754	609167.1	4170460	9.14E-03	1.52E-03	1.12E-03
3755	609159.5	4170465	8.90E-03	1.48E-03	1.09E-03
3756	609151.8	4170471	8.64E-03	1.43E-03	1.06E-03
3757	609144.2	4170477	8.35E-03	1.39E-03	1.02E-03
3758	609136.5	4170483	8.06E-03	1.34E-03	9.88E-04
3759	609254.3	4170383	8.97E-03	1.49E-03	1.10E-03
3760	609263.3	4170380	8.91E-03	1.48E-03	1.09E-03
3761	609272.3	4170377	8.83E-03	1.47E-03	1.08E-03
3762	609281.3	4170374	8.71E-03	1.45E-03	1.07E-03
3763	609290.3	4170371	8.57E-03	1.42E-03	1.05E-03
3764	609299.3	4170368	8.41E-03	1.40E-03	1.03E-03
3765	609308.3	4170365	8.23E-03	1.37E-03	1.01E-03
3766	609317.3	4170362	8.02E-03	1.33E-03	9.84E-04
3767	609326.3	4170359	7.80E-03	1.30E-03	9.57E-04
3768	609335.3	4170356	7.57E-03	1.26E-03	9.28E-04
3769	609344.3	4170353	7.33E-03	1.22E-03	8.98E-04
3770	609353.3	4170350	7.08E-03	1.18E-03	8.68E-04
3771	609362.3	4170347	6.82E-03	1.13E-03	8.36E-04
3772	609371.3	4170344	6.56E-03	1.09E-03	8.04E-04
3773	609380.3	4170341	6.30E-03	1.05E-03	7.72E-04
3774	609389.3	4170338	6.04E-03	1.00E-03	7.40E-04
3775	609398.3	4170334	5.78E-03	9.60E-04	7.08E-04
3776	609407.3	4170331	5.52E-03	9.18E-04	6.77E-04
3777	609416.3	4170328	5.28E-03	8.76E-04	6.47E-04
3778	609245.3	4170386	9.01E-03	1.50E-03	1.10E-03
3779	609237.6	4170392	9.16E-03	1.52E-03	1.12E-03
3780	609230	4170398	9.27E-03	1.54E-03	1.14E-03
3781	609222.3	4170404	9.36E-03	1.55E-03	1.15E-03
3782	609184	4170434	9.23E-03	1.53E-03	1.13E-03
3783	609176.3	4170440	9.09E-03	1.51E-03	1.11E-03
3784	609168.7	4170446	8.93E-03	1.48E-03	1.09E-03
3785	609161	4170452	8.74E-03	1.45E-03	1.07E-03
3786	609153.4	4170458	8.52E-03	1.42E-03	1.04E-03
3787	609145.7	4170463	8.28E-03	1.38E-03	1.01E-03
3788	609138	4170469	8.02E-03	1.33E-03	9.83E-04
3789	609130.4	4170475	7.74E-03	1.29E-03	9.49E-04
3790	609248	4170375	8.56E-03	1.42E-03	1.05E-03

3791	609256.9	4170372	8.50E-03	1.41E-03	1.04E-03
3792	609265.7	4170369	8.42E-03	1.40E-03	1.03E-03
3793	609274.6	4170366	8.32E-03	1.38E-03	1.02E-03
3794	609283.5	4170363	8.20E-03	1.36E-03	1.00E-03
3795	609292.4	4170360	8.05E-03	1.34E-03	9.87E-04
3796	609301.2	4170357	7.88E-03	1.31E-03	9.66E-04
3797	609310.1	4170354	7.70E-03	1.28E-03	9.44E-04
3798	609319	4170351	7.50E-03	1.25E-03	9.20E-04
3799	609327.8	4170348	7.29E-03	1.21E-03	8.94E-04
3800	609336.7	4170345	7.07E-03	1.17E-03	8.66E-04
3801	609345.6	4170342	6.84E-03	1.14E-03	8.38E-04
3802	609354.4	4170339	6.60E-03	1.10E-03	8.09E-04
3803	609363.3	4170336	6.36E-03	1.06E-03	7.80E-04
3804	609372.2	4170333	6.12E-03	1.02E-03	7.51E-04
3805	609381	4170330	5.88E-03	9.77E-04	7.21E-04
3806	609389.9	4170327	5.64E-03	9.37E-04	6.92E-04
3807	609398.8	4170324	5.41E-03	8.98E-04	6.63E-04
3808	609407.6	4170321	5.18E-03	8.60E-04	6.35E-04
3809	609416.5	4170318	4.95E-03	8.22E-04	6.07E-04
3810	609239.1	4170378	8.59E-03	1.43E-03	1.05E-03
3811	609231.5	4170384	8.73E-03	1.45E-03	1.07E-03
3812	609223.8	4170390	8.84E-03	1.47E-03	1.08E-03
3813	609216.2	4170396	8.92E-03	1.48E-03	1.09E-03
3814	609208.5	4170402	8.96E-03	1.49E-03	1.10E-03
3815	609177.9	4170426	8.81E-03	1.46E-03	1.08E-03
3816	609170.2	4170432	8.69E-03	1.44E-03	1.06E-03
3817	609162.5	4170438	8.54E-03	1.42E-03	1.05E-03
3818	609154.9	4170444	8.36E-03	1.39E-03	1.03E-03
3819	609147.2	4170450	8.16E-03	1.36E-03	1.00E-03
3820	609139.6	4170456	7.94E-03	1.32E-03	9.74E-04
3821	609131.9	4170462	7.70E-03	1.28E-03	9.44E-04
3822	609124.2	4170467	7.45E-03	1.24E-03	9.13E-04
3823	609242.2	4170367	8.17E-03	1.36E-03	1.00E-03
3824	609251.3	4170364	8.12E-03	1.35E-03	9.95E-04
3825	609260.5	4170361	8.04E-03	1.34E-03	9.86E-04
3826	609269.7	4170358	7.94E-03	1.32E-03	9.73E-04
3827	609278.8	4170355	7.81E-03	1.30E-03	9.58E-04
3828	609288	4170352	7.67E-03	1.27E-03	9.40E-04
3829	609297.2	4170349	7.51E-03	1.25E-03	9.20E-04
3830	609306.3	4170346	7.32E-03	1.22E-03	8.98E-04
3831	609315.5	4170343	7.13E-03	1.18E-03	8.74E-04
3832	609324.7	4170339	6.92E-03	1.15E-03	8.49E-04
3833	609333.8	4170336	6.71E-03	1.11E-03	8.22E-04
3834	609343	4170333	6.48E-03	1.08E-03	7.95E-04
3835	609352.1	4170330	6.25E-03	1.04E-03	7.67E-04
3836	609361.3	4170327	6.02E-03	1.00E-03	7.39E-04
3837	609370.5	4170324	5.79E-03	9.62E-04	7.10E-04
3838	609379.6	4170321	5.56E-03	9.23E-04	6.82E-04
3839	609388.8	4170318	5.33E-03	8.85E-04	6.53E-04
3840	609398	4170315	5.10E-03	8.47E-04	6.25E-04
3841	609407.1	4170312	4.88E-03	8.10E-04	5.98E-04
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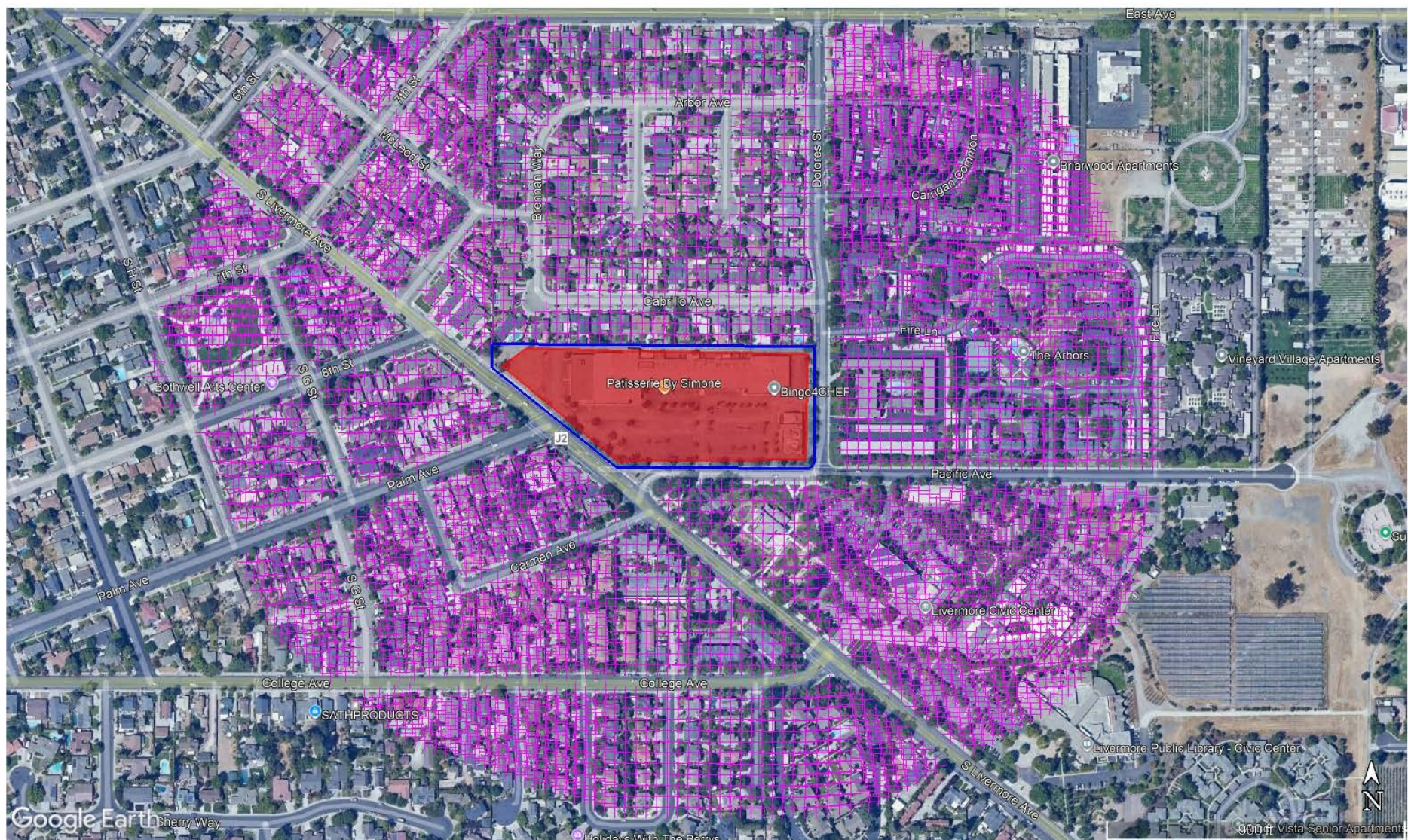
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3856	609297.8	4170726	2.55E-02	4.23E-03	3.12E-03
3857	609281.1	4170698	2.59E-02	4.31E-03	3.18E-03
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3861	609267.9	4170684	2.24E-02	3.73E-03	2.75E-03
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3863	609251.1	4170698	1.56E-02	2.59E-03	1.91E-03
3864	609256.9	4170686	1.84E-02	3.06E-03	2.26E-03
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3866	609248.1	4170711	1.37E-02	2.27E-03	1.67E-03
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3909	609177.8	4170724	6.65E-03	1.10E-03	8.15E-04
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3925	609157.8	4170724	5.78E-03	9.60E-04	7.08E-04
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3937	609137.8	4170724	5.08E-03	8.44E-04	6.23E-04
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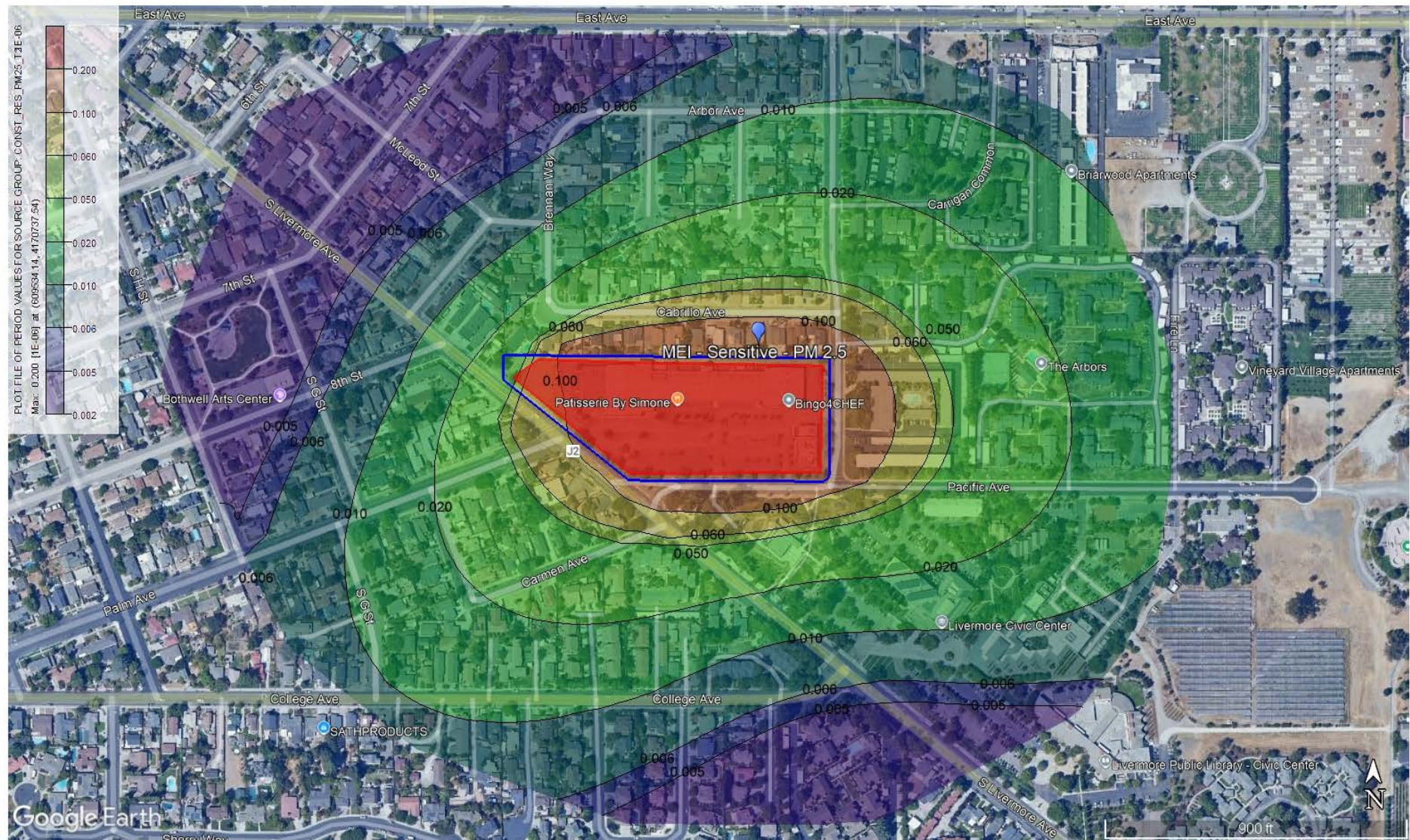
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4071	609001.5	4170693	2.72E-03	4.52E-04	3.34E-04
4072	609007.9	4170680	2.86E-03	4.75E-04	3.51E-04
4073	609014.4	4170667	3.02E-03	5.01E-04	3.70E-04
4074	609085.7	4170524	5.95E-03	9.88E-04	7.30E-04
4075	609092.2	4170511	6.25E-03	1.04E-03	7.66E-04
4076	609098.7	4170498	6.53E-03	1.08E-03	8.00E-04
4077	609105.2	4170485	6.78E-03	1.13E-03	8.31E-04
4078	609111.6	4170473	6.99E-03	1.16E-03	8.57E-04
4079	608998.1	4170706	2.63E-03	4.36E-04	3.22E-04

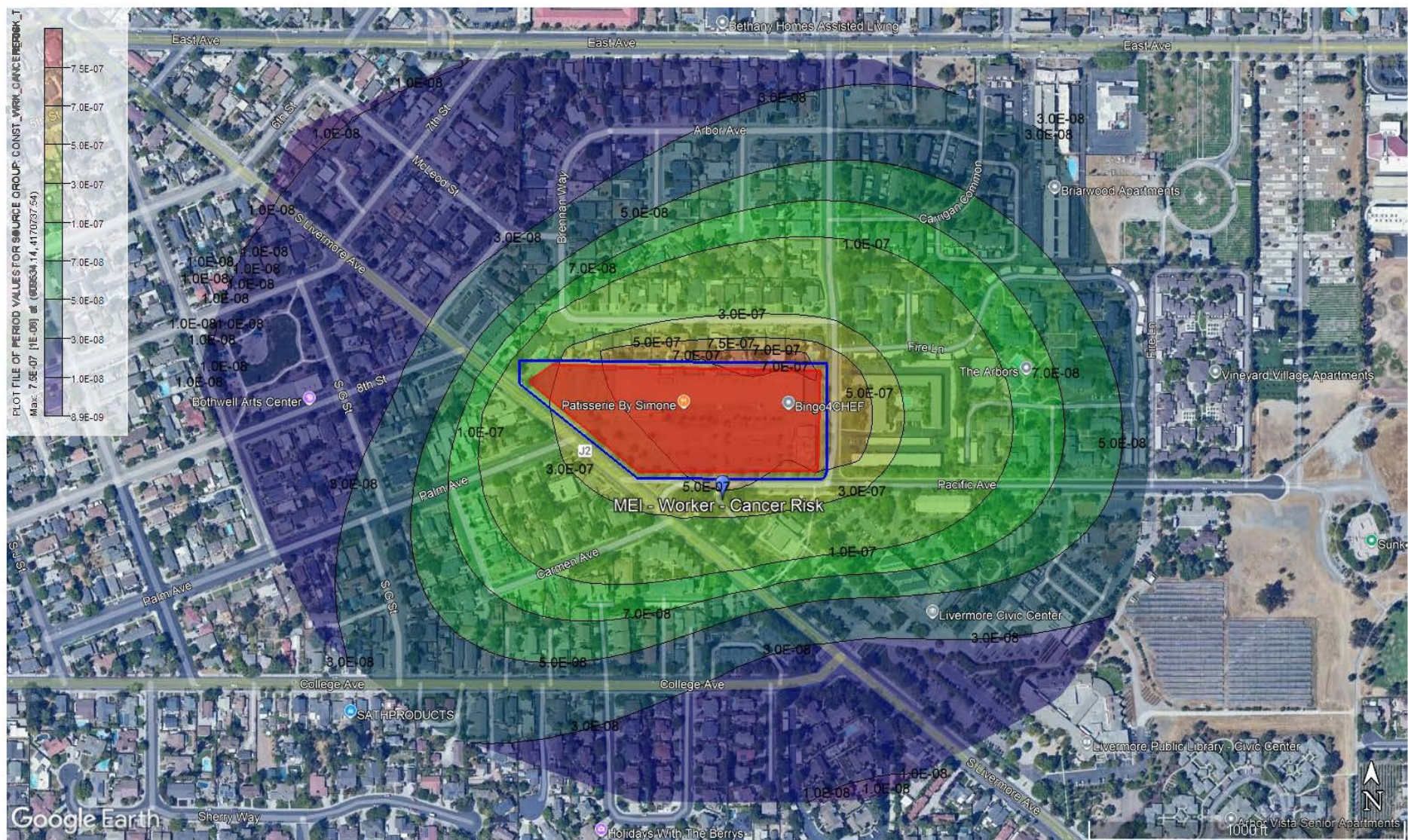


Sensitive Receptor Grid



Unmitigated PM2.5 Concentration Risk at Surrounding Sensitive Receptors

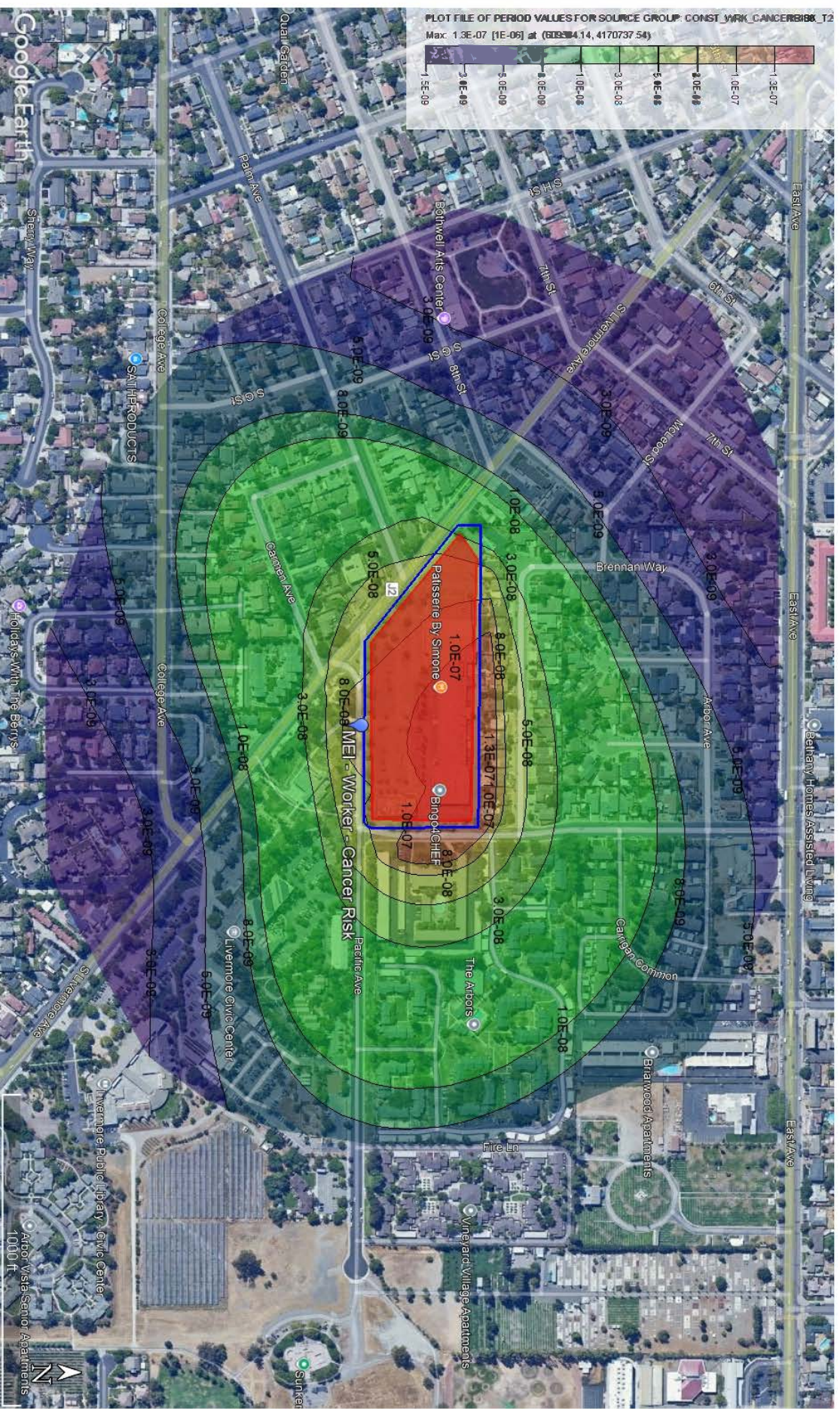




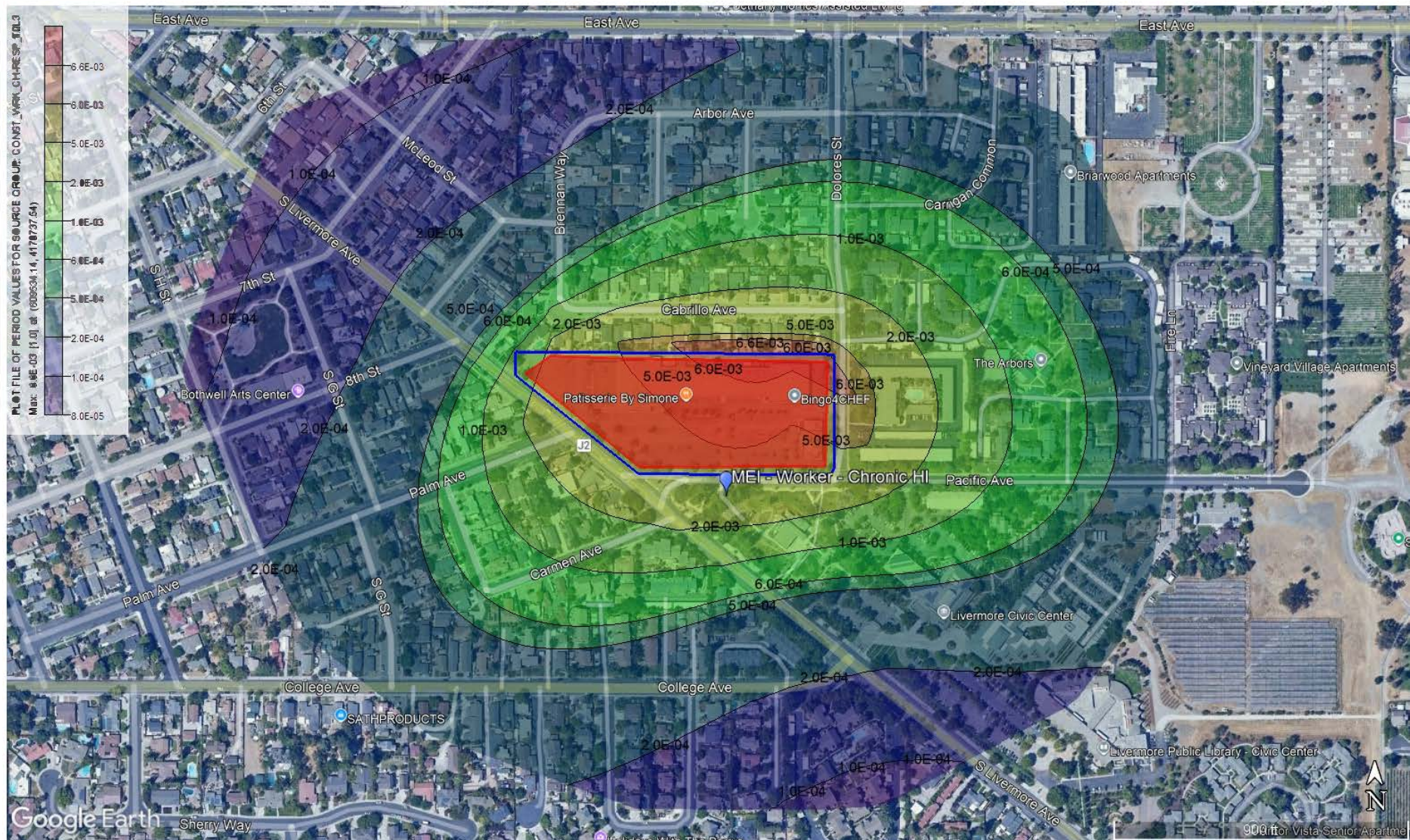
Unmitigated Cancer Risk at Surrounding Worker Receptors



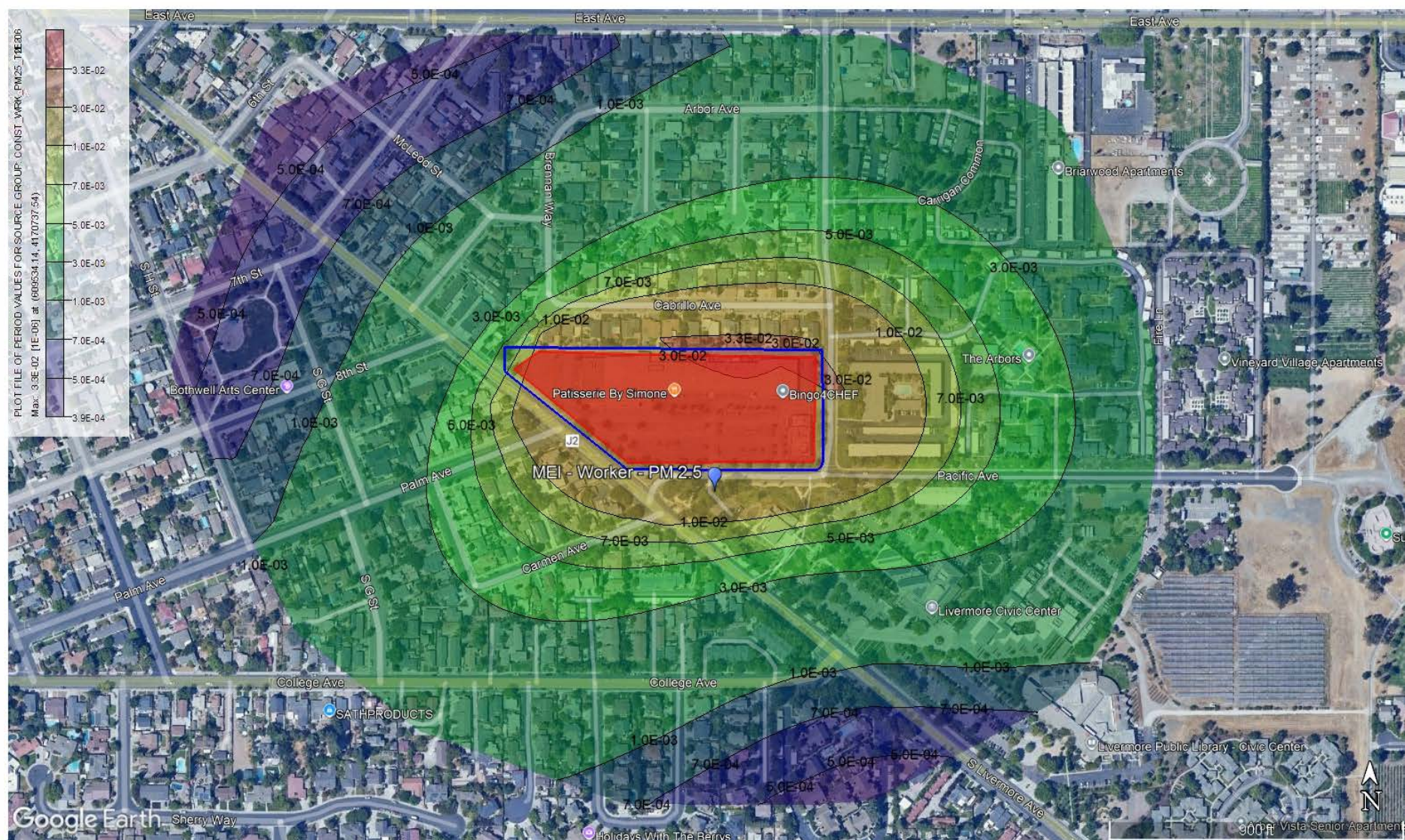




Mitigated Cancer Risk at Surrounding Worker Receptors



Mitigated Chronic Hazard Index Risk at Surrounding Worker Receptors



Mitigated Chronic Hazard Index Risk at Surrounding Worker Receptors

PM 10				
Tons/Yr	T2	T2L3	T4f	
Year 1	0.0962	0.01598	0.011795	0
Year 2	0.042815	0.007475	0.00427	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T4f	0
Year 1	192.4	31.96	23.59	0
Year 2	85.63	14.95	8.54	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T4f	0
Year 1	100%	17%	12%	0%
Year 2	100%	17%	10%	0%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.88
9		5		50		

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

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 4/16/2025
** File: D:\LSA\2025\CLV2201.01\Construction\Construction.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE D:\LSA\2025\CLV2201.01\Construction\Construction.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  URBANOPT 82908 2024
  POLLUTID OTHER
  RUNORNOT RUN
  ERRORFIL Construction.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION CONST      AREAPOLY      609596.049   4170624.601       159.730
** Source Parameters **
  SRCPARAM CONST      0.0000434827      3.048      6
  AREAVERT CONST      609596.049 4170624.601 609424.228 4170621.208
  AREAVERT CONST      609317.495 4170706.348 609340.322 4170723.006
  AREAVERT CONST      609428.546 4170721.463 609596.975 4170720.846
  URBANSRC ALL
□
** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
  EMISFACT CONST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT CONST      HRDOW 0.0 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT CONST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT CONST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT CONST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT CONST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT CONST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0

```



```

    EMISFACT CONST          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
    EMISFACT CONST          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT CONST          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT CONST          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT CONST          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    SRCGROUP CONST          CONST
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED Construction.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE D:\LSA\Met_Data\BAAQMD\LIVERMORE_2013-2017.SFC
    PROFFILE D:\LSA\Met_Data\BAAQMD\LIVERMORE_2013-2017.PFL
    SURFDATA 23285 2013
    UAIRDATA 23230 2013
    PROFBASE 137.2 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
    RECTABLE ALLAVE 1ST
    RECTABLE 1 1ST
** Auto-Generated Plotfiles
    PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
    PLOTFILE PERIOD CONST Construction.AD\PE00G001.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 84 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 24142 *** *** D:\LSA\2025\CLV2201.01\Construction\Construction.isc
*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDEFAULT 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 82908.0 ; 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: 1 Source(s); 1 Source Group(s); and 4079 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 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) = 137.20 ; 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 = 4.0 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 Y (METERS) (METERS)		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.43483E-04	609596.0	4170624.6	159.7	3.05	6	0.00	YES	HRDOW	NO

*** AERMOD - VERSION 24142 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
CONST	CONST ,

*** AERMOD - VERSION 24142 ***
*** AERMET - VERSION 18081 ***
*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
	82908.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST		; SOURCE TYPE = AREAPOLY :													
HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

[illegible]

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, □

*** AERMOD - VERSION 24142 *** *** D:\LSA\2025\CLV2201.01\Construction\Construction.isc
*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN SigA Data

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

Surface file: D:\LSA\Met_Data\BAAQMD\LIVERMORE_2013-2017.SFC
Profile file: D:\LSA\Met_Data\BAAQMD\LIVERMORE_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23285
Name: UNKNOWN
Year: 2013

Met Version: 18081

Upper air station no.: 23230
Name: UNKNOWN
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	-2.2	0.050	-9.000	-9.000	-999.	27.	5.2	0.28	0.88	1.00	0.90	64.	10.0	273.5	8.1			
13	01	01	1	02	-6.5	0.097	-9.000	-9.000	-999.	72.	12.4	0.20	0.88	1.00	1.90	53.	10.0	273.8	8.1			
13	01	01	1	03	-3.8	0.067	-9.000	-9.000	-999.	41.	7.1	0.28	0.88	1.00	1.20	105.	10.0	273.9	8.1			
13	01	01	1	04	-3.5	0.071	-9.000	-9.000	-999.	46.	9.1	0.20	0.88	1.00	1.40	52.	10.0	273.5	8.1			
13	01	01	1	05	-2.4	0.064	-9.000	-9.000	-999.	39.	9.6	0.32	0.88	1.00	1.10	116.	10.0	274.6	8.1			
13	01	01	1	06	-2.5	0.059	-9.000	-9.000	-999.	35.	7.5	0.17	0.88	1.00	1.20	274.	10.0	275.2	8.1			
13	01	01	1	07	-1.4	0.039	-9.000	-9.000	-999.	19.	3.9	0.17	0.88	1.00	0.80	220.	10.0	273.9	8.1			
13	01	01	1	08	-0.2	0.017	-9.000	-9.000	-999.	5.	1.7	0.28	0.88	0.75	0.30	107.	10.0	273.4	8.1			
13	01	01	1	09	6.6	0.178	0.207	0.005	48.	180.	-76.3	0.20	0.88	0.40	1.60	45.	10.0	275.2	8.1			
13	01	01	1	10	54.3	0.286	0.611	0.005	151.	367.	-38.8	0.28	0.88	0.27	2.20	80.	10.0	277.8	8.1			
13	01	01	1	11	101.6	0.381	1.088	0.006	456.	565.	-49.0	0.28	0.88	0.23	3.00	71.	10.0	279.2	8.1			
13	01	01	1	12	127.0	0.468	1.460	0.008	882.	768.	-72.5	0.20	0.88	0.22	4.20	45.	10.0	280.4	8.1			
13	01	01	1	13	129.6	0.562	1.492	0.005	922.	1010.	-123.0	0.20	0.88	0.21	5.20	36.	10.0	281.0	8.1			
13	01	01	1	14	112.4	0.521	1.440	0.006	955.	905.	-113.0	0.20	0.88	0.22	4.80	38.	10.0	281.5	8.1			
13	01	01	1	15	73.6	0.427	1.260	0.006	977.	679.	-95.3	0.20	0.88	0.25	3.90	52.	10.0	282.0	8.1			
13	01	01	1	16	23.1	0.390	0.858	0.006	983.	586.	-230.8	0.20	0.88	0.34	3.70	49.	10.0	282.0	8.1			
13	01	01	1	17	-24.5	0.252	-9.000	-9.000	-999.	316.	58.4	0.28	0.88	0.58	2.80	66.	10.0	281.4	8.1			
13	01	01	1	18	-8.6	0.100	-9.000	-9.000	-999.	101.	10.5	0.28	0.88	1.00	1.80	103.	10.0	280.1	8.1			
13	01	01	1	19	-2.2	0.050	-9.000	-9.000	-999.	29.	5.2	0.28	0.88	1.00	0.90	103.	10.0	278.1	8.1			
13	01	01	1	20	-3.3	0.061	-9.000	-9.000	-999.	36.	6.1	0.20	0.88	1.00	1.20	51.	10.0	276.9	8.1			
13	01	01	1	21	-2.5	0.054	-9.000	-9.000	-999.	30.	5.5	0.24	0.88	1.00	1.00	354.	10.0	275.5	8.1			
13	01	01	1	22	-3.2	0.061	-9.000	-9.000	-999.	36.	6.4	0.28	0.88	1.00	1.10	79.	10.0	274.9	8.1			
13	01	01	1	23	-2.8	0.056	-9.000	-9.000	-999.	32.	5.5	0.20	0.88	1.00	1.10	30.	10.0	274.1	8.1			
13	01	01	1	24	-1.1	0.036	-9.000	-9.000	-999.	16.	3.5	0.20	0.88	1.00	0.70	31.	10.0	273.1	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	273.6	999.0	-99.00	-99.00	
13	01	01	01	10.0	1	64.	0.90	-999.0	43.7	-99.00	0.52	

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
CONST		1ST HIGHEST VALUE IS	18.60370 AT (	609534.14,	4170737.54,	158.94,	158.94,	0.00)	DC	
		2ND HIGHEST VALUE IS	18.54724 AT (	609543.98,	4170737.58,	158.96,	158.96,	0.00)	DC	
		3RD HIGHEST VALUE IS	18.50646 AT (	609524.30,	4170737.49,	158.65,	158.65,	0.00)	DC	
		4TH HIGHEST VALUE IS	18.42085 AT (	609553.83,	4170737.63,	158.98,	158.98,	0.00)	DC	
		5TH HIGHEST VALUE IS	18.33473 AT (	609514.45,	4170737.45,	158.34,	158.34,	0.00)	DC	
		6TH HIGHEST VALUE IS	18.22260 AT (	609563.67,	4170737.67,	159.00,	159.00,	0.00)	DC	
		7TH HIGHEST VALUE IS	18.11306 AT (	609504.61,	4170737.40,	158.03,	158.03,	0.00)	DC	
		8TH HIGHEST VALUE IS	17.96042 AT (	609494.77,	4170737.36,	158.00,	158.00,	0.00)	DC	
		9TH HIGHEST VALUE IS	17.90522 AT (	609573.51,	4170737.72,	159.00,	159.00,	0.00)	DC	
		10TH HIGHEST VALUE IS	17.78794 AT (	609484.92,	4170737.31,	158.00,	158.00,	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
CONST		HIGH	1ST HIGH VALUE IS	1406.41723	ON 13010108: AT (	609297.79,	4170726.34,	157.00,	157.00,	0.00)	DC

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

*** AERMOD - VERSION 24142 *** *** D:\LSA\2025\CLV2201.01\Construction\Construction.isc
*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDEFAULT 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 5871 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 137 Calm Hours Identified

A Total of 5734 Missing Hours Identified (13.08 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

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

***** WARNING MESSAGES *****
MX W403 84 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 ***

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\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv

Cancer risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv

Chronic risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv

Acute risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv

HRA ran successfully

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\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv

Cancer risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv

Chronic risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv

Acute risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv

HRA ran successfully

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\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv

Cancer risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv

Chronic risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv

Acute risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv

HRA ran successfully

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\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv

Cancer risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv

Chronic risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv

Acute risk total by receptor saved to:

D:\LSA\2025\CLV2201.01\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv

HRA ran successfully

PROJECT INFORMATION

HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2025\CLV2201.01\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION

Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL

InhChronic8HRREL

9901	DieselExhPM	1.1		5		